

healthcareAIrandomforest

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R Markdown

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When you click the **Knit** button a document will be generated that includes both content as well as the output of any embedded R code chunks within the document. You can embed an R code chunk like this:

```
remove(list=ls())
library(foreign)
library(randomForest)
```

```
## randomForest 4.6-14
```

```
## Type rfNews() to see new features/changes/bug fixes.
```

```
library(glmnet)
```

```
## Loading required package: Matrix
```

```
## Loaded glmnet 4.1-2
```

```
library(pROC)
```

```
## Type 'citation("pROC")' for a citation.
```

```
##
```

```
## Attaching package: 'pROC'
```

```
## The following objects are masked from 'package:stats':
```

```
##
```

```
##      cov, smooth, var
```

```
library(MASS)
```

```
library(boot)
```

```
library(tidyverse)
```

```
## -- Attaching packages ----- tidyverse 1.3.1 --
```

```
## v ggplot2 3.3.5      v purrr   0.3.4
```

```
## v tibble  3.1.4      v dplyr   1.0.7
```

```
## v tidyr   1.1.3      v stringr 1.4.0
```

```
## v readr   2.0.1      v forcats 0.5.1
```

```
## -- Conflicts ----- tidyverse_conflicts() --
```

```
## x dplyr::combine() masks randomForest::combine()
```

```
## x tidyr::expand()  masks Matrix::expand()
```

```
## x dplyr::filter()  masks stats::filter()
```

```
## x dplyr::lag()     masks stats::lag()
```

```

## x ggplot2::margin() masks randomForest::margin()
## x tidyr::pack()      masks Matrix::pack()
## x dplyr::select()    masks MASS::select()
## x tidyr::unpack()    masks Matrix::unpack()

library(readxl)
#install RColorBrewer - install.packages("RColorBrewer")
library(RColorBrewer)
#install e1071 - install.packages("e1071")
library(e1071)
library(healthcareai)

## healthcareai version 2.5.0
## Please visit https://docs.healthcare.ai for full documentation and vignettes. Join the community at
##
## Attaching package: 'healthcareai'

## The following object is masked from 'package:e1071':
##
##      impute

library(DescTools)

##
## Attaching package: 'DescTools'

## The following object is masked from 'package:healthcareai':
##
##      Mode

library(gbm)

## Loaded gbm 2.1.8

library(caret)

## Loading required package: lattice

##
## Attaching package: 'lattice'

## The following object is masked from 'package:boot':
##
##      melanoma

##
## Attaching package: 'caret'

## The following objects are masked from 'package:DescTools':
##
##      MAE, RMSE

## The following object is masked from 'package:purrr':
##
##      lift

setting directory and impoting data

set.seed(539847)

setwd("/Users/parinithakompala/Desktop")

```

```
folder <- getwd()
```

```
df.raw <- read_excel("/Users/parinithakompala/Library/Containers/com.microsoft.Excel/Data/Downloads/Ad  
df.raw
```

```
## # A tibble: 1,651 x 260
```

```
##   readmit30d_yn_state  dead obleed  ocva oleginf  otia  orf opneu oafib2 return  
##           <dbl> <dbl>  <dbl> <dbl>  <dbl> <dbl> <dbl> <dbl>  <dbl> <dbl>  
## 1             1      0      0      0      0      0      0      0      1      0  
## 2             1      0      0      0      0      0      0      0      1      0  
## 3             0      0      0      0      0      0      0      0      0      0  
## 4             0      0      0      0      0      0      0      0      0      0  
## 5             0      0      0      0      0      0      0      0      1      0  
## 6             0      0      0      0      0      0      0      0      0      0  
## 7             1      0      0      0      0      0      0      0      1      0  
## 8             0      0      0      0      0      0      0      0      0      0  
## 9             0      0      0      1      0      0      0      0      1      0  
## 10            0      0      0      0      0      0      0      0      1      0
```

```
## # ... with 1,641 more rows, and 250 more variables: akin <dbl>, lm2cat <dbl>,  
## #   rfcr_2 <dbl>, iabppre_2 <dbl>, atfibyn_2 <dbl>, hyperyn_2 <dbl>,  
## #   ef50_neg <dbl>, ef50_neg_d <dbl>, priormi_21 <dbl>, priormi_22 <dbl>,  
## #   priormi_23 <dbl>, priormi_24 <dbl>, age_d <dbl>, ua_nmi7 <dbl>,  
## #   creatpre_2 <dbl>, rf_1 <dbl>, rf_2 <dbl>, rf_3 <dbl>, priority_21 <dbl>,  
## #   priority_22 <dbl>, dm3cat <dbl>, dm3cat_21 <dbl>, dm3cat_22 <dbl>,  
## #   dm3cat_21_2 <dbl>, dm3cat_22_2 <dbl>, pci_ta <dbl>, efvalue_r <dbl>, ...
```

```
names(df.raw) <- tolower(names(df.raw))
```

```
factors
```

```
df.as.factors <- data.frame(lapply(df.raw, factor))
```

```
str(df.as.factors)
```

```
## 'data.frame': 1651 obs. of 260 variables:  
## $ readmit30d_yn_state: Factor w/ 2 levels "0","1": 2 2 1 1 1 1 2 1 1 1 ...  
## $ dead : Factor w/ 2 levels "0","1": 1 1 1 1 1 1 1 1 1 1 ...  
## $ obleed : Factor w/ 2 levels "0","1": 1 1 1 1 1 1 1 1 1 1 ...  
## $ ocva : Factor w/ 2 levels "0","1": 1 1 1 1 1 1 1 1 2 1 ...  
## $ oleginf : Factor w/ 2 levels "0","1": 1 1 1 1 1 1 1 1 1 1 ...  
## $ otia : Factor w/ 2 levels "0","1": 1 1 1 1 1 1 1 1 1 1 ...  
## $ orf : Factor w/ 2 levels "0","1": 1 1 1 1 1 1 1 1 1 1 ...  
## $ opneu : Factor w/ 2 levels "0","1": 1 1 1 1 1 1 1 1 1 1 ...  
## $ oafib2 : Factor w/ 2 levels "0","1": 2 2 1 1 2 1 2 1 2 2 ...  
## $ return : Factor w/ 2 levels "0","1": 1 1 1 1 1 1 1 1 1 1 ...  
## $ akin : Factor w/ 4 levels "0","1","2","3": 2 1 1 1 3 1 2 1 1 1 ...  
## $ lm2cat : Factor w/ 2 levels "0","1": 2 2 1 2 1 1 1 1 1 2 ...  
## $ rfcr_2 : Factor w/ 2 levels "0","1": 1 1 1 1 1 1 1 1 1 1 ...  
## $ iabppre_2 : Factor w/ 2 levels "0","1": 1 1 1 1 1 1 1 1 1 1 ...  
## $ atfibyn_2 : Factor w/ 2 levels "0","1": 1 1 1 1 1 1 1 1 1 1 ...  
## $ hyperyn_2 : Factor w/ 2 levels "0","1": 2 1 2 1 2 2 2 1 2 1 ...  
## $ ef50_neg : Factor w/ 30 levels "0","1","2","3",...: 1 14 1 NA 1 1 11 1 1 1 ...  
## $ ef50_neg_d : Factor w/ 5 levels "1","2","3","4",...: 1 3 1 NA 1 1 2 1 1 1 ...  
## $ priormi_21 : Factor w/ 2 levels "0","1": 1 2 1 1 2 1 1 1 2 1 ...  
## $ priormi_22 : Factor w/ 2 levels "0","1": 1 2 1 1 2 1 1 1 2 1 ...
```

```

## $ priormi_23 : Factor w/ 2 levels "0","1": 1 2 1 1 2 1 1 1 2 1 ...
## $ priormi_24 : Factor w/ 2 levels "0","1": 1 2 1 1 2 1 1 1 1 1 ...
## $ age_d : Factor w/ 8 levels "3","4","5","6",...: 6 5 5 6 6 5 5 4 4 6 ...
## $ ua_nmi7 : Factor w/ 2 levels "0","1": 2 2 1 1 2 2 2 2 1 1 ...
## $ creatpre_2 : Factor w/ 72 levels "0.40000001","0.5",...: 38 33 33 15 28 15 11 33 21 28 ...
## $ rf_1 : Factor w/ 2 levels "0","1": 1 1 1 1 1 1 1 1 1 1 ...
## $ rf_2 : Factor w/ 40 levels "0","0.0099999905",...: 18 13 13 1 8 1 1 13 1 8 ...
## $ rf_3 : Factor w/ 23 levels "0","0.10000002",...: 1 1 1 1 1 1 1 1 1 1 ...
## $ priority_21 : Factor w/ 2 levels "0","1": 2 1 1 2 1 1 2 1 2 2 ...
## $ priority_22 : Factor w/ 2 levels "0","1": 2 1 1 1 1 1 1 1 1 1 ...
## $ dm3cat : Factor w/ 3 levels "1","2","3": 1 1 2 2 1 1 1 1 1 1 ...
## $ dm3cat_21 : Factor w/ 2 levels "0","1": 1 1 2 2 1 1 1 1 1 1 ...
## $ dm3cat_22 : Factor w/ 2 levels "0","1": 1 1 1 1 1 1 1 1 1 1 ...
## $ dm3cat_21_2 : Factor w/ 2 levels "0","1": 1 1 2 2 1 1 1 1 1 1 ...
## $ dm3cat_22_2 : Factor w/ 2 levels "0","1": 1 1 1 1 1 1 1 1 1 1 ...
## $ pci_ta : Factor w/ 2 levels "0","1": 1 1 1 1 1 1 1 1 1 1 ...
## $ efvalue_r : Factor w/ 64 levels "13","15","18",...: 42 17 33 42 42 46 21 31 61 49 ...
## $ ef50_neg_r : Factor w/ 31 levels "0","1","2","3",...: 1 15 1 1 1 1 11 1 1 1 ...
## $ ef50_neg_d_r : Factor w/ 5 levels "1","2","3","4",...: 1 3 1 1 1 1 2 1 1 1 ...
## $ atfibyn_2_r : Factor w/ 2 levels "0","1": 1 1 1 1 1 1 1 1 1 1 ...
## $ priormi_r : Factor w/ 5 levels "0","1","2","3",...: 1 5 1 1 5 1 1 1 4 1 ...
## $ priormi_21_r : Factor w/ 2 levels "0","1": 1 2 1 1 2 1 1 1 2 1 ...
## $ priormi_22_r : Factor w/ 2 levels "0","1": 1 2 1 1 2 1 1 1 2 1 ...
## $ priormi_23_r : Factor w/ 2 levels "0","1": 1 2 1 1 2 1 1 1 2 1 ...
## $ priormi_24_r : Factor w/ 2 levels "0","1": 1 2 1 1 2 1 1 1 1 1 ...
## $ age_r : Factor w/ 1555 levels "25.878166","36.257359",...: 1206 978 756 1181 1362 883 ...
## $ age_d_r : Factor w/ 8 levels "3","4","5","6",...: 6 5 5 6 6 5 5 4 4 6 ...
## $ ua_r : Factor w/ 2 levels "0","1": 2 2 1 1 2 2 2 2 1 1 ...
## $ ua_nmi7_r : Factor w/ 2 levels "0","1": 2 2 1 1 2 2 2 2 1 1 ...
## $ chf_r : Factor w/ 4 levels "0","1","2","4": 1 1 1 1 1 1 1 1 1 1 ...
## $ chf2cat_r : Factor w/ 2 levels "0","1": 1 1 1 1 1 1 1 1 1 1 ...
## $ rf_r : Factor w/ 2 levels "0","1": 1 1 1 1 1 1 1 1 1 1 ...
## $ creatpre_2_r : Factor w/ 72 levels "0.40000001","0.5",...: 38 33 33 15 28 15 11 33 21 28 ...
## $ rf_1_r : Factor w/ 2 levels "0","1": 1 1 1 1 1 1 1 1 1 1 ...
## $ rf_2_r : Factor w/ 40 levels "0","0.0099999905",...: 18 13 13 1 8 1 1 13 1 8 ...
## $ rf_3_r : Factor w/ 23 levels "0","0.10000002",...: 1 1 1 1 1 1 1 1 1 1 ...
## $ priority_r : Factor w/ 3 levels "1","2","3": 1 3 3 2 3 3 2 3 2 2 ...
## $ priority_21_r : Factor w/ 2 levels "0","1": 2 1 1 2 1 1 2 1 2 2 ...
## $ priority_22_r : Factor w/ 2 levels "0","1": 2 1 1 1 1 1 1 1 1 1 ...
## $ sex_r : Factor w/ 2 levels "0","1": 1 1 1 1 1 1 1 1 1 1 ...
## $ prcabg_r : Factor w/ 2 levels "0","1": 1 1 1 1 1 1 1 1 1 1 ...
## $ copd_r : Factor w/ 2 levels "0","1": 1 2 1 1 1 1 1 1 1 1 ...
## $ anydm_r : Factor w/ 2 levels "0","1": 1 1 2 2 1 1 1 1 1 1 ...
## $ dmtx_r : Factor w/ 4 levels "0","1","2","3": NA NA 3 3 NA NA NA NA NA ...
## $ dm3cat_r : Factor w/ 3 levels "1","2","3": 1 1 2 2 1 1 1 1 1 1 ...
## $ dm3cat_21_r : Factor w/ 2 levels "0","1": 1 1 2 2 1 1 1 1 1 1 ...
## $ dm3cat_22_r : Factor w/ 2 levels "0","1": 1 1 1 1 1 1 1 1 1 1 ...
## $ iabppre_r : Factor w/ 2 levels "0","1": 1 1 1 1 1 1 1 1 1 1 ...
## $ anyvad_r : Factor w/ 2 levels "0","1": 1 1 1 2 1 1 1 1 1 1 ...
## $ vad_r : Factor w/ 6 levels "0","1","2","3",...: 1 1 1 2 1 1 1 1 1 1 ...
## $ hyper_r : Factor w/ 4 levels "0","1","2","3": 4 1 2 1 4 2 4 1 2 1 ...
## $ hyperyn_2_r : Factor w/ 2 levels "0","1": 2 1 2 1 2 2 2 1 2 1 ...
## $ prptca6_r : Factor w/ 4 levels "0","1","2","4": 1 3 1 1 1 1 1 1 1 1 ...
## $ pci_ta_r : Factor w/ 2 levels "0","1": 1 1 1 1 1 1 1 1 1 1 ...

```

```
## $ lm3cat_r      : Factor w/ 3 levels "1","2","3": 2 2 1 2 1 1 1 1 1 2 ...
## $ lm2cat_r      : Factor w/ 2 levels "0","1": 2 2 1 2 1 1 1 1 1 2 ...
## $ aortic_insuff  : Factor w/ 2 levels "0","1": 1 NA NA NA 1 NA 1 NA NA NA ...
## $ aortic_insuff_r : Factor w/ 2 levels "0","1": 1 1 1 1 1 1 1 1 1 1 ...
## $ aortic_sten    : Factor w/ 2 levels "0","1": 1 NA NA NA 1 NA 1 NA NA NA ...
## $ aortic_sten_r  : Factor w/ 2 levels "0","1": 1 1 1 1 1 1 1 1 1 1 ...
## $ chf_nyha_iv    : Factor w/ 2 levels "0","1": 1 1 1 1 1 1 1 1 1 1 ...
## $ chf_nyha_ltiv   : Factor w/ 2 levels "0","1": 1 1 1 1 1 1 1 1 1 1 ...
## $ chf_nyha_iv_r   : Factor w/ 2 levels "0","1": 1 1 1 1 1 1 1 1 1 1 ...
## $ chf_nyha_ltiv_r : Factor w/ 2 levels "0","1": 1 1 1 1 1 1 1 1 1 1 ...
## $ smoker_r       : Factor w/ 2 levels "0","1": 1 1 1 1 1 1 1 1 2 1 ...
## $ cvd            : Factor w/ 2 levels "0","1": 1 1 1 2 1 1 1 1 1 1 ...
## $ cvd_r          : Factor w/ 2 levels "0","1": 1 1 1 2 1 1 1 1 1 1 ...
## $ htc_m_d        : Factor w/ 9 levels "12","13","14",...: 6 5 6 6 8 7 7 6 6 6 ...
## $ htc_m_r        : Factor w/ 112 levels "122.1","132",...: 63 46 59 63 106 88 94 59 63 54 ...
## $ htc_m_d_r      : Factor w/ 9 levels "12","13","14",...: 6 5 6 6 8 7 7 6 6 6 ...
## $ mitral_insuff   : Factor w/ 2 levels "0","1": 2 NA NA NA 1 NA 1 NA NA NA ...
## $ mitral_insuff_r : Factor w/ 2 levels "0","1": 2 1 1 1 1 1 1 1 1 1 ...
## $ carotid_sten    : Factor w/ 2 levels "0","1": NA 1 1 1 NA 1 NA 1 1 1 ...
## $ carotid_sten_r  : Factor w/ 2 levels "0","1": 1 1 1 1 1 1 1 1 1 1 ...
## $ pvd            : Factor w/ 2 levels "0","1": 1 1 1 1 1 1 1 1 1 1 ...
## $ pvd_r          : Factor w/ 2 levels "0","1": 1 1 1 1 1 1 1 1 1 1 ...
## $ tricuspid_insuff : Factor w/ 2 levels "0","1": 1 NA NA NA 1 NA 1 NA NA NA ...
## $ tricuspid_insuff_r : Factor w/ 2 levels "0","1": 1 1 1 1 1 1 1 1 1 1 ...
## $ bmi_squared     : Factor w/ 1160 levels "184.21889","233.4297",...: 545 1121 661 371 659 1074 9
## [list output truncated]
```

```
df.final <- data.frame(df.as.factors, df.raw)
```

```
str(df.final)
```

```
## 'data.frame': 1651 obs. of 520 variables:
## $ readmit30d_yn_state : Factor w/ 2 levels "0","1": 2 2 1 1 1 1 2 1 1 1 ...
## $ dead                : Factor w/ 2 levels "0","1": 1 1 1 1 1 1 1 1 1 1 ...
## $ obleed              : Factor w/ 2 levels "0","1": 1 1 1 1 1 1 1 1 1 1 ...
## $ ocva                : Factor w/ 2 levels "0","1": 1 1 1 1 1 1 1 1 2 1 ...
## $ oleginf             : Factor w/ 2 levels "0","1": 1 1 1 1 1 1 1 1 1 1 ...
## $ otia                : Factor w/ 2 levels "0","1": 1 1 1 1 1 1 1 1 1 1 ...
## $ orf                 : Factor w/ 2 levels "0","1": 1 1 1 1 1 1 1 1 1 1 ...
## $ opneu               : Factor w/ 2 levels "0","1": 1 1 1 1 1 1 1 1 1 1 ...
## $ oafib2              : Factor w/ 2 levels "0","1": 2 2 1 1 2 1 2 1 2 2 ...
## $ return              : Factor w/ 2 levels "0","1": 1 1 1 1 1 1 1 1 1 1 ...
## $ akin                : Factor w/ 4 levels "0","1","2","3": 2 1 1 1 3 1 2 1 1 1 ...
## $ lm2cat              : Factor w/ 2 levels "0","1": 2 2 1 2 1 1 1 1 1 2 ...
## $ rfcr_2              : Factor w/ 2 levels "0","1": 1 1 1 1 1 1 1 1 1 1 ...
## $ iabppre_2           : Factor w/ 2 levels "0","1": 1 1 1 1 1 1 1 1 1 1 ...
## $ atfibyn_2           : Factor w/ 2 levels "0","1": 1 1 1 1 1 1 1 1 1 1 ...
## $ hyperyn_2           : Factor w/ 2 levels "0","1": 2 1 2 1 2 2 2 1 2 1 ...
## $ ef50_neg            : Factor w/ 30 levels "0","1","2","3",...: 1 14 1 NA 1 1 11 1 1 1 ...
## $ ef50_neg_d          : Factor w/ 5 levels "1","2","3","4",...: 1 3 1 NA 1 1 2 1 1 1 ...
## $ priormi_21          : Factor w/ 2 levels "0","1": 1 2 1 1 2 1 1 1 2 1 ...
## $ priormi_22          : Factor w/ 2 levels "0","1": 1 2 1 1 2 1 1 1 2 1 ...
## $ priormi_23          : Factor w/ 2 levels "0","1": 1 2 1 1 2 1 1 1 2 1 ...
## $ priormi_24          : Factor w/ 2 levels "0","1": 1 2 1 1 2 1 1 1 1 1 ...
## $ age_d               : Factor w/ 8 levels "3","4","5","6",...: 6 5 5 6 6 5 5 4 4 6 ...
```

```

## $ ua_nmi7 : Factor w/ 2 levels "0","1": 2 2 1 1 2 2 2 2 1 1 ...
## $ creatpre_2 : Factor w/ 72 levels "0.40000001","0.5",...: 38 33 33 15 28 15 11 33 21 28 .
## $ rf_1 : Factor w/ 2 levels "0","1": 1 1 1 1 1 1 1 1 1 1 ...
## $ rf_2 : Factor w/ 40 levels "0","0.0099999905",...: 18 13 13 1 8 1 1 13 1 8 ...
## $ rf_3 : Factor w/ 23 levels "0","0.10000002",...: 1 1 1 1 1 1 1 1 1 1 ...
## $ priority_21 : Factor w/ 2 levels "0","1": 2 1 1 2 1 1 2 1 2 2 ...
## $ priority_22 : Factor w/ 2 levels "0","1": 2 1 1 1 1 1 1 1 1 1 ...
## $ dm3cat : Factor w/ 3 levels "1","2","3": 1 1 2 2 1 1 1 1 1 1 ...
## $ dm3cat_21 : Factor w/ 2 levels "0","1": 1 1 2 2 1 1 1 1 1 1 ...
## $ dm3cat_22 : Factor w/ 2 levels "0","1": 1 1 1 1 1 1 1 1 1 1 ...
## $ dm3cat_21_2 : Factor w/ 2 levels "0","1": 1 1 2 2 1 1 1 1 1 1 ...
## $ dm3cat_22_2 : Factor w/ 2 levels "0","1": 1 1 1 1 1 1 1 1 1 1 ...
## $ pci_ta : Factor w/ 2 levels "0","1": 1 1 1 1 1 1 1 1 1 1 ...
## $ efvalue_r : Factor w/ 64 levels "13","15","18",...: 42 17 33 42 42 46 21 31 61 49 ...
## $ ef50_neg_r : Factor w/ 31 levels "0","1","2","3",...: 1 15 1 1 1 1 11 1 1 1 ...
## $ ef50_neg_d_r : Factor w/ 5 levels "1","2","3","4",...: 1 3 1 1 1 1 2 1 1 1 ...
## $ atfibyn_2_r : Factor w/ 2 levels "0","1": 1 1 1 1 1 1 1 1 1 1 ...
## $ priormi_r : Factor w/ 5 levels "0","1","2","3",...: 1 5 1 1 5 1 1 1 4 1 ...
## $ priormi_21_r : Factor w/ 2 levels "0","1": 1 2 1 1 2 1 1 1 2 1 ...
## $ priormi_22_r : Factor w/ 2 levels "0","1": 1 2 1 1 2 1 1 1 2 1 ...
## $ priormi_23_r : Factor w/ 2 levels "0","1": 1 2 1 1 2 1 1 1 2 1 ...
## $ priormi_24_r : Factor w/ 2 levels "0","1": 1 2 1 1 2 1 1 1 1 1 ...
## $ age_r : Factor w/ 1555 levels "25.878166","36.257359",...: 1206 978 756 1181 1362 8...
## $ age_d_r : Factor w/ 8 levels "3","4","5","6",...: 6 5 5 6 6 5 5 4 4 6 ...
## $ ua_r : Factor w/ 2 levels "0","1": 2 2 1 1 2 2 2 2 1 1 ...
## $ ua_nmi7_r : Factor w/ 2 levels "0","1": 2 2 1 1 2 2 2 2 1 1 ...
## $ chf_r : Factor w/ 4 levels "0","1","2","4": 1 1 1 1 1 1 1 1 1 1 ...
## $ chf2cat_r : Factor w/ 2 levels "0","1": 1 1 1 1 1 1 1 1 1 1 ...
## $ rf_r : Factor w/ 2 levels "0","1": 1 1 1 1 1 1 1 1 1 1 ...
## $ creatpre_2_r : Factor w/ 72 levels "0.40000001","0.5",...: 38 33 33 15 28 15 11 33 21 28 .
## $ rf_1_r : Factor w/ 2 levels "0","1": 1 1 1 1 1 1 1 1 1 1 ...
## $ rf_2_r : Factor w/ 40 levels "0","0.0099999905",...: 18 13 13 1 8 1 1 13 1 8 ...
## $ rf_3_r : Factor w/ 23 levels "0","0.10000002",...: 1 1 1 1 1 1 1 1 1 1 ...
## $ priority_r : Factor w/ 3 levels "1","2","3": 1 3 3 2 3 3 2 3 2 2 ...
## $ priority_21_r : Factor w/ 2 levels "0","1": 2 1 1 2 1 1 2 1 2 2 ...
## $ priority_22_r : Factor w/ 2 levels "0","1": 2 1 1 1 1 1 1 1 1 1 ...
## $ sex_r : Factor w/ 2 levels "0","1": 1 1 1 1 1 1 1 1 1 1 ...
## $ prcabg_r : Factor w/ 2 levels "0","1": 1 1 1 1 1 1 1 1 1 1 ...
## $ copd_r : Factor w/ 2 levels "0","1": 1 2 1 1 1 1 1 1 1 1 ...
## $ anydm_r : Factor w/ 2 levels "0","1": 1 1 2 2 1 1 1 1 1 1 ...
## $ dmtx_r : Factor w/ 4 levels "0","1","2","3": NA NA 3 3 NA NA NA NA NA NA ...
## $ dm3cat_r : Factor w/ 3 levels "1","2","3": 1 1 2 2 1 1 1 1 1 1 ...
## $ dm3cat_21_r : Factor w/ 2 levels "0","1": 1 1 2 2 1 1 1 1 1 1 ...
## $ dm3cat_22_r : Factor w/ 2 levels "0","1": 1 1 1 1 1 1 1 1 1 1 ...
## $ iabppre_r : Factor w/ 2 levels "0","1": 1 1 1 1 1 1 1 1 1 1 ...
## $ anyvad_r : Factor w/ 2 levels "0","1": 1 1 1 2 1 1 1 1 1 1 ...
## $ vad_r : Factor w/ 6 levels "0","1","2","3",...: 1 1 1 2 1 1 1 1 1 1 ...
## $ hyper_r : Factor w/ 4 levels "0","1","2","3": 4 1 2 1 4 2 4 1 2 1 ...
## $ hyperyn_2_r : Factor w/ 2 levels "0","1": 2 1 2 1 2 2 2 1 2 1 ...
## $ prptca6_r : Factor w/ 4 levels "0","1","2","4": 1 3 1 1 1 1 1 1 1 1 ...
## $ pci_ta_r : Factor w/ 2 levels "0","1": 1 1 1 1 1 1 1 1 1 1 ...
## $ lm3cat_r : Factor w/ 3 levels "1","2","3": 2 2 1 2 1 1 1 1 1 2 ...
## $ lm2cat_r : Factor w/ 2 levels "0","1": 2 2 1 2 1 1 1 1 1 2 ...
## $ aortic_insuff : Factor w/ 2 levels "0","1": 1 NA NA NA 1 NA 1 NA NA NA ...

```

```
## $ aortic_insuff_r      : Factor w/ 2 levels "0","1": 1 1 1 1 1 1 1 1 1 1 ...
## $ aortic_sten         : Factor w/ 2 levels "0","1": 1 NA NA NA 1 NA 1 NA NA NA ...
## $ aortic_sten_r      : Factor w/ 2 levels "0","1": 1 1 1 1 1 1 1 1 1 1 ...
## $ chf_nyha_iv         : Factor w/ 2 levels "0","1": 1 1 1 1 1 1 1 1 1 1 ...
## $ chf_nyha_ltiv      : Factor w/ 2 levels "0","1": 1 1 1 1 1 1 1 1 1 1 ...
## $ chf_nyha_iv_r      : Factor w/ 2 levels "0","1": 1 1 1 1 1 1 1 1 1 1 ...
## $ chf_nyha_ltiv_r    : Factor w/ 2 levels "0","1": 1 1 1 1 1 1 1 1 1 1 ...
## $ smoker_r           : Factor w/ 2 levels "0","1": 1 1 1 1 1 1 1 1 2 1 ...
## $ cvd                 : Factor w/ 2 levels "0","1": 1 1 1 2 1 1 1 1 1 1 ...
## $ cvd_r               : Factor w/ 2 levels "0","1": 1 1 1 2 1 1 1 1 1 1 ...
## $ htc_m_d             : Factor w/ 9 levels "12","13","14",...: 6 5 6 6 8 7 7 6 6 6 ...
## $ htc_m_r             : Factor w/ 112 levels "122.1","132",...: 63 46 59 63 106 88 94 59 63 54 ...
## $ htc_m_d_r           : Factor w/ 9 levels "12","13","14",...: 6 5 6 6 8 7 7 6 6 6 ...
## $ mitral_insuff       : Factor w/ 2 levels "0","1": 2 NA NA NA 1 NA 1 NA NA NA ...
## $ mitral_insuff_r     : Factor w/ 2 levels "0","1": 2 1 1 1 1 1 1 1 1 1 ...
## $ carotid_sten        : Factor w/ 2 levels "0","1": NA 1 1 1 NA 1 NA 1 1 1 ...
## $ carotid_sten_r     : Factor w/ 2 levels "0","1": 1 1 1 1 1 1 1 1 1 1 ...
## $ pvd                 : Factor w/ 2 levels "0","1": 1 1 1 1 1 1 1 1 1 1 ...
## $ pvd_r               : Factor w/ 2 levels "0","1": 1 1 1 1 1 1 1 1 1 1 ...
## $ tricuspid_insuff    : Factor w/ 2 levels "0","1": 1 NA NA NA 1 NA 1 NA NA NA ...
## $ tricuspid_insuff_r : Factor w/ 2 levels "0","1": 1 1 1 1 1 1 1 1 1 1 ...
## $ bmi_squared         : Factor w/ 1160 levels "184.21889","233.4297",...: 545 1121 661 371 659 1074
## [list output truncated]
```

```
view(df.final)
```

Training

```
#split into training and test sets
df.final[,"train"] <- ifelse(runif(nrow(df.final))<0.8,1,0)
#separate training and test sets
trainset <- df.final[df.final$train==1,]
testset <- df.final[df.final$train==0,]
#get column index of train flag
train.col.num <- grep("train",names(trainset))
#remove train flag column from train and test sets
trainset <- trainset[,-train.col.num]
testset <- testset[,-train.col.num]
```

Change levels to “Y” and “N” to run with healthcareai package

```
levels(df.final$dead)[levels(df.final$dead) == 1] <- "Y"
levels(df.final$dead)[levels(df.final$dead) == 0] <- "N"
```

```
# Split the data into training and test sets using healthcareai package
```

```
d <- split_train_test(d = df.final,
                      outcome = dead)
```

```
d
```

```
## $train
##      readmit30d_yn_state dead obleed ocva oleginf otia orf opneu oafib2 return
## 1           1      N      0      0           0      0      0      0      1      0
## 2           1      N      0      0           0      0      0      0      1      0
## 3           0      N      0      0           0      0      0      0      0      0
## 4           0      N      0      0           0      0      0      0      0      0
## 5           0      N      0      0           0      0      0      0      1      0
```

## 6	0	N	0	0	0	0	0	0	0	0
## 7	1	N	0	0	0	0	0	0	1	0
## 8	0	N	0	0	0	0	0	0	0	0
## 10	0	N	0	0	0	0	0	0	1	0
## 11	0	N	0	0	0	0	0	0	1	1
## 12	0	N	0	0	0	0	0	0	1	0
## 13	0	N	0	0	0	0	0	0	1	0
## 14	0	N	0	0	0	0	0	0	0	0
## 16	0	Y	0	0	0	0	0	0	1	0
## 17	0	N	0	0	0	0	0	0	0	0
## 18	0	N	0	0	0	0	0	0	0	0
## 19	0	N	0	0	0	0	0	0	1	0
## 20	0	N	0	0	0	0	0	0	0	0
## 21	0	Y	0	1	0	0	0	1	0	0
## 23	0	N	0	0	0	0	0	0	0	0
## 25	0	Y	0	0	0	0	0	0	0	0
## 26	0	N	0	0	0	0	0	0	0	0
## 27	0	N	0	0	0	0	0	0	1	0
## 28	0	N	0	0	0	0	0	0	1	0
## 29	0	N	0	0	0	0	0	0	0	0
## 30	0	N	0	0	0	0	0	0	1	0
## 33	0	N	0	0	0	0	0	0	0	0
## 34	0	N	0	0	0	0	0	0	0	0
## 35	0	N	0	0	0	0	0	0	0	0
## 36	0	N	0	0	0	0	0	0	0	0
## 37	0	N	0	0	0	0	0	0	0	0
## 38	0	N	0	0	0	0	0	0	0	0
## 39	0	N	0	0	0	0	0	0	0	0
## 40	0	Y	0	0	0	0	0	0	0	0
## 41	0	N	0	0	0	0	0	0	0	0
## 43	0	N	0	0	0	0	0	0	1	0
## 44	0	N	0	0	0	0	0	0	1	0
## 45	0	N	0	0	0	0	0	0	0	0
## 46	0	N	0	0	0	0	0	0	0	0
## 47	0	N	0	0	0	0	0	0	0	0
## 48	0	N	0	0	0	0	0	0	0	0
## 49	1	N	0	0	0	0	0	0	1	0
## 50	1	N	0	0	0	0	0	0	1	0
## 51	0	N	0	0	0	0	1	0	1	0
## 52	0	N	0	0	0	0	0	0	0	0
## 54	0	Y	0	0	0	0	0	0	0	0
## 55	0	N	0	0	0	0	0	0	0	0
## 56	0	Y	0	0	0	0	0	0	0	0
## 57	1	N	0	0	0	0	0	0	0	0
## 58	0	N	0	0	0	0	0	0	0	0
## 59	0	N	0	0	0	0	0	0	0	0
## 60	0	N	0	0	0	0	0	0	0	0
## 62	0	N	0	0	0	0	0	0	0	0
## 65	0	N	0	0	0	0	0	0	0	0
## 67	0	N	0	0	0	0	0	0	0	0
## 68	1	N	0	0	0	0	0	0	0	0
## 69	0	N	0	0	0	0	0	0	0	0
## 70	0	N	0	0	0	0	0	0	0	0
## 71	0	N	0	0	0	0	0	0	0	0

## 72	0	N	0	0	0	0	0	0	0	0
## 73	0	N	0	0	0	0	0	0	0	0
## 74	0	N	0	0	0	0	0	0	0	0
## 75	0	N	0	0	0	0	0	0	1	0
## 76	0	N	0	0	0	0	0	1	1	0
## 77	1	Y	0	0	0	0	0	0	0	0
## 79	0	Y	0	0	0	0	0	0	0	0
## 80	0	N	0	0	0	0	0	0	0	0
## 81	0	Y	0	0	0	0	0	0	0	0
## 83	0	N	0	0	0	0	0	0	0	0
## 87	0	N	0	0	0	0	0	0	0	0
## 88	0	N	0	0	0	0	0	0	1	0
## 89	0	N	0	0	0	0	0	0	0	0
## 90	0	N	0	0	0	0	0	0	0	0
## 91	0	N	0	0	0	0	0	0	0	0
## 92	0	N	0	0	0	0	0	0	1	0
## 93	0	Y	0	0	0	0	0	0	0	0
## 94	0	N	0	0	0	0	0	0	1	0
## 95	0	N	0	0	0	0	0	0	0	0
## 96	0	Y	0	0	0	0	0	0	0	0
## 97	0	N	0	0	0	0	0	0	0	0
## 98	0	N	0	0	0	0	0	0	0	0
## 99	0	N	0	0	0	0	0	0	0	0
## 100	0	N	0	0	0	0	0	0	0	0
## 101	0	N	0	0	0	0	0	0	0	0
## 102	0	N	0	0	0	0	0	0	1	0
## 103	0	N	0	0	0	0	0	0	1	0
## 105	0	N	0	0	0	0	0	0	0	0
## 107	0	Y	0	0	0	0	0	0	0	0
## 108	0	N	0	0	0	0	0	0	1	0
## 109	0	N	0	0	0	0	0	0	1	0
## 110	0	N	0	0	0	0	0	0	0	0
## 112	0	N	0	0	0	0	0	0	0	0
## 113	0	Y	0	0	0	0	0	0	0	0
## 116	0	N	0	0	0	0	0	0	0	0
## 118	0	N	0	0	0	0	0	0	0	0
## 119	0	N	1	0	0	0	0	0	0	0
## 120	0	N	0	0	0	0	0	0	0	0
## 121	1	Y	0	0	0	0	0	0	1	0
## 122	1	N	0	0	0	0	0	0	1	0
## 123	1	N	0	0	0	0	0	0	1	0
## 124	0	N	0	0	0	0	0	0	1	0
## 125	0	N	0	0	0	0	0	0	0	0
## 126	0	Y	0	0	0	0	0	0	0	0
## 127	0	N	0	0	0	0	0	0	0	0
## 128	0	N	0	0	0	0	0	0	0	0
## 129	0	N	0	0	0	0	0	0	1	0
## 131	0	N	0	0	0	0	0	0	0	0
## 132	0	Y	0	0	0	0	0	0	1	0
## 134	0	N	0	0	0	0	0	0	1	0
## 136	0	N	0	0	0	0	0	0	0	0
## 137	0	Y	0	0	0	0	0	0	0	0
## 139	0	N	0	0	0	0	0	0	0	1
## 140	0	N	0	1	0	0	0	0	0	0

## 141	0	N	0	0	0	0	0	0	0	0
## 142	0	Y	0	0	0	0	0	0	0	0
## 144	0	N	0	0	0	0	0	0	0	0
## 146	0	N	0	0	0	0	0	0	0	0
## 147	0	N	0	0	0	0	0	0	0	0
## 148	0	N	0	0	0	0	0	0	0	0
## 149	0	Y	0	0	0	0	0	0	0	0
## 150	0	N	0	0	0	0	0	0	1	0
## 151	0	N	0	0	0	0	0	0	0	0
## 154	0	N	0	0	0	0	0	0	0	0
## 155	0	N	0	0	0	0	0	0	0	0
## 156	0	N	0	0	0	0	0	0	0	0
## 157	0	N	0	0	0	0	0	0	0	0
## 158	1	N	0	0	0	0	0	0	1	0
## 159	1	N	0	0	0	0	0	0	0	0
## 160	0	N	0	0	0	0	0	0	0	0
## 161	0	N	0	0	0	0	0	0	0	0
## 162	0	N	0	0	0	0	0	0	0	0
## 163	1	N	0	0	0	0	0	0	1	0
## 164	0	N	0	0	0	0	0	0	0	0
## 166	0	Y	1	1	0	0	0	0	0	0
## 167	0	N	0	0	0	0	0	0	0	0
## 168	0	N	0	0	0	0	0	0	0	0
## 169	0	N	0	0	0	0	0	0	0	0
## 170	0	Y	0	0	0	0	0	0	0	0
## 171	0	N	0	0	0	0	0	0	0	0
## 172	0	N	0	0	0	0	0	0	0	0
## 174	0	N	0	0	0	0	0	0	1	0
## 175	0	N	0	0	0	0	0	0	0	0
## 176	0	N	0	0	0	0	0	0	0	0
## 177	0	N	0	0	0	0	0	0	1	0
## 179	0	N	0	0	0	0	0	0	0	0
## 180	0	N	0	0	0	0	0	0	0	0
## 181	0	N	0	1	0	0	0	0	0	0
## 183	0	Y	0	0	0	0	0	0	0	0
## 184	0	N	0	0	0	0	0	0	1	0
## 185	0	N	0	0	0	0	0	0	0	0
## 186	0	N	0	0	0	0	0	0	0	0
## 188	0	Y	0	0	0	0	0	0	0	0
## 190	0	N	0	0	1	0	0	0	0	0
## 193	0	N	0	0	0	0	0	0	0	0
## 194	0	N	0	0	0	0	0	0	0	0
## 195	0	N	0	0	0	0	0	0	1	0
## 196	0	N	0	0	0	0	0	0	0	0
## 198	0	N	0	0	0	0	0	0	0	0
## 199	0	N	0	0	0	0	0	0	0	0
## 200	0	N	0	0	0	0	0	0	0	0
## 202	0	N	0	0	0	0	0	0	1	0
## 203	0	N	0	0	0	0	0	0	1	0
## 204	0	N	0	0	0	0	0	0	0	0
## 205	0	N	0	0	0	0	0	0	0	0
## 206	0	N	0	0	0	0	0	0	0	0
## 209	0	N	0	0	0	0	0	0	0	0
## 210	1	N	0	0	1	0	0	0	1	0

## 211	0	N	0	0	0	0	0	0	0	0
## 212	0	N	0	0	0	0	0	0	1	0
## 214	1	N	0	0	0	0	0	0	1	0
## 215	0	N	0	0	0	0	0	0	1	0
## 216	0	N	0	0	0	0	0	0	0	0
## 217	0	N	0	0	0	0	0	0	0	0
## 218	0	N	0	0	0	0	0	0	0	0
## 220	0	N	0	0	0	0	0	0	0	0
## 222	0	N	0	0	0	0	0	0	1	0
## 223	0	N	0	0	0	0	0	0	0	0
## 224	0	Y	0	0	0	0	0	0	0	0
## 225	0	N	0	0	0	0	0	0	0	0
## 226	0	N	0	0	0	0	0	0	0	0
## 227	0	N	0	0	0	0	0	0	1	0
## 228	0	N	0	0	0	0	0	0	1	0
## 229	0	N	0	0	0	0	0	0	0	0
## 230	0	N	0	0	0	0	0	0	0	0
## 231	0	N	0	0	0	0	0	0	0	0
## 232	1	Y	0	0	0	0	0	0	1	0
## 233	0	N	0	0	0	0	0	0	0	0
## 234	0	N	0	0	0	0	0	0	0	0
## 236	0	N	0	0	0	0	0	0	0	0
## 238	0	N	0	0	0	0	0	0	0	0
## 239	0	N	0	0	0	0	0	0	0	0

##	akin	lm2cat	rfcr_2	iabppre_2	atfibyn_2	hyperyn_2	ef50_neg	ef50_neg_d
## 1	1	1	0	0	0	1	0	1
## 2	0	1	0	0	0	0	13	3
## 3	0	0	0	0	0	1	0	1
## 4	0	1	0	0	0	0	<NA>	<NA>
## 5	2	0	0	0	0	1	0	1
## 6	0	0	0	0	0	1	0	1
## 7	1	0	0	0	0	1	10	2
## 8	0	0	0	0	0	0	0	1
## 10	0	1	0	0	0	0	0	1
## 11	0	1	0	1	0	0	<NA>	<NA>
## 12	0	0	0	0	0	1	0	1
## 13	1	0	0	0	0	1	0	1
## 14	1	0	0	0	0	0	0	1
## 16	1	0	0	0	0	1	0	1
## 17	0	0	<NA>	0	0	0	0	1
## 18	1	1	0	0	0	1	0	1
## 19	0	1	0	0	0	1	0	1
## 20	0	0	0	0	0	1	0	1
## 21	1	0	0	0	1	1	10	2
## 23	0	0	0	0	0	1	0	1
## 25	0	0	1	0	0	1	25	4
## 26	1	1	0	0	0	1	3	2
## 27	0	0	<NA>	0	0	1	0	1
## 28	1	0	0	0	0	0	0	1
## 29	1	0	0	0	0	1	2	2
## 30	1	1	0	0	0	1	0	1
## 33	0	0	0	0	0	1	0	1
## 34	0	0	0	0	0	1	0	1
## 35	0	0	0	0	0	1	0	1

## 36	1	1	0	0	0	0	0	1
## 37	0	0	0	0	0	0	0	1
## 38	0	0	0	0	0	1	0	1
## 39	0	0	0	0	0	1	0	1
## 40	1	0	0	0	0	1	0	1
## 41	0	0	0	0	0	1	0	1
## 43	1	1	0	0	0	1	0	1
## 44	0	0	0	0	0	1	0	1
## 45	0	1	0	0	0	1	0	1
## 46	0	0	0	0	1	1	0	1
## 47	1	1	0	0	0	1	0	1
## 48	0	0	0	0	0	1	0	1
## 49	0	0	<NA>	0	0	1	0	1
## 50	1	0	0	0	0	1	11	3
## 51	3	1	1	0	0	1	5	2
## 52	0	1	0	0	0	1	0	1
## 54	1	0	1	0	0	1	0	1
## 55	1	1	0	0	1	1	0	1
## 56	1	0	0	0	0	1	10	2
## 57	1	1	0	0	0	1	<NA>	<NA>
## 58	0	1	0	0	0	1	0	1
## 59	0	1	0	0	0	1	0	1
## 60	0	0	0	0	0	1	0	1
## 62	0	0	0	0	0	1	0	1
## 65	0	0	0	0	0	1	0	1
## 67	1	1	0	0	1	1	0	1
## 68	0	0	0	0	0	1	0	1
## 69	0	0	0	0	0	0	0	1
## 70	0	1	0	0	0	1	0	1
## 71	0	0	0	0	1	0	6	2
## 72	1	0	0	0	0	0	0	1
## 73	0	0	0	0	0	1	0	1
## 74	1	0	0	0	0	1	0	1
## 75	1	1	0	0	1	1	0	1
## 76	2	0	0	0	0	1	0	1
## 77	0	1	0	0	0	1	<NA>	<NA>
## 79	0	1	0	0	0	1	0	1
## 80	0	0	0	0	0	0	0	1
## 81	0	0	0	0	0	0	0	1
## 83	0	1	0	0	0	1	0	1
## 87	0	1	0	0	0	0	5	2
## 88	0	0	0	0	0	1	0	1
## 89	0	1	0	0	0	0	5	2
## 90	0	0	0	0	0	1	0	1
## 91	1	0	0	0	0	1	20	3
## 92	1	0	0	0	0	1	0	1
## 93	1	0	0	0	1	1	15	3
## 94	2	0	0	0	0	1	<NA>	<NA>
## 95	0	1	0	0	0	0	0	1
## 96	1	1	0	0	0	1	0	1
## 97	0	1	0	0	0	1	0	1
## 98	1	0	0	0	0	0	0	1
## 99	0	1	0	0	0	0	0	1
## 100	0	0	0	0	0	1	0	1

## 101	1	0	0	0	0	1	0	1
## 102	0	1	0	0	0	1	0	1
## 103	0	1	0	0	0	1	0	1
## 105	0	0	0	0	0	1	0	1
## 107	1	1	0	0	0	1	0	1
## 108	1	1	0	0	0	0	0	1
## 109	0	0	0	0	0	0	0	1
## 110	1	0	0	0	0	1	<NA>	<NA>
## 112	0	0	0	0	0	1	0	1
## 113	0	1	0	0	0	1	5	2
## 116	0	0	0	0	0	1	0	1
## 118	0	0	0	0	0	1	0	1
## 119	1	0	0	0	0	0	0	1
## 120	1	0	0	0	0	1	0	1
## 121	2	0	0	0	0	1	0	1
## 122	0	0	0	0	0	0	0	1
## 123	0	0	0	0	0	0	0	1
## 124	1	0	0	1	0	0	0	1
## 125	0	0	0	0	0	1	0	1
## 126	0	0	0	0	0	1	0	1
## 127	0	0	0	0	0	0	0	1
## 128	1	1	0	0	0	1	0	1
## 129	0	0	0	0	0	1	0	1
## 131	0	0	<NA>	0	0	1	<NA>	<NA>
## 132	0	1	0	0	0	1	15	3
## 134	0	1	0	0	0	1	0	1
## 136	0	0	0	0	0	1	0	1
## 137	1	0	0	0	0	1	0	1
## 139	0	1	<NA>	1	0	1	0	1
## 140	0	0	0	0	0	1	10	2
## 141	0	1	0	0	0	0	0	1
## 142	0	0	0	0	0	1	12	3
## 144	1	0	0	0	0	1	18	3
## 146	0	1	0	1	0	0	0	1
## 147	1	0	0	0	0	1	0	1
## 148	0	1	0	0	0	1	0	1
## 149	2	0	0	0	0	0	4	2
## 150	0	0	0	0	1	1	0	1
## 151	1	1	0	0	0	1	0	1
## 154	0	0	0	0	0	1	0	1
## 155	0	1	0	0	0	1	0	1
## 156	1	0	0	0	0	0	0	1
## 157	0	1	0	0	0	1	10	2
## 158	0	1	0	0	0	1	0	1
## 159	1	0	0	0	0	1	0	1
## 160	1	0	0	0	0	1	0	1
## 161	1	1	0	0	0	1	15	3
## 162	1	1	0	0	0	1	0	1
## 163	0	1	0	0	0	1	0	1
## 164	0	1	0	0	1	1	0	1
## 166	0	0	0	0	0	1	0	1
## 167	0	0	0	0	0	1	0	1
## 168	0	0	0	0	0	1	0	1
## 169	0	0	0	0	0	0	26	4

## 170	2	1	0	0	0	1	5	2
## 171	0	1	0	0	0	1	0	1
## 172	0	0	0	0	0	0	0	1
## 174	2	1	0	1	0	<NA>	3	2
## 175	0	0	0	0	0	1	5	2
## 176	1	1	0	0	0	1	0	1
## 177	1	0	0	0	<NA>	1	0	1
## 179	0	1	0	0	0	1	0	1
## 180	0	1	0	0	0	1	0	1
## 181	0	0	0	0	0	0	5	2
## 183	1	0	0	0	1	1	8	2
## 184	1	0	0	0	0	1	0	1
## 185	1	0	0	0	0	1	0	1
## 186	0	1	0	0	0	1	0	1
## 188	0	0	0	0	1	1	0	1
## 190	0	1	0	1	0	1	<NA>	<NA>
## 193	0	1	0	0	0	1	5	2
## 194	1	0	0	0	1	1	0	1
## 195	1	0	0	0	0	1	5	2
## 196	0	0	1	0	0	1	15	3
## 198	0	0	0	0	0	1	0	1
## 199	0	0	0	0	0	1	5	2
## 200	1	1	0	0	0	1	0	1
## 202	0	0	0	0	0	1	5	2
## 203	1	0	0	0	0	1	10	2
## 204	0	0	0	0	0	1	0	1
## 205	0	0	0	0	0	1	0	1
## 206	0	0	0	0	0	1	0	1
## 209	0	1	0	0	0	1	0	1
## 210	1	0	0	0	0	0	0	1
## 211	0	0	0	0	0	1	20	3
## 212	1	0	0	0	0	1	0	1
## 214	1	0	0	0	0	1	0	1
## 215	0	1	0	0	0	0	0	1
## 216	0	0	0	0	1	0	0	1
## 217	0	0	0	0	0	0	0	1
## 218	1	0	0	0	0	0	10	2
## 220	1	1	0	0	1	1	11	3
## 222	0	0	0	0	0	1	0	1
## 223	0	0	0	0	0	1	0	1
## 224	1	0	0	0	0	0	3	2
## 225	1	0	0	0	0	1	0	1
## 226	0	0	0	0	0	1	20	3
## 227	0	0	0	0	0	1	0	1
## 228	3	1	0	0	0	1	5	2
## 229	0	0	0	0	0	1	0	1
## 230	0	0	0	0	0	0	0	1
## 231	0	0	0	0	0	1	0	1
## 232	1	1	0	0	0	1	0	1
## 233	1	0	0	0	0	1	0	1
## 234	0	0	0	0	0	1	10	2
## 236	1	0	0	0	0	1	11	3
## 238	1	0	0	0	0	0	0	1
## 239	0	0	0	0	1	1	0	1

##	priormi_21	priormi_22	priormi_23	priormi_24	age_d	ua_nmi7	creatpre_2	rf_1
## 1	0	0	0	0	8	1	1.5	0
## 2	1	1	1	1	7	1	1.2	0
## 3	0	0	0	0	7	0	1.2	0
## 4	0	0	0	0	8	0	0.89999998	0
## 5	1	1	1	1	8	1	1.1	0
## 6	0	0	0	0	7	1	0.89999998	0
## 7	0	0	0	0	7	1	0.80000001	0
## 8	0	0	0	0	6	1	1.2	0
## 10	0	0	0	0	8	0	1.1	0
## 11	0	0	0	0	3	0	1	0
## 12	0	0	0	0	8	1	1.1	0
## 13	0	0	0	0	7	0	1.4	0
## 14	0	0	0	0	6	1	1	0
## 16	1	1	1	1	8	0	1.5	0
## 17	1	1	1	0	7	0	<NA>	0
## 18	0	0	0	0	6	1	1.1	0
## 19	1	1	1	1	7	0	1.2	0
## 20	0	0	0	0	8	1	1.1	0
## 21	1	1	1	0	8	1	0.80000001	0
## 23	1	1	0	0	8	0	1	0
## 25	1	1	1	0	6	1	2.4000001	0
## 26	0	0	0	0	8	0	1.7	0
## 27	0	0	0	0	7	0	<NA>	0
## 28	0	0	0	0	8	0	1.1	0
## 29	0	0	0	0	6	0	0.80000001	0
## 30	0	0	0	0	8	1	1	0
## 33	1	1	0	0	9	0	1.2	0
## 34	0	0	0	0	7	0	0.89999998	0
## 35	0	0	0	0	8	0	0.69999999	0
## 36	1	1	1	1	7	1	0.89999998	0
## 37	0	0	0	0	7	1	0.80000001	0
## 38	0	0	0	0	7	1	1	0
## 39	0	0	0	0	8	1	0.89999998	0
## 40	0	0	0	0	8	0	1.9	0
## 41	0	0	0	0	7	0	1	0
## 43	0	0	0	0	7	0	1.2	0
## 44	0	0	0	0	8	0	1.16	0
## 45	0	0	0	0	6	0	0.89999998	0
## 46	0	0	0	0	8	1	1	0
## 47	1	1	0	0	8	0	0.80000001	0
## 48	0	0	0	0	7	1	1.1	0
## 49	1	1	1	1	9	0	<NA>	0
## 50	0	0	0	0	6	0	1.5	0
## 51	1	1	1	0	8	1	2	0
## 52	1	1	1	1	7	1	1	0
## 54	1	1	1	1	8	1	2.5	0
## 55	0	0	0	0	7	0	0.80000001	0
## 56	1	1	1	1	9	1	1.2	0
## 57	0	0	0	0	8	1	1.3	0
## 58	1	1	1	1	7	0	0.89999998	0
## 59	1	1	1	1	7	0	0.80000001	0
## 60	0	0	0	0	6	0	1.03	0
## 62	1	1	1	1	7	0	1.5	0

## 65	1	1	0	0	6	0	1	0
## 67	1	1	0	0	7	0	0.89999998	0
## 68	1	1	0	0	8	0	1.1	0
## 69	1	1	0	0	6	0	1	0
## 70	0	0	0	0	7	0	1	0
## 71	1	1	0	0	5	0	0.89999998	0
## 72	0	0	0	0	8	0	1	0
## 73	0	0	0	0	7	0	1	0
## 74	0	0	0	0	8	0	1.3	0
## 75	1	1	1	1	6	1	0.89999998	0
## 76	0	0	0	0	8	1	0.69999999	0
## 77	0	0	0	0	9	1	1.6	0
## 79	1	1	0	0	7	0	1	0
## 80	0	0	0	0	6	0	1.15	0
## 81	1	1	1	1	6	1	1	0
## 83	0	0	0	0	8	1	1.1	0
## 87	1	1	1	0	7	0	1.2	0
## 88	0	0	0	0	7	0	1.1900001	0
## 89	0	0	0	0	8	1	0.60000002	0
## 90	0	0	0	0	6	1	1.1	0
## 91	0	0	0	0	6	1	0.80000001	0
## 92	1	1	1	0	7	0	1.1	0
## 93	1	1	1	0	9	1	1.1	0
## 94	1	1	0	0	7	0	1.2	0
## 95	0	0	0	0	6	0	1	0
## 96	0	0	0	0	8	0	1.4	0
## 97	0	0	0	0	8	0	1.01	0
## 98	0	0	0	0	6	0	1.1	0
## 99	0	0	0	0	7	0	1.2	0
## 100	1	1	1	1	7	0	1.7	0
## 101	0	0	0	0	6	1	0.89999998	0
## 102	1	1	1	0	5	0	0.80000001	0
## 103	0	0	0	0	6	0	0.80000001	0
## 105	1	1	1	1	6	0	1.5	0
## 107	0	0	0	0	8	0	1.5	0
## 108	0	0	0	0	9	0	1.1	0
## 109	0	0	0	0	9	1	1.1	0
## 110	0	0	0	0	7	0	1.7	0
## 112	0	0	0	0	6	0	0.95999998	0
## 113	1	1	1	1	7	0	1.1	0
## 116	1	1	0	0	7	0	0.89999998	0
## 118	1	1	1	1	9	0	1.1	0
## 119	0	0	0	0	7	0	1.1	0
## 120	1	1	1	1	6	1	1.1	0
## 121	0	0	0	0	8	0	0.80000001	0
## 122	0	0	0	0	8	1	1	0
## 123	0	0	0	0	7	1	1.2	0
## 124	1	1	0	0	8	0	1.1	0
## 125	0	0	0	0	6	0	1.2	0
## 126	0	0	0	0	7	0	1	0
## 127	0	0	0	0	6	1	0.80000001	0
## 128	0	0	0	0	6	1	1	0
## 129	0	0	0	0	6	0	0.89999998	0
## 131	0	0	0	0	6	0	<NA>	0

## 132	1	1	1	1	7	0 0.80000001	0
## 134	0	0	0	0	7	0 1.3	0
## 136	0	0	0	0	6	1 1.3	0
## 137	1	1	0	0	8	0 1.2	0
## 139	0	0	0	0	7	1 <NA>	0
## 140	0	0	0	0	7	0 0.80000001	0
## 141	0	0	0	0	6	1 0.89999998	0
## 142	0	0	0	0	5	1 0.69999999	0
## 144	1	1	0	0	8	0 1	0
## 146	1	1	0	0	7	0 0.69999999	0
## 147	1	1	0	0	5	0 0.80000001	0
## 148	1	1	0	0	8	0 1	0
## 149	1	1	0	0	7	0 1.4	0
## 150	0	0	0	0	9	1 1.2	0
## 151	0	0	0	0	7	1 1.9	0
## 154	0	0	0	0	7	0 1.1	0
## 155	0	0	0	0	7	0 0.80000001	0
## 156	1	1	0	0	6	0 0.80000001	0
## 157	1	1	1	1	6	0 1.3	0
## 158	1	1	0	0	8	0 1	0
## 159	1	1	1	0	8	0 1.9	0
## 160	1	1	1	1	7	1 1.2	0
## 161	0	0	0	0	8	1 0.89999998	0
## 162	1	1	1	1	6	1 1	0
## 163	0	0	0	0	8	1 1.2	0
## 164	0	0	0	0	8	1 1	0
## 166	1	1	0	0	6	0 1	0
## 167	0	0	0	0	6	0 1.2	0
## 168	1	1	0	0	9	0 0.80000001	0
## 169	1	1	0	0	7	0 1.1	0
## 170	0	0	0	0	8	1 0.89999998	0
## 171	0	0	0	0	7	1 0.89999998	0
## 172	0	0	0	0	6	0 1.2	0
## 174	1	0	0	0	8	0 1.2	0
## 175	1	1	1	0	5	0 0.80000001	0
## 176	0	0	0	0	7	1 1	0
## 177	1	1	1	1	8	1 1.1	0
## 179	0	0	0	0	7	0 0.89999998	0
## 180	1	1	1	0	7	1 1.3	0
## 181	1	1	0	0	7	0 0.89999998	0
## 183	1	1	1	0	8	1 1.6	0
## 184	0	0	0	0	7	0 0.89999998	0
## 185	0	0	0	0	7	1 0.89999998	0
## 186	0	0	0	0	6	1 0.89999998	0
## 188	1	1	1	1	8	1 1.2	0
## 190	0	0	0	0	5	1 0.69999999	0
## 193	0	0	0	0	8	0 0.80000001	0
## 194	1	1	1	0	8	0 1.6	0
## 195	1	1	0	0	8	0 0.80000001	0
## 196	1	1	1	0	6	0 4.4000001	0
## 198	1	1	1	1	5	1 1.1	0
## 199	0	0	0	0	6	0 1.37	0
## 200	0	0	0	0	6	0 1.1	0
## 202	0	0	0	0	8	1 1.5	0

## 203	1	1	0	0	9	0	1.2	0
## 204	1	1	1	0	7	1	0.80000001	0
## 205	0	0	0	0	6	1	0.89999998	0
## 206	1	1	1	1	7	0	0.69999999	0
## 209	1	1	1	1	5	0	1.2	0
## 210	0	0	0	0	8	1	0.89999998	0
## 211	1	1	1	1	5	0	1	0
## 212	0	0	0	0	8	1	0.89999998	0
## 214	1	1	1	0	7	1	1.2	0
## 215	0	0	0	0	6	1	1	0
## 216	1	1	0	0	7	0	1.3	0
## 217	0	0	0	0	6	1	1.4	0
## 218	1	1	0	0	7	0	0.89999998	0
## 220	1	1	1	1	8	0	1.3	0
## 222	1	1	1	1	7	1	1	0
## 223	1	1	0	0	6	0	1.2	0
## 224	0	0	0	0	8	1	0.89999998	0
## 225	0	0	0	0	7	1	1.1	0
## 226	0	0	0	0	7	0	1.1	0
## 227	0	0	0	0	8	1	0.69999999	0
## 228	1	1	1	1	6	1	0.80000001	0
## 229	0	0	0	0	6	0	1.2	0
## 230	0	0	0	0	7	1	0.69999999	0
## 231	0	0	0	0	8	1	0.89999998	0
## 232	1	1	1	0	7	1	0.89999998	0
## 233	0	0	0	0	7	0	0.89999998	0
## 234	1	1	1	1	5	0	1.5	0
## 236	1	1	0	0	6	0	0.89999998	0
## 238	0	0	0	0	6	0	1	0
## 239	0	0	0	0	5	0	0.98000002	0
##	rf_2	rf_3	priority_21	priority_22	dm3cat	dm3cat_21	dm3cat_22	
## 1	0.5	0	1	1	1	0	0	
## 2	0.20000005	0	0	0	1	0	0	
## 3	0.20000005	0	0	0	2	1	0	
## 4	0	0	1	0	2	1	0	
## 5	0.10000002	0	0	0	1	0	0	
## 6	0	0	0	0	1	0	0	
## 7	0	0	1	0	1	0	0	
## 8	0.20000005	0	0	0	1	0	0	
## 10	0.10000002	0	1	0	1	0	0	
## 11	0	0	1	0	1	0	0	
## 12	0.10000002	0	0	0	1	0	0	
## 13	0.39999998	0	1	0	1	0	0	
## 14	0	0	1	0	1	0	0	
## 16	0.5	0	1	0	3	1	1	
## 17	<NA>	<NA>	0	0	1	0	0	
## 18	0.10000002	0	0	0	1	0	0	
## 19	0.20000005	0	1	0	2	1	0	
## 20	0.10000002	0	0	0	1	0	0	
## 21	0	0	1	0	2	1	0	
## 23	0	0	1	0	2	1	0	
## 25	1.4000001	0.9000001	1	0	2	1	0	
## 26	0.70000005	0.20000005	1	0	3	1	1	
## 27	<NA>	<NA>	0	0	2	1	0	

## 28	0.10000002	0	0	0	2	1	0
## 29	0	0	0	0	1	0	0
## 30	0	0	0	0	3	1	1
## 33	0.20000005	0	1	0	1	0	0
## 34	0	0	0	0	1	0	0
## 35	0	0	1	0	1	0	0
## 36	0	0	1	0	1	0	0
## 37	0	0	1	0	2	1	0
## 38	0	0	1	0	1	0	0
## 39	0	0	1	0	2	1	0
## 40	0.89999998	0.39999998	0	0	2	1	0
## 41	0	0	0	0	1	0	0
## 43	0.20000005	0	0	0	1	0	0
## 44	0.15999997	0	1	0	1	0	0
## 45	0	0	1	0	1	0	0
## 46	0	0	1	0	1	0	0
## 47	0	0	1	0	1	0	0
## 48	0.10000002	0	1	0	1	0	0
## 49	<NA>	<NA>	0	0	2	1	0
## 50	0.5	0	0	0	1	0	0
## 51	1	0.5	0	0	3	1	1
## 52	0	0	1	0	1	0	0
## 54	1.5	1	1	0	2	1	0
## 55	0	0	0	0	1	0	0
## 56	0.20000005	0	0	0	1	0	0
## 57	0.29999995	0	1	0	1	0	0
## 58	0	0	1	0	1	0	0
## 59	0	0	1	0	1	0	0
## 60	0.029999971	0	1	0	1	0	0
## 62	0.5	0	0	0	1	0	0
## 65	0	0	1	0	2	1	0
## 67	0	0	1	0	2	1	0
## 68	0.10000002	0	1	0	1	0	0
## 69	0	0	1	0	1	0	0
## 70	0	0	1	0	1	0	0
## 71	0	0	1	0	1	0	0
## 72	0	0	0	0	1	0	0
## 73	0	0	0	0	1	0	0
## 74	0.29999995	0	0	0	1	0	0
## 75	0	0	1	0	2	1	0
## 76	0	0	1	0	1	0	0
## 77	0.60000002	0.10000002	1	0	1	0	0
## 79	0	0	1	0	1	0	0
## 80	0.14999998	0	0	0	1	0	0
## 81	0	0	1	0	1	0	0
## 83	0.10000002	0	1	0	1	0	0
## 87	0.20000005	0	1	0	2	1	0
## 88	0.19000006	0	0	0	1	0	0
## 89	0	0	1	0	1	0	0
## 90	0.10000002	0	0	0	1	0	0
## 91	0	0	1	0	1	0	0
## 92	0.10000002	0	0	0	1	0	0
## 93	0.10000002	0	1	0	1	0	0
## 94	0.20000005	0	1	0	1	0	0

## 95	0	0	1	0	1	0	0
## 96	0.39999998	0	0	0	1	0	0
## 97	0.0099999905	0	1	0	1	0	0
## 98	0.10000002	0	0	0	1	0	0
## 99	0.20000005	0	1	0	1	0	0
## 100	0.70000005	0.20000005	1	0	1	0	0
## 101	0	0	1	0	1	0	0
## 102	0	0	0	0	1	0	0
## 103	0	0	1	0	1	0	0
## 105	0.5	0	0	0	1	0	0
## 107	0.5	0	1	0	2	1	0
## 108	0.10000002	0	1	0	1	0	0
## 109	0.10000002	0	1	0	1	0	0
## 110	0.70000005	0.20000005	0	0	2	1	0
## 112	0	0	1	0	1	0	0
## 113	0.10000002	0	0	0	1	0	0
## 116	0	0	1	0	2	1	0
## 118	0.10000002	0	0	0	1	0	0
## 119	0.10000002	0	0	0	1	0	0
## 120	0.10000002	0	0	0	1	0	0
## 121	0	0	0	0	1	0	0
## 122	0	0	1	0	1	0	0
## 123	0.20000005	0	0	0	1	0	0
## 124	0.10000002	0	1	0	1	0	0
## 125	0.20000005	0	0	0	1	0	0
## 126	0	0	0	0	2	1	0
## 127	0	0	1	0	1	0	0
## 128	0	0	1	0	1	0	0
## 129	0	0	1	0	1	0	0
## 131	<NA>	<NA>	0	0	2	1	0
## 132	0	0	0	0	2	1	0
## 134	0.29999995	0	1	0	2	1	0
## 136	0.29999995	0	0	0	1	0	0
## 137	0.20000005	0	1	0	2	1	0
## 139	<NA>	<NA>	1	0	2	1	0
## 140	0	0	0	0	1	0	0
## 141	0	0	0	0	1	0	0
## 142	0	0	1	0	1	0	0
## 144	0	0	1	0	2	1	0
## 146	0	0	1	0	1	0	0
## 147	0	0	1	0	1	0	0
## 148	0	0	1	0	1	0	0
## 149	0.39999998	0	0	0	1	0	0
## 150	0.20000005	0	0	0	1	0	0
## 151	0.89999998	0.39999998	1	0	3	1	1
## 154	0.10000002	0	0	0	2	1	0
## 155	0	0	1	0	2	1	0
## 156	0	0	1	0	1	0	0
## 157	0.29999995	0	1	0	1	0	0
## 158	0	0	1	0	1	0	0
## 159	0.89999998	0.39999998	1	0	1	0	0
## 160	0.20000005	0	0	0	2	1	0
## 161	0	0	1	0	1	0	0
## 162	0	0	1	0	1	0	0

## 163	0.20000005	0	1	0	3	1	1
## 164	0	0	1	0	1	0	0
## 166	0	0	0	0	2	1	0
## 167	0.20000005	0	0	0	2	1	0
## 168	0	0	1	0	1	0	0
## 169	0.10000002	0	1	0	2	1	0
## 170	0	0	1	0	2	1	0
## 171	0	0	1	0	1	0	0
## 172	0.20000005	0	1	0	1	0	0
## 174	0.20000005	0	1	1	2	1	0
## 175	0	0	1	0	1	0	0
## 176	0	0	1	0	1	0	0
## 177	0.10000002	0	1	0	1	0	0
## 179	0	0	0	0	1	0	0
## 180	0.29999995	0	1	0	1	0	0
## 181	0	0	1	0	2	1	0
## 183	0.60000002	0.10000002	1	0	3	1	1
## 184	0	0	0	0	2	1	0
## 185	0	0	0	0	2	1	0
## 186	0	0	0	0	1	0	0
## 188	0.20000005	0	0	0	1	0	0
## 190	0	0	1	1	1	0	0
## 193	0	0	1	0	1	0	0
## 194	0.60000002	0.10000002	1	0	1	0	0
## 195	0	0	1	0	1	0	0
## 196	3.4000001	2.9000001	1	0	3	1	1
## 198	0.10000002	0	1	0	1	0	0
## 199	0.37	0	1	0	3	1	1
## 200	0.10000002	0	0	0	1	0	0
## 202	0.5	0	1	0	3	1	1
## 203	0.20000005	0	1	0	1	0	0
## 204	0	0	1	0	1	0	0
## 205	0	0	1	0	2	1	0
## 206	0	0	1	0	2	1	0
## 209	0.20000005	0	1	0	1	0	0
## 210	0	0	1	0	2	1	0
## 211	0	0	1	0	2	1	0
## 212	0	0	1	0	1	0	0
## 214	0.20000005	0	1	0	1	0	0
## 215	0	0	1	0	1	0	0
## 216	0.29999995	0	1	0	2	1	0
## 217	0.39999998	0	1	0	1	0	0
## 218	0	0	1	0	2	1	0
## 220	0.29999995	0	0	0	2	1	0
## 222	0	0	0	0	1	0	0
## 223	0.20000005	0	1	0	1	0	0
## 224	0	0	1	0	1	0	0
## 225	0.10000002	0	0	0	3	1	1
## 226	0.10000002	0	1	0	1	0	0
## 227	0	0	1	0	2	1	0
## 228	0	0	1	0	1	0	0
## 229	0.20000005	0	0	0	2	1	0
## 230	0	0	1	0	1	0	0
## 231	0	0	1	0	3	1	1

## 232	0	0	1	0	1	0	0
## 233	0	0	0	0	3	1	1
## 234	0.5	0	0	0	3	1	1
## 236	0	0	1	1	2	1	0
## 238	0	0	1	0	2	1	0
## 239	0	0	0	0	1	0	0
##	dm3cat_21_2	dm3cat_22_2	pci_ta	efvalue_r	ef50_neg_r	ef50_neg_d_r	
## 1	0	0	0	60	0	1	
## 2	0	0	0	37	13	3	
## 3	1	0	0	52	0	1	
## 4	1	0	0	60	0	1	
## 5	0	0	0	60	0	1	
## 6	0	0	0	63	0	1	
## 7	0	0	0	40	10	2	
## 8	0	0	0	50	0	1	
## 10	0	0	0	65	0	1	
## 11	0	0	0	35	15	3	
## 12	0	0	0	60	0	1	
## 13	0	0	0	70	0	1	
## 14	0	0	0	60	0	1	
## 16	1	1	0	65	0	1	
## 17	0	0	0	50	0	1	
## 18	0	0	0	60	0	1	
## 19	1	0	0	50	0	1	
## 20	0	0	0	70	0	1	
## 21	1	0	0	40	10	2	
## 23	1	0	0	50	0	1	
## 25	1	0	0	25	25	4	
## 26	1	1	0	47	3	2	
## 27	1	0	0	60	0	1	
## 28	1	0	0	57	0	1	
## 29	0	0	0	48	2	2	
## 30	1	1	0	50	0	1	
## 33	0	0	0	57	0	1	
## 34	0	0	0	52	0	1	
## 35	0	0	1	60	0	1	
## 36	0	0	0	55	0	1	
## 37	1	0	0	55	0	1	
## 38	0	0	0	55	0	1	
## 39	1	0	0	60	0	1	
## 40	1	0	0	60	0	1	
## 41	0	0	0	72	0	1	
## 43	0	0	0	68	0	1	
## 44	0	0	0	65	0	1	
## 45	0	0	0	65	0	1	
## 46	0	0	0	74	0	1	
## 47	0	0	0	50	0	1	
## 48	0	0	0	54	0	1	
## 49	1	0	0	55	0	1	
## 50	0	0	0	39	11	3	
## 51	1	1	0	45	5	2	
## 52	0	0	0	60	0	1	
## 54	1	0	0	60	0	1	
## 55	0	0	0	65	0	1	

## 56	0	0	0	40	10	2
## 57	0	0	0	60	0	1
## 58	0	0	0	51	0	1
## 59	0	0	0	65	0	1
## 60	0	0	0	55	0	1
## 62	0	0	0	55	0	1
## 65	1	0	0	55	0	1
## 67	1	0	0	60	0	1
## 68	0	0	0	54	0	1
## 69	0	0	1	54	0	1
## 70	0	0	0	55	0	1
## 71	0	0	0	44	6	2
## 72	0	0	0	50	0	1
## 73	0	0	0	60	0	1
## 74	0	0	0	50	0	1
## 75	1	0	0	70	0	1
## 76	0	0	0	60	0	1
## 77	0	0	0	57	0	1
## 79	0	0	0	53	0	1
## 80	0	0	0	65	0	1
## 81	0	0	0	55	0	1
## 83	0	0	0	65	0	1
## 87	1	0	0	45	5	2
## 88	0	0	0	60	0	1
## 89	0	0	0	45	5	2
## 90	0	0	0	60	0	1
## 91	0	0	0	30	20	3
## 92	0	0	0	70	0	1
## 93	0	0	0	35	15	3
## 94	0	0	0	60	0	1
## 95	0	0	0	60	0	1
## 96	0	0	0	55	0	1
## 97	0	0	0	60	0	1
## 98	0	0	0	60	0	1
## 99	0	0	0	60	0	1
## 100	0	0	0	55	0	1
## 101	0	0	0	60	0	1
## 102	0	0	0	50	0	1
## 103	0	0	0	65	0	1
## 105	0	0	0	68	0	1
## 107	1	0	0	55	0	1
## 108	0	0	0	60	0	1
## 109	0	0	0	60	0	1
## 110	1	0	0	57	0	1
## 112	0	0	0	65	0	1
## 113	0	0	0	45	5	2
## 116	1	0	0	55	0	1
## 118	0	0	0	53	0	1
## 119	0	0	0	60	0	1
## 120	0	0	0	60	0	1
## 121	0	0	0	57	0	1
## 122	0	0	0	55	0	1
## 123	0	0	0	51	0	1
## 124	0	0	0	50	0	1

## 125	0	0	0	55	0	1
## 126	1	0	0	65	0	1
## 127	0	0	0	55	0	1
## 128	0	0	0	50	0	1
## 129	0	0	0	55	0	1
## 131	1	0	0	60	0	1
## 132	1	0	0	35	15	3
## 134	1	0	0	55	0	1
## 136	0	0	0	60	0	1
## 137	1	0	0	60	0	1
## 139	1	0	0	55	0	1
## 140	0	0	0	40	10	2
## 141	0	0	0	63	0	1
## 142	0	0	0	38	12	3
## 144	1	0	0	32	18	3
## 146	0	0	0	50	0	1
## 147	0	0	0	60	0	1
## 148	0	0	0	50	0	1
## 149	0	0	0	46	4	2
## 150	0	0	0	60	0	1
## 151	1	1	0	65	0	1
## 154	1	0	0	52	0	1
## 155	1	0	0	60	0	1
## 156	0	0	0	70	0	1
## 157	0	0	0	40	10	2
## 158	0	0	0	60	0	1
## 159	0	0	0	50	0	1
## 160	1	0	0	55	0	1
## 161	0	0	0	35	15	3
## 162	0	0	0	60	0	1
## 163	1	1	0	65	0	1
## 164	0	0	0	50	0	1
## 166	1	0	0	55	0	1
## 167	1	0	0	61	0	1
## 168	0	0	0	60	0	1
## 169	1	0	0	24	26	4
## 170	1	0	0	45	5	2
## 171	0	0	0	60	0	1
## 172	0	0	0	60	0	1
## 174	1	0	0	47	3	2
## 175	0	0	0	45	5	2
## 176	0	0	0	65	0	1
## 177	0	0	0	55	0	1
## 179	0	0	0	75	0	1
## 180	0	0	0	51	0	1
## 181	1	0	0	45	5	2
## 183	1	1	0	42	8	2
## 184	1	0	0	72	0	1
## 185	1	0	0	60	0	1
## 186	0	0	0	55	0	1
## 188	0	0	0	50	0	1
## 190	0	0	0	59	0	1
## 193	0	0	0	45	5	2
## 194	0	0	0	60	0	1

## 195	0	0	0	45	5	2
## 196	1	1	0	35	15	3
## 198	0	0	1	55	0	1
## 199	1	1	0	45	5	2
## 200	0	0	0	60	0	1
## 202	1	1	0	45	5	2
## 203	0	0	0	40	10	2
## 204	0	0	0	60	0	1
## 205	1	0	0	65	0	1
## 206	1	0	0	65	0	1
## 209	0	0	0	60	0	1
## 210	1	0	0	60	0	1
## 211	1	0	0	30	20	3
## 212	0	0	0	60	0	1
## 214	0	0	0	60	0	1
## 215	0	0	0	60	0	1
## 216	1	0	0	60	0	1
## 217	0	0	0	55	0	1
## 218	1	0	0	40	10	2
## 220	1	0	0	39	11	3
## 222	0	0	0	55	0	1
## 223	0	0	0	65	0	1
## 224	0	0	0	47	3	2
## 225	1	1	0	60	0	1
## 226	0	0	0	30	20	3
## 227	1	0	0	50	0	1
## 228	0	0	0	45	5	2
## 229	1	0	0	68	0	1
## 230	0	0	0	60	0	1
## 231	1	1	0	50	0	1
## 232	0	0	0	70	0	1
## 233	1	1	0	65	0	1
## 234	1	1	0	40	10	2
## 236	1	0	0	39	11	3
## 238	1	0	0	70	0	1
## 239	0	0	0	65	0	1
##	atfibyn_2_r	priormi_r	priormi_21_r	priormi_22_r	priormi_23_r	priormi_24_r
## 1	0	0	0	0	0	0
## 2	0	4	1	1	1	1
## 3	0	0	0	0	0	0
## 4	0	0	0	0	0	0
## 5	0	4	1	1	1	1
## 6	0	0	0	0	0	0
## 7	0	0	0	0	0	0
## 8	0	0	0	0	0	0
## 10	0	0	0	0	0	0
## 11	0	0	0	0	0	0
## 12	0	0	0	0	0	0
## 13	0	0	0	0	0	0
## 14	0	0	0	0	0	0
## 16	0	4	1	1	1	1
## 17	0	3	1	1	1	0
## 18	0	0	0	0	0	0
## 19	0	4	1	1	1	1

## 20	0	0	0	0	0	0
## 21	1	3	1	1	1	0
## 23	0	2	1	1	0	0
## 25	0	3	1	1	1	0
## 26	0	0	0	0	0	0
## 27	0	0	0	0	0	0
## 28	0	0	0	0	0	0
## 29	0	0	0	0	0	0
## 30	0	0	0	0	0	0
## 33	0	2	1	1	0	0
## 34	0	0	0	0	0	0
## 35	0	0	0	0	0	0
## 36	0	4	1	1	1	1
## 37	0	0	0	0	0	0
## 38	0	0	0	0	0	0
## 39	0	0	0	0	0	0
## 40	0	0	0	0	0	0
## 41	0	0	0	0	0	0
## 43	0	0	0	0	0	0
## 44	0	0	0	0	0	0
## 45	0	0	0	0	0	0
## 46	1	0	0	0	0	0
## 47	0	2	1	1	0	0
## 48	0	0	0	0	0	0
## 49	0	4	1	1	1	1
## 50	0	0	0	0	0	0
## 51	0	3	1	1	1	0
## 52	0	4	1	1	1	1
## 54	0	4	1	1	1	1
## 55	1	0	0	0	0	0
## 56	0	4	1	1	1	1
## 57	0	0	0	0	0	0
## 58	0	4	1	1	1	1
## 59	0	4	1	1	1	1
## 60	0	0	0	0	0	0
## 62	0	4	1	1	1	1
## 65	0	2	1	1	0	0
## 67	1	2	1	1	0	0
## 68	0	2	1	1	0	0
## 69	0	2	1	1	0	0
## 70	0	0	0	0	0	0
## 71	1	2	1	1	0	0
## 72	0	0	0	0	0	0
## 73	0	0	0	0	0	0
## 74	0	0	0	0	0	0
## 75	1	4	1	1	1	1
## 76	0	0	0	0	0	0
## 77	0	0	0	0	0	0
## 79	0	2	1	1	0	0
## 80	0	0	0	0	0	0
## 81	0	4	1	1	1	1
## 83	0	0	0	0	0	0
## 87	0	3	1	1	1	0
## 88	0	0	0	0	0	0

## 89	0	0	0	0	0	0
## 90	0	0	0	0	0	0
## 91	0	0	0	0	0	0
## 92	0	3	1	1	1	0
## 93	1	3	1	1	1	0
## 94	0	2	1	1	0	0
## 95	0	0	0	0	0	0
## 96	0	0	0	0	0	0
## 97	0	0	0	0	0	0
## 98	0	0	0	0	0	0
## 99	0	0	0	0	0	0
## 100	0	4	1	1	1	1
## 101	0	0	0	0	0	0
## 102	0	3	1	1	1	0
## 103	0	0	0	0	0	0
## 105	0	4	1	1	1	1
## 107	0	0	0	0	0	0
## 108	0	0	0	0	0	0
## 109	0	0	0	0	0	0
## 110	0	0	0	0	0	0
## 112	0	0	0	0	0	0
## 113	0	4	1	1	1	1
## 116	0	2	1	1	0	0
## 118	0	4	1	1	1	1
## 119	0	0	0	0	0	0
## 120	0	4	1	1	1	1
## 121	0	0	0	0	0	0
## 122	0	0	0	0	0	0
## 123	0	0	0	0	0	0
## 124	0	2	1	1	0	0
## 125	0	0	0	0	0	0
## 126	0	0	0	0	0	0
## 127	0	0	0	0	0	0
## 128	0	0	0	0	0	0
## 129	0	0	0	0	0	0
## 131	0	0	0	0	0	0
## 132	0	4	1	1	1	1
## 134	0	0	0	0	0	0
## 136	0	0	0	0	0	0
## 137	0	2	1	1	0	0
## 139	0	0	0	0	0	0
## 140	0	0	0	0	0	0
## 141	0	0	0	0	0	0
## 142	0	0	0	0	0	0
## 144	0	2	1	1	0	0
## 146	0	2	1	1	0	0
## 147	0	2	1	1	0	0
## 148	0	2	1	1	0	0
## 149	0	2	1	1	0	0
## 150	1	0	0	0	0	0
## 151	0	0	0	0	0	0
## 154	0	0	0	0	0	0
## 155	0	0	0	0	0	0
## 156	0	2	1	1	0	0

## 157	0	4	1	1	1	1
## 158	0	2	1	1	0	0
## 159	0	3	1	1	1	0
## 160	0	4	1	1	1	1
## 161	0	0	0	0	0	0
## 162	0	4	1	1	1	1
## 163	0	0	0	0	0	0
## 164	1	0	0	0	0	0
## 166	0	2	1	1	0	0
## 167	0	0	0	0	0	0
## 168	0	2	1	1	0	0
## 169	0	2	1	1	0	0
## 170	0	0	0	0	0	0
## 171	0	0	0	0	0	0
## 172	0	0	0	0	0	0
## 174	0	1	1	0	0	0
## 175	0	3	1	1	1	0
## 176	0	0	0	0	0	0
## 177	0	4	1	1	1	1
## 179	0	0	0	0	0	0
## 180	0	3	1	1	1	0
## 181	0	2	1	1	0	0
## 183	1	3	1	1	1	0
## 184	0	0	0	0	0	0
## 185	0	0	0	0	0	0
## 186	0	0	0	0	0	0
## 188	1	4	1	1	1	1
## 190	0	0	0	0	0	0
## 193	0	0	0	0	0	0
## 194	1	3	1	1	1	0
## 195	0	2	1	1	0	0
## 196	0	3	1	1	1	0
## 198	0	4	1	1	1	1
## 199	0	0	0	0	0	0
## 200	0	0	0	0	0	0
## 202	0	0	0	0	0	0
## 203	0	2	1	1	0	0
## 204	0	3	1	1	1	0
## 205	0	0	0	0	0	0
## 206	0	4	1	1	1	1
## 209	0	4	1	1	1	1
## 210	0	0	0	0	0	0
## 211	0	4	1	1	1	1
## 212	0	0	0	0	0	0
## 214	0	3	1	1	1	0
## 215	0	0	0	0	0	0
## 216	1	2	1	1	0	0
## 217	0	0	0	0	0	0
## 218	0	2	1	1	0	0
## 220	1	4	1	1	1	1
## 222	0	4	1	1	1	1
## 223	0	2	1	1	0	0
## 224	0	0	0	0	0	0
## 225	0	0	0	0	0	0

## 226	0	0	0	0	0	0	0		
## 227	0	0	0	0	0	0	0		
## 228	0	4	1	1	1	1	1		
## 229	0	0	0	0	0	0	0		
## 230	0	0	0	0	0	0	0		
## 231	0	0	0	0	0	0	0		
## 232	0	3	1	1	1	1	0		
## 233	0	0	0	0	0	0	0		
## 234	0	4	1	1	1	1	1		
## 236	0	2	1	1	0	0	0		
## 238	0	0	0	0	0	0	0		
## 239	1	0	0	0	0	0	0		
##	age_r	age_d_r	ua_r	ua_nmi7_r	chf_r	chf2cat_r	rf_r	creatpre_2_r	rf_1_r
## 1	74.105408	8	1	1	0	0	0	1.5	0
## 2	69.026695	7	1	1	0	0	0	1.2	0
## 3	64.709106	7	0	0	0	0	0	1.2	0
## 4	73.535934	8	0	0	0	0	0	0.89999998	0
## 5	77.349762	8	1	1	0	0	0	1.1	0
## 6	67.123886	7	1	1	0	0	0	0.89999998	0
## 7	64.525665	7	1	1	0	0	0	0.80000001	0
## 8	59.151268	6	1	1	0	0	0	1.2	0
## 10	74.642029	8	0	0	0	0	0	1.1	0
## 11	25.878166	3	0	0	1	1	0	1	0
## 12	77.987679	8	1	1	0	0	0	1.1	0
## 13	68.481865	7	0	0	0	0	0	1.4	0
## 14	51.893223	6	1	1	0	0	0	1	0
## 16	74.488708	8	0	0	0	0	0	1.5	0
## 17	68.695412	7	0	0	0	0	0	<NA>	0
## 18	58.373718	6	1	1	0	0	0	1.1	0
## 19	63.537304	7	0	0	0	0	0	1.2	0
## 20	71.290894	8	1	1	0	0	0	1.1	0
## 21	73.314171	8	1	1	1	1	0	0.80000001	0
## 23	77.719368	8	0	0	1	1	0	1	0
## 25	53.483913	6	1	1	4	1	0	2.4000001	0
## 26	70.729637	8	0	0	0	0	0	1.7	0
## 27	67.586586	7	0	0	0	0	0	<NA>	0
## 28	78.132782	8	0	0	0	0	0	1.1	0
## 29	58.91581	6	0	0	0	0	0	0.80000001	0
## 30	76.900749	8	1	1	0	0	0	1	0
## 33	82.762489	9	1	0	0	0	0	1.2	0
## 34	65.273102	7	0	0	0	0	0	0.89999998	0
## 35	72.919914	8	0	0	0	0	0	0.69999999	0
## 36	60.501026	7	1	1	0	0	0	0.89999998	0
## 37	61.451061	7	1	1	0	0	0	0.80000001	0
## 38	68.410675	7	1	1	0	0	0	1	0
## 39	71.939766	8	1	1	0	0	0	0.89999998	0
## 40	76.9692	8	0	0	0	0	0	1.9	0
## 41	69.598907	7	0	0	0	0	0	1	0
## 43	63.233402	7	0	0	0	0	0	1.2	0
## 44	71.017113	8	0	0	0	0	0	1.16	0
## 45	59.017113	6	0	0	0	0	0	0.89999998	0
## 46	78.921288	8	1	1	0	0	0	1	0
## 47	71.441475	8	0	0	0	0	0	0.80000001	0
## 48	61.459274	7	1	1	0	0	0	1.1	0

## 49	83.318275	9	0	0	0	0	0	<NA>	0
## 50	57.486652	6	0	0	0	0	0	1.5	0
## 51	71.080086	8	1	1	2	1	0	2	0
## 52	67.296371	7	1	1	0	0	0	1	0
## 54	72.646133	8	1	1	0	0	0	2.5	0
## 55	60.774811	7	0	0	0	0	0	0.80000001	0
## 56	85.292267	9	1	1	0	0	0	1.2	0
## 57	73.579742	8	1	1	0	0	0	1.3	0
## 58	64.377823	7	0	0	0	0	0	0.89999998	0
## 59	62.548939	7	0	0	0	0	0	0.80000001	0
## 60	54.502396	6	0	0	0	0	0	1.03	0
## 62	69.691994	7	0	0	0	0	0	1.5	0
## 65	56.008213	6	0	0	0	0	0	1	0
## 67	63.167694	7	1	0	0	0	0	0.89999998	0
## 68	72.772072	8	1	0	0	0	0	1.1	0
## 69	51.077343	6	1	0	0	0	0	1	0
## 70	62.529774	7	0	0	0	0	0	1	0
## 71	49.524982	5	1	0	0	0	0	0.89999998	0
## 72	78.017799	8	0	0	0	0	0	1	0
## 73	68.728271	7	0	0	0	0	0	1	0
## 74	71.025322	8	0	0	0	0	0	1.3	0
## 75	55.874058	6	1	1	0	0	0	0.89999998	0
## 76	79.77002	8	1	1	0	0	0	0.69999999	0
## 77	83.627655	9	1	1	0	0	0	1.6	0
## 79	63.33744	7	1	0	1	1	0	1	0
## 80	57.103355	6	0	0	0	0	0	1.15	0
## 81	54.280628	6	1	1	0	0	0	1	0
## 83	73.552361	8	1	1	0	0	0	1.1	0
## 87	68.974678	7	0	0	0	0	0	1.2	0
## 88	68.689941	7	0	0	0	0	0	1.1900001	0
## 89	74.179329	8	1	1	0	0	0	0.60000002	0
## 90	57.856262	6	1	1	0	0	0	1.1	0
## 91	52.290211	6	1	1	0	0	0	0.80000001	0
## 92	61.489391	7	0	0	0	0	0	1.1	0
## 93	83.926079	9	1	1	4	1	0	1.1	0
## 94	61.913757	7	1	0	0	0	0	1.2	0
## 95	58.505135	6	0	0	0	0	0	1	0
## 96	78.79261	8	0	0	0	0	0	1.4	0
## 97	74.967827	8	0	0	0	0	0	1.01	0
## 98	50.020535	6	0	0	0	0	0	1.1	0
## 99	67.115677	7	0	0	0	0	0	1.2	0
## 100	60.098564	7	0	0	0	0	0	1.7	0
## 101	56.295689	6	1	1	0	0	0	0.89999998	0
## 102	46.362766	5	0	0	0	0	0	0.80000001	0
## 103	57.059547	6	0	0	0	0	0	0.80000001	0
## 105	52.536617	6	0	0	0	0	0	1.5	0
## 107	77.259415	8	0	0	0	0	0	1.5	0
## 108	83.876793	9	0	0	0	0	0	1.1	0
## 109	83.356606	9	1	1	0	0	0	1.1	0
## 110	62.360027	7	0	0	0	0	0	1.7	0
## 112	57.697468	6	0	0	0	0	0	0.95999998	0
## 113	67.868584	7	0	0	0	0	0	1.1	0
## 116	60.536617	7	1	0	0	0	0	0.89999998	0
## 118	82.09446	9	0	0	0	0	0	1.1	0

## 119	68.873375	7	0	0	0	0	0	1.1	0
## 120	59.679672	6	1	1	0	0	0	1.1	0
## 121	71.660507	8	0	0	0	0	0	0.80000001	0
## 122	72.438057	8	1	1	0	0	0	1	0
## 123	67.843941	7	1	1	0	0	0	1.2	0
## 124	75.348389	8	1	0	0	0	0	1.1	0
## 125	59.310062	6	0	0	0	0	0	1.2	0
## 126	60.563995	7	0	0	0	0	0	1	0
## 127	59.66872	6	1	1	0	0	0	0.80000001	0
## 128	59.863106	6	1	1	0	0	0	1	0
## 129	57.374401	6	0	0	0	0	0	0.89999998	0
## 131	58.554417	6	0	0	0	0	0	<NA>	0
## 132	65.160851	7	0	0	0	0	0	0.80000001	0
## 134	69.445587	7	0	0	0	0	0	1.3	0
## 136	51.419575	6	1	1	0	0	0	1.3	0
## 137	70.75428	8	0	0	0	0	0	1.2	0
## 139	65.675568	7	1	1	0	0	0	<NA>	0
## 140	66.587273	7	0	0	0	0	0	0.80000001	0
## 141	56.134155	6	1	1	0	0	0	0.89999998	0
## 142	49.689255	5	1	1	0	0	0	0.69999999	0
## 144	72.988365	8	0	0	0	0	0	1	0
## 146	64.396988	7	1	0	0	0	0	0.69999999	0
## 147	47.206024	5	1	0	0	0	0	0.80000001	0
## 148	70.29158	8	0	0	0	0	0	1	0
## 149	64.470909	7	0	0	0	0	0	1.4	0
## 150	80.183434	9	1	1	0	0	0	1.2	0
## 151	66.847366	7	1	1	0	0	0	1.9	0
## 154	65.902809	7	0	0	0	0	0	1.1	0
## 155	63.383984	7	0	0	0	0	0	0.80000001	0
## 156	59.370293	6	1	0	0	0	0	0.80000001	0
## 157	58.644764	6	0	0	0	0	0	1.3	0
## 158	72.610542	8	0	0	0	0	0	1	0
## 159	76.722794	8	0	0	0	0	0	1.9	0
## 160	64.473648	7	1	1	0	0	0	1.2	0
## 161	76.53936	8	1	1	0	0	0	0.89999998	0
## 162	52.941822	6	1	1	0	0	0	1	0
## 163	74.275154	8	1	1	0	0	0	1.2	0
## 164	78.302536	8	1	1	0	0	0	1	0
## 166	56.232716	6	0	0	0	0	0	1	0
## 167	52.175224	6	0	0	0	0	0	1.2	0
## 168	80.821358	9	1	0	0	0	0	0.80000001	0
## 169	62.516087	7	1	0	0	0	0	1.1	0
## 170	77.754959	8	1	1	0	0	0	0.89999998	0
## 171	61.464748	7	1	1	0	0	0	0.89999998	0
## 172	54.965092	6	0	0	0	0	0	1.2	0
## 174	75.687881	8	1	0	0	0	0	1.2	0
## 175	46.721424	5	0	0	0	0	0	0.80000001	0
## 176	64.377823	7	1	1	0	0	0	1	0
## 177	74.425735	8	1	1	0	0	0	1.1	0
## 179	64.668037	7	0	0	0	0	0	0.89999998	0
## 180	60.720055	7	1	1	0	0	0	1.3	0
## 181	60.134155	7	0	0	0	0	0	0.89999998	0
## 183	72.219025	8	1	1	0	0	0	1.6	0
## 184	63.195072	7	0	0	0	0	0	0.89999998	0

## 185	63.342915	7	1	1	0	0	0	0.89999998	0
## 186	55.457905	6	1	1	0	0	0	0.89999998	0
## 188	75.504448	8	1	1	0	0	0	1.2	0
## 190	47.225189	5	1	1	0	0	0	0.69999999	0
## 193	70.965096	8	0	0	0	0	0	0.80000001	0
## 194	75.06913	8	0	0	0	0	0	1.6	0
## 195	77.352501	8	1	0	0	0	0	0.80000001	0
## 196	52.043804	6	0	0	4	1	0	4.4000001	0
## 198	48.432579	5	1	1	0	0	0	1.1	0
## 199	54.948666	6	0	0	1	1	0	1.37	0
## 200	56.421631	6	0	0	0	0	0	1.1	0
## 202	70.79808	8	1	1	0	0	0	1.5	0
## 203	84.27652	9	0	0	0	0	0	1.2	0
## 204	61.897331	7	1	1	0	0	0	0.80000001	0
## 205	57.700207	6	1	1	0	0	0	0.89999998	0
## 206	64.106773	7	0	0	0	0	0	0.69999999	0
## 209	43.597534	5	0	0	0	0	0	1.2	0
## 210	75.088295	8	1	1	0	0	0	0.89999998	0
## 211	49.549625	5	0	0	0	0	0	1	0
## 212	79.841202	8	1	1	0	0	0	0.89999998	0
## 214	65.251198	7	1	1	0	0	0	1.2	0
## 215	56.9911	6	1	1	0	0	0	1	0
## 216	66.913071	7	0	0	0	0	0	1.3	0
## 217	50.817249	6	1	1	0	0	0	1.4	0
## 218	60.807667	7	1	0	0	0	0	0.89999998	0
## 220	77.368927	8	0	0	0	0	0	1.3	0
## 222	68.654343	7	1	1	0	0	0	1	0
## 223	53.702942	6	1	0	0	0	0	1.2	0
## 224	73.779602	8	1	1	0	0	0	0.89999998	0
## 225	60.451744	7	1	1	0	0	0	1.1	0
## 226	61.409992	7	0	0	0	0	0	1.1	0
## 227	79.233398	8	1	1	0	0	0	0.69999999	0
## 228	58.483231	6	1	1	0	0	0	0.80000001	0
## 229	52.046543	6	0	0	0	0	0	1.2	0
## 230	63.485283	7	1	1	0	0	0	0.69999999	0
## 231	71.340179	8	1	1	0	0	0	0.89999998	0
## 232	61.210129	7	1	1	0	0	0	0.89999998	0
## 233	62.433949	7	0	0	0	0	0	0.89999998	0
## 234	49.00753	5	0	0	0	0	0	1.5	0
## 236	51.405888	6	1	0	1	1	0	0.89999998	0
## 238	58.017796	6	0	0	0	0	0	1	0
## 239	49.207394	5	0	0	0	0	0	0.98000002	0
##	rf_2_r	rf_3_r	priority_r	priority_21_r	priority_22_r	sex_r			
## 1	0.5	0	1	1	1	0			
## 2	0.20000005	0	3	0	0	0			
## 3	0.20000005	0	3	0	0	0			
## 4	0	0	2	1	0	0			
## 5	0.10000002	0	3	0	0	0			
## 6	0	0	3	0	0	0			
## 7	0	0	2	1	0	0			
## 8	0.20000005	0	3	0	0	0			
## 10	0.10000002	0	2	1	0	0			
## 11	0	0	2	1	0	0			
## 12	0.10000002	0	3	0	0	0			

## 13	0.39999998	0	2	1	0	0
## 14	0	0	2	1	0	0
## 16	0.5	0	2	1	0	0
## 17	0	0	3	0	0	0
## 18	0.10000002	0	3	0	0	0
## 19	0.20000005	0	2	1	0	0
## 20	0.10000002	0	3	0	0	0
## 21	0	0	2	1	0	0
## 23	0	0	2	1	0	0
## 25	1.4000001	0.9000001	2	1	0	0
## 26	0.70000005	0.20000005	2	1	0	0
## 27	0	0	3	0	0	0
## 28	0.10000002	0	3	0	0	0
## 29	0	0	3	0	0	0
## 30	0	0	3	0	0	0
## 33	0.20000005	0	2	1	0	0
## 34	0	0	3	0	0	0
## 35	0	0	2	1	0	0
## 36	0	0	2	1	0	0
## 37	0	0	2	1	0	0
## 38	0	0	2	1	0	0
## 39	0	0	2	1	0	0
## 40	0.89999998	0.39999998	3	0	0	0
## 41	0	0	3	0	0	0
## 43	0.20000005	0	3	0	0	0
## 44	0.15999997	0	2	1	0	0
## 45	0	0	2	1	0	0
## 46	0	0	2	1	0	0
## 47	0	0	2	1	0	0
## 48	0.10000002	0	2	1	0	0
## 49	0	0	3	0	0	0
## 50	0.5	0	3	0	0	0
## 51	1	0.5	3	0	0	0
## 52	0	0	2	1	0	0
## 54	1.5	1	2	1	0	0
## 55	0	0	3	0	0	0
## 56	0.20000005	0	3	0	0	0
## 57	0.29999995	0	2	1	0	0
## 58	0	0	2	1	0	0
## 59	0	0	2	1	0	0
## 60	0.029999971	0	2	1	0	0
## 62	0.5	0	3	0	0	0
## 65	0	0	2	1	0	0
## 67	0	0	2	1	0	0
## 68	0.10000002	0	2	1	0	0
## 69	0	0	2	1	0	0
## 70	0	0	2	1	0	0
## 71	0	0	2	1	0	0
## 72	0	0	3	0	0	0
## 73	0	0	3	0	0	0
## 74	0.29999995	0	3	0	0	0
## 75	0	0	2	1	0	0
## 76	0	0	2	1	0	0
## 77	0.60000002	0.10000002	2	1	0	0

## 79	0	0	2	1	0	0
## 80	0.14999998	0	3	0	0	0
## 81	0	0	2	1	0	0
## 83	0.10000002	0	2	1	0	0
## 87	0.20000005	0	2	1	0	0
## 88	0.19000006	0	3	0	0	0
## 89	0	0	2	1	0	0
## 90	0.10000002	0	3	0	0	0
## 91	0	0	2	1	0	0
## 92	0.10000002	0	3	0	0	0
## 93	0.10000002	0	2	1	0	0
## 94	0.20000005	0	2	1	0	0
## 95	0	0	2	1	0	0
## 96	0.39999998	0	3	0	0	0
## 97	0.0099999905	0	2	1	0	0
## 98	0.10000002	0	3	0	0	0
## 99	0.20000005	0	2	1	0	0
## 100	0.70000005	0.20000005	2	1	0	0
## 101	0	0	2	1	0	0
## 102	0	0	3	0	0	0
## 103	0	0	2	1	0	0
## 105	0.5	0	3	0	0	0
## 107	0.5	0	2	1	0	0
## 108	0.10000002	0	2	1	0	0
## 109	0.10000002	0	2	1	0	0
## 110	0.70000005	0.20000005	3	0	0	0
## 112	0	0	2	1	0	0
## 113	0.10000002	0	3	0	0	0
## 116	0	0	2	1	0	0
## 118	0.10000002	0	3	0	0	0
## 119	0.10000002	0	3	0	0	0
## 120	0.10000002	0	3	0	0	0
## 121	0	0	3	0	0	0
## 122	0	0	2	1	0	0
## 123	0.20000005	0	3	0	0	0
## 124	0.10000002	0	2	1	0	0
## 125	0.20000005	0	3	0	0	0
## 126	0	0	3	0	0	0
## 127	0	0	2	1	0	0
## 128	0	0	2	1	0	0
## 129	0	0	2	1	0	0
## 131	0	0	3	0	0	0
## 132	0	0	3	0	0	0
## 134	0.29999995	0	2	1	0	0
## 136	0.29999995	0	3	0	0	0
## 137	0.20000005	0	2	1	0	0
## 139	0	0	2	1	0	0
## 140	0	0	3	0	0	0
## 141	0	0	3	0	0	0
## 142	0	0	2	1	0	0
## 144	0	0	2	1	0	0
## 146	0	0	2	1	0	0
## 147	0	0	2	1	0	0
## 148	0	0	2	1	0	0

## 149	0.39999998	0	3	0	0	0
## 150	0.20000005	0	3	0	0	0
## 151	0.89999998	0.39999998	2	1	0	0
## 154	0.10000002	0	3	0	0	0
## 155	0	0	2	1	0	0
## 156	0	0	2	1	0	0
## 157	0.29999995	0	2	1	0	0
## 158	0	0	2	1	0	0
## 159	0.89999998	0.39999998	2	1	0	0
## 160	0.20000005	0	3	0	0	0
## 161	0	0	2	1	0	0
## 162	0	0	2	1	0	0
## 163	0.20000005	0	2	1	0	0
## 164	0	0	2	1	0	0
## 166	0	0	3	0	0	0
## 167	0.20000005	0	3	0	0	0
## 168	0	0	2	1	0	0
## 169	0.10000002	0	2	1	0	0
## 170	0	0	2	1	0	0
## 171	0	0	2	1	0	0
## 172	0.20000005	0	2	1	0	0
## 174	0.20000005	0	1	1	1	0
## 175	0	0	2	1	0	0
## 176	0	0	2	1	0	0
## 177	0.10000002	0	2	1	0	0
## 179	0	0	3	0	0	0
## 180	0.29999995	0	2	1	0	0
## 181	0	0	2	1	0	0
## 183	0.60000002	0.10000002	2	1	0	0
## 184	0	0	3	0	0	0
## 185	0	0	3	0	0	0
## 186	0	0	3	0	0	0
## 188	0.20000005	0	3	0	0	0
## 190	0	0	1	1	1	0
## 193	0	0	2	1	0	0
## 194	0.60000002	0.10000002	2	1	0	0
## 195	0	0	2	1	0	0
## 196	3.4000001	2.9000001	2	1	0	0
## 198	0.10000002	0	2	1	0	0
## 199	0.37	0	2	1	0	0
## 200	0.10000002	0	3	0	0	0
## 202	0.5	0	2	1	0	0
## 203	0.20000005	0	2	1	0	0
## 204	0	0	2	1	0	0
## 205	0	0	2	1	0	0
## 206	0	0	2	1	0	0
## 209	0.20000005	0	2	1	0	0
## 210	0	0	2	1	0	0
## 211	0	0	2	1	0	0
## 212	0	0	2	1	0	0
## 214	0.20000005	0	2	1	0	0
## 215	0	0	2	1	0	0
## 216	0.29999995	0	2	1	0	0
## 217	0.39999998	0	2	1	0	0

## 218	0	0	2	1	0	0		
## 220	0.29999995	0	3	0	0	0		
## 222	0	0	3	0	0	0		
## 223	0.20000005	0	2	1	0	0		
## 224	0	0	2	1	0	0		
## 225	0.10000002	0	3	0	0	0		
## 226	0.10000002	0	2	1	0	0		
## 227	0	0	2	1	0	0		
## 228	0	0	2	1	0	0		
## 229	0.20000005	0	3	0	0	0		
## 230	0	0	2	1	0	0		
## 231	0	0	2	1	0	0		
## 232	0	0	2	1	0	0		
## 233	0	0	3	0	0	0		
## 234	0.5	0	3	0	0	0		
## 236	0	0	1	1	1	0		
## 238	0	0	2	1	0	0		
## 239	0	0	3	0	0	0		
##	prcabg_r	copd_r	anydm_r	dmtr_r	dm3cat_r	dm3cat_21_r	dm3cat_22_r	iabppre_r
## 1	0	0	0	<NA>	1	0	0	0
## 2	0	1	0	<NA>	1	0	0	0
## 3	0	0	1	2	2	1	0	0
## 4	0	0	1	2	2	1	0	0
## 5	0	0	0	<NA>	1	0	0	0
## 6	0	0	0	<NA>	1	0	0	0
## 7	0	0	0	<NA>	1	0	0	0
## 8	0	0	0	<NA>	1	0	0	0
## 10	0	0	0	<NA>	1	0	0	0
## 11	0	0	0	<NA>	1	0	0	1
## 12	0	0	0	<NA>	1	0	0	0
## 13	0	0	0	0	1	0	0	0
## 14	0	1	0	<NA>	1	0	0	0
## 16	0	0	1	3	3	1	1	0
## 17	0	0	0	<NA>	1	0	0	0
## 18	0	0	0	<NA>	1	0	0	0
## 19	0	0	1	2	2	1	0	0
## 20	0	0	0	<NA>	1	0	0	0
## 21	0	1	1	2	2	1	0	0
## 23	0	0	1	1	2	1	0	0
## 25	0	1	1	2	2	1	0	0
## 26	0	0	1	3	3	1	1	0
## 27	0	0	1	2	2	1	0	0
## 28	0	0	1	1	2	1	0	0
## 29	0	0	0	<NA>	1	0	0	0
## 30	0	0	1	3	3	1	1	0
## 33	0	1	0	<NA>	1	0	0	0
## 34	0	0	0	<NA>	1	0	0	0
## 35	0	0	0	0	1	0	0	0
## 36	0	0	0	<NA>	1	0	0	0
## 37	0	1	1	2	2	1	0	0
## 38	0	0	0	<NA>	1	0	0	0
## 39	0	0	1	1	2	1	0	0
## 40	0	0	1	2	2	1	0	0
## 41	0	0	0	0	1	0	0	0

## 43	0	0	0	<NA>	1	0	0	0
## 44	0	0	0	<NA>	1	0	0	0
## 45	0	0	0	<NA>	1	0	0	0
## 46	0	0	0	<NA>	1	0	0	0
## 47	0	0	0	<NA>	1	0	0	0
## 48	0	1	0	<NA>	1	0	0	0
## 49	0	0	1	2	2	1	0	0
## 50	0	0	0	0	1	0	0	0
## 51	0	0	1	3	3	1	1	0
## 52	0	0	0	<NA>	1	0	0	0
## 54	0	0	1	2	2	1	0	0
## 55	0	1	0	<NA>	1	0	0	0
## 56	0	0	0	<NA>	1	0	0	0
## 57	0	0	0	<NA>	1	0	0	0
## 58	0	0	0	<NA>	1	0	0	0
## 59	0	0	0	<NA>	1	0	0	0
## 60	0	1	0	<NA>	1	0	0	0
## 62	0	0	0	0	1	0	0	0
## 65	0	1	1	2	2	1	0	0
## 67	0	0	1	2	2	1	0	0
## 68	0	0	0	<NA>	1	0	0	0
## 69	0	0	0	<NA>	1	0	0	0
## 70	0	0	0	0	1	0	0	0
## 71	0	1	0	<NA>	1	0	0	0
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## 73	0	0	0	<NA>	1	0	0	0
## 74	0	0	0	<NA>	1	0	0	0
## 75	0	0	1	2	2	1	0	0
## 76	0	0	0	<NA>	1	0	0	0
## 77	0	0	0	<NA>	1	0	0	0
## 79	0	1	0	<NA>	1	0	0	0
## 80	0	0	0	<NA>	1	0	0	0
## 81	0	0	0	<NA>	1	0	0	0
## 83	0	0	0	<NA>	1	0	0	0
## 87	0	0	1	2	2	1	0	0
## 88	0	0	0	<NA>	1	0	0	0
## 89	0	0	0	<NA>	1	0	0	0
## 90	0	0	0	0	1	0	0	0
## 91	0	0	0	<NA>	1	0	0	0
## 92	0	1	0	<NA>	1	0	0	0
## 93	0	0	0	<NA>	1	0	0	0
## 94	0	0	0	<NA>	1	0	0	0
## 95	0	0	0	<NA>	1	0	0	0
## 96	0	0	0	<NA>	1	0	0	0
## 97	0	0	0	<NA>	1	0	0	0
## 98	0	0	0	<NA>	1	0	0	0
## 99	0	0	0	<NA>	1	0	0	0
## 100	1	0	0	<NA>	1	0	0	0
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## 103	0	0	0	<NA>	1	0	0	0
## 105	0	0	0	<NA>	1	0	0	0
## 107	0	0	1	2	2	1	0	0
## 108	0	1	0	<NA>	1	0	0	0

## 109	0	0	0	<NA>	1	0	0	0
## 110	0	0	1	2	2	1	0	0
## 112	0	1	0	<NA>	1	0	0	0
## 113	0	0	0	0	1	0	0	0
## 116	0	0	1	2	2	1	0	0
## 118	0	0	0	0	1	0	0	0
## 119	0	0	0	<NA>	1	0	0	0
## 120	0	0	0	<NA>	1	0	0	0
## 121	0	0	0	<NA>	1	0	0	0
## 122	0	0	0	<NA>	1	0	0	0
## 123	0	0	0	<NA>	1	0	0	0
## 124	0	0	0	0	1	0	0	1
## 125	0	0	0	<NA>	1	0	0	0
## 126	0	0	1	2	2	1	0	0
## 127	0	0	0	<NA>	1	0	0	0
## 128	0	0	0	<NA>	1	0	0	0
## 129	0	0	0	<NA>	1	0	0	0
## 131	0	0	1	1	2	1	0	0
## 132	0	0	1	1	2	1	0	0
## 134	0	0	1	2	2	1	0	0
## 136	0	0	0	<NA>	1	0	0	0
## 137	0	0	1	2	2	1	0	0
## 139	0	0	1	2	2	1	0	1
## 140	0	0	0	<NA>	1	0	0	0
## 141	0	0	0	<NA>	1	0	0	0
## 142	0	0	0	<NA>	1	0	0	0
## 144	0	0	1	2	2	1	0	0
## 146	0	1	0	0	1	0	0	1
## 147	0	0	0	<NA>	1	0	0	0
## 148	0	0	0	<NA>	1	0	0	0
## 149	0	0	0	<NA>	1	0	0	0
## 150	0	0	0	<NA>	1	0	0	0
## 151	0	0	1	3	3	1	1	0
## 154	0	0	1	0	2	1	0	0
## 155	0	0	1	2	2	1	0	0
## 156	0	0	0	<NA>	1	0	0	0
## 157	0	0	0	0	1	0	0	0
## 158	0	0	0	<NA>	1	0	0	0
## 159	0	0	0	<NA>	1	0	0	0
## 160	0	0	1	2	2	1	0	0
## 161	0	0	0	<NA>	1	0	0	0
## 162	0	1	0	<NA>	1	0	0	0
## 163	0	0	1	3	3	1	1	0
## 164	0	0	0	<NA>	1	0	0	0
## 166	0	0	1	2	2	1	0	0
## 167	0	0	1	2	2	1	0	0
## 168	0	0	0	<NA>	1	0	0	0
## 169	0	0	1	0	2	1	0	0
## 170	1	0	1	2	2	1	0	0
## 171	0	0	0	<NA>	1	0	0	0
## 172	0	0	0	<NA>	1	0	0	0
## 174	0	0	1	2	2	1	0	1
## 175	0	1	0	<NA>	1	0	0	0
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## 177	0	0	0	<NA>	1	0	0	0
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## 180	0	0	0	<NA>	1	0	0	0
## 181	0	0	1	2	2	1	0	0
## 183	0	0	1	3	3	1	1	0
## 184	0	0	1	1	2	1	0	0
## 185	1	0	1	2	2	1	0	0
## 186	0	0	0	<NA>	1	0	0	0
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## 193	0	0	0	<NA>	1	0	0	0
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## 195	0	0	0	<NA>	1	0	0	0
## 196	0	0	1	3	3	1	1	0
## 198	0	1	0	<NA>	1	0	0	0
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## 200	0	0	0	<NA>	1	0	0	0
## 202	0	0	1	3	3	1	1	0
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## 206	0	0	1	2	2	1	0	0
## 209	0	0	0	<NA>	1	0	0	0
## 210	0	1	1	2	2	1	0	0
## 211	0	0	1	2	2	1	0	0
## 212	0	0	0	<NA>	1	0	0	0
## 214	0	0	0	<NA>	1	0	0	0
## 215	0	0	0	<NA>	1	0	0	0
## 216	0	0	1	2	2	1	0	0
## 217	0	0	0	<NA>	1	0	0	0
## 218	0	1	1	1	2	1	0	0
## 220	0	0	1	2	2	1	0	0
## 222	0	0	0	<NA>	1	0	0	0
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## 224	0	0	0	<NA>	1	0	0	0
## 225	0	0	1	3	3	1	1	0
## 226	0	0	0	<NA>	1	0	0	0
## 227	0	0	1	2	2	1	0	0
## 228	0	0	0	<NA>	1	0	0	0
## 229	0	0	1	2	2	1	0	0
## 230	0	0	0	<NA>	1	0	0	0
## 231	0	0	1	3	3	1	1	0
## 232	0	0	0	<NA>	1	0	0	0
## 233	0	0	1	3	3	1	1	0
## 234	0	0	1	3	3	1	1	0
## 236	0	0	1	2	2	1	0	0
## 238	0	1	1	0	2	1	0	0
## 239	0	0	0	<NA>	1	0	0	0
##	anyvad_r	vad_r	hyper_r	hyperyn_2_r	prptca6_r	pci_ta_r	lm3cat_r	lm2cat_r
## 1	0	0	3	1	0	0	2	1
## 2	0	0	0	0	2	0	2	1
## 3	0	0	1	1	0	0	1	0
## 4	1	1	0	0	0	0	2	1
## 5	0	0	3	1	0	0	1	0

## 6	0	0	1	1	0	0	1	0
## 7	0	0	3	1	0	0	1	0
## 8	0	0	0	0	0	0	1	0
## 10	0	0	0	0	0	0	2	1
## 11	0	0	0	0	0	0	2	1
## 12	0	0	1	1	0	0	1	0
## 13	0	0	1	1	0	0	1	0
## 14	0	0	0	0	0	0	1	0
## 16	0	0	1	1	2	0	1	0
## 17	0	0	0	0	2	0	1	0
## 18	0	0	1	1	0	0	2	1
## 19	0	0	1	1	0	0	2	1
## 20	0	0	1	1	0	0	1	0
## 21	0	0	1	1	0	0	1	0
## 23	0	0	3	1	0	0	1	0
## 25	1	3	3	1	0	0	1	0
## 26	1	2	1	1	0	0	2	1
## 27	0	0	1	1	0	0	1	0
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## 29	0	0	1	1	0	0	1	0
## 30	0	0	3	1	0	0	2	1
## 33	1	1	2	1	0	0	1	0
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## 37	0	0	0	0	0	0	1	0
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## 39	1	1	3	1	0	0	1	0
## 40	1	1	3	1	0	0	1	0
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## 44	1	1	1	1	0	0	1	0
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## 46	1	1	1	1	0	0	1	0
## 47	0	0	3	1	0	0	2	1
## 48	0	0	1	1	0	0	1	0
## 49	0	0	1	1	2	0	1	0
## 50	0	0	1	1	0	0	1	0
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## 52	1	2	3	1	2	0	3	1
## 54	0	0	3	1	2	0	1	0
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## 56	1	1	1	1	0	0	1	0
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## 58	0	0	1	1	2	0	2	1
## 59	1	2	1	1	0	0	2	1
## 60	0	0	1	1	0	0	1	0
## 62	0	0	1	1	0	0	1	0
## 65	0	0	3	1	0	0	1	0
## 67	1	5	1	1	0	0	2	1
## 68	0	0	1	1	0	0	1	0
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## 70	0	0	1	1	0	0	2	1
## 71	0	0	0	0	2	0	1	0

## 72	0	0	0	0	0	0	1	0
## 73	1	2	1	1	2	0	1	0
## 74	0	0	1	1	0	0	1	0
## 75	0	0	1	1	2	0	2	1
## 76	1	1	3	1	0	0	1	0
## 77	0	0	1	1	0	0	2	1
## 79	1	3	1	1	0	0	3	1
## 80	0	0	0	0	0	0	1	0
## 81	0	0	0	0	0	0	1	0
## 83	0	0	3	1	0	0	2	1
## 87	1	1	0	0	0	0	2	1
## 88	0	0	1	1	2	0	1	0
## 89	1	5	0	0	0	0	3	1
## 90	0	0	1	1	0	0	1	0
## 91	0	0	3	1	0	0	1	0
## 92	1	5	1	1	2	0	1	0
## 93	0	0	3	1	0	0	1	0
## 94	0	0	1	1	2	0	1	0
## 95	0	0	0	0	0	0	2	1
## 96	1	1	1	1	2	0	2	1
## 97	0	0	1	1	0	0	2	1
## 98	0	0	0	0	0	0	1	0
## 99	0	0	0	0	0	0	2	1
## 100	1	1	3	1	2	0	1	0
## 101	0	0	1	1	0	0	1	0
## 102	0	0	1	1	2	0	2	1
## 103	0	0	1	1	0	0	2	1
## 105	0	0	1	1	2	0	1	0
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## 108	1	5	0	0	0	0	2	1
## 109	1	1	0	0	0	0	1	0
## 110	0	0	1	1	0	0	1	0
## 112	0	0	1	1	0	0	1	0
## 113	0	0	1	1	0	0	2	1
## 116	1	1	1	1	0	0	1	0
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## 120	1	1	1	1	2	0	1	0
## 121	1	1	1	1	2	0	1	0
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## 128	0	0	3	1	0	0	2	1
## 129	0	0	1	1	0	0	1	0
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## 134	0	0	1	1	2	0	3	1
## 136	0	0	2	1	0	0	1	0
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## 139	1	1	1	1	0	0	3	1
## 140	0	0	1	1	0	0	1	0

## 141	0	0	0	0	0	0	2	1
## 142	1	3	3	1	0	0	1	0
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## 146	1	1	0	0	0	0	2	1
## 147	0	0	1	1	2	0	1	0
## 148	0	0	3	1	2	0	2	1
## 149	0	0	0	0	0	0	1	0
## 150	0	0	3	1	0	0	1	0
## 151	1	1	1	1	0	0	2	1
## 154	1	2	1	1	0	0	1	0
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## 156	0	0	0	0	0	0	1	0
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## 159	0	0	3	1	0	0	1	0
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## 169	0	0	0	0	2	0	1	0
## 170	1	1	3	1	2	0	2	1
## 171	0	0	3	1	0	0	2	1
## 172	0	0	0	0	0	0	1	0
## 174	0	0	1	1	0	0	2	1
## 175	1	1	1	1	0	0	1	0
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## 177	0	0	1	1	0	0	1	0
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## 180	0	0	1	1	0	0	2	1
## 181	0	0	0	0	0	0	1	0
## 183	0	0	1	1	0	0	1	0
## 184	0	0	1	1	0	0	1	0
## 185	0	0	3	1	0	0	1	0
## 186	0	0	3	1	2	0	2	1
## 188	0	0	2	1	2	0	1	0
## 190	0	0	2	1	0	0	3	1
## 193	0	0	3	1	0	0	2	1
## 194	1	3	3	1	0	0	1	0
## 195	0	0	1	1	0	0	1	0
## 196	0	0	3	1	0	0	1	0
## 198	0	0	1	1	1	1	1	0
## 199	1	2	1	1	0	0	1	0
## 200	1	3	1	1	2	0	2	1
## 202	0	0	3	1	0	0	1	0
## 203	1	1	3	1	2	0	1	0
## 204	1	3	3	1	0	0	1	0
## 205	1	2	3	1	0	0	1	0
## 206	0	0	1	1	0	0	1	0
## 209	1	2	3	1	2	0	2	1
## 210	0	0	0	0	2	0	1	0

## 211	1	1	1	1	2	0	1	0
## 212	0	0	3	1	0	0	1	0
## 214	1	3	1	1	2	0	1	0
## 215	0	0	0	0	0	0	2	1
## 216	0	0	0	0	0	0	1	0
## 217	0	0	0	0	0	0	1	0
## 218	1	5	0	0	0	0	1	0
## 220	0	0	1	1	0	0	2	1
## 222	0	0	2	1	0	0	1	0
## 223	1	3	2	1	0	0	1	0
## 224	0	0	0	0	0	0	1	0
## 225	0	0	3	1	0	0	1	0
## 226	0	0	3	1	0	0	1	0
## 227	0	0	3	1	0	0	1	0
## 228	1	3	3	1	2	0	2	1
## 229	0	0	1	1	0	0	1	0
## 230	0	0	0	0	0	0	1	0
## 231	1	2	3	1	0	0	1	0
## 232	0	0	3	1	0	0	2	1
## 233	0	0	1	1	0	0	1	0
## 234	1	2	1	1	0	0	1	0
## 236	0	0	1	1	0	0	1	0
## 238	1	2	0	0	0	0	1	0
## 239	0	0	1	1	0	0	1	0
##	aortic_insuff	aortic_insuff_r	aortic_sten	aortic_sten_r	chf_nyha_iv			
## 1	0		0	0		0		0
## 2	<NA>		0	<NA>		0		0
## 3	<NA>		0	<NA>		0		0
## 4	<NA>		0	<NA>		0		0
## 5	0		0	0		0		0
## 6	<NA>		0	<NA>		0		0
## 7	0		0	0		0		0
## 8	<NA>		0	<NA>		0		0
## 10	<NA>		0	<NA>		0		0
## 11	0		0	0		0		0
## 12	<NA>		0	<NA>		0		0
## 13	<NA>		0	<NA>		0		0
## 14	0		0	0		0		0
## 16	<NA>		0	<NA>		0		0
## 17	<NA>		0	<NA>		0		0
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## 19	<NA>		0	<NA>		0		0
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## 23	0		0	0		0		0
## 25	0		0	0		0	<NA>	
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## 36	0	0	0	0	0
## 37	0	0	0	0	0
## 38	0	0	0	0	0
## 39	0	0	0	0	0
## 40	0	0	0	0	0
## 41	<NA>	0	<NA>	0	0
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## 47	0	0	0	0	0
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## 49	<NA>	0	<NA>	0	0
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## 60	<NA>	0	<NA>	0	0
## 62	<NA>	0	<NA>	0	0
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## 67	<NA>	0	<NA>	0	0
## 68	0	0	0	0	0
## 69	<NA>	0	<NA>	0	0
## 70	<NA>	0	<NA>	0	0
## 71	<NA>	0	<NA>	0	0
## 72	<NA>	0	<NA>	0	0
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## 74	<NA>	0	<NA>	0	0
## 75	<NA>	0	<NA>	0	0
## 76	0	0	0	0	0
## 77	<NA>	0	<NA>	0	0
## 79	0	0	0	0	1
## 80	<NA>	0	<NA>	0	0
## 81	0	0	0	0	0
## 83	0	0	0	0	0
## 87	<NA>	0	<NA>	0	0
## 88	<NA>	0	<NA>	0	0
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## 90	<NA>	0	<NA>	0	0
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## 93	0	0	0	0	0
## 94	<NA>	0	<NA>	0	0
## 95	<NA>	0	<NA>	0	0
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## 97	<NA>	0	<NA>	0	0
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## 101	<NA>	0	<NA>	0	0
## 102	<NA>	0	<NA>	0	0
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## 105	<NA>	0	<NA>	0	0
## 107	<NA>	0	<NA>	0	0
## 108	<NA>	0	<NA>	0	0
## 109	<NA>	0	<NA>	0	0
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## 116	<NA>	0	<NA>	0	0
## 118	<NA>	0	<NA>	0	0
## 119	0	0	0	0	0
## 120	<NA>	0	<NA>	0	0
## 121	<NA>	0	<NA>	0	0
## 122	<NA>	0	<NA>	0	0
## 123	<NA>	0	<NA>	0	0
## 124	<NA>	0	<NA>	0	0
## 125	<NA>	0	<NA>	0	0
## 126	<NA>	0	<NA>	0	0
## 127	0	0	0	0	0
## 128	0	0	0	0	0
## 129	0	0	0	0	0
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## 132	0	0	0	0	0
## 134	<NA>	0	<NA>	0	0
## 136	<NA>	0	<NA>	0	0
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## 139	<NA>	0	<NA>	0	0
## 140	<NA>	0	<NA>	0	0
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## 142	0	0	0	0	0
## 144	0	0	0	0	0
## 146	<NA>	0	<NA>	0	0
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## 149	<NA>	0	<NA>	0	0
## 150	0	0	0	0	0
## 151	<NA>	0	<NA>	0	0
## 154	<NA>	0	<NA>	0	0
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## 156	<NA>	0	<NA>	0	0
## 157	<NA>	0	<NA>	0	0
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## 159	0	0	0	0	0
## 160	<NA>	0	<NA>	0	0
## 161	0	0	0	0	0
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## 163	0	0	0	0	0
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## 166	<NA>	0	<NA>	0	0
## 167	<NA>	0	<NA>	0	0
## 168	<NA>	0	<NA>	0	0
## 169	0	0	0	0	0

## 170	0	0	0	0	0
## 171	0	0	0	0	0
## 172	<NA>	0	<NA>	0	0
## 174	0	0	0	0	0
## 175	<NA>	0	<NA>	0	0
## 176	<NA>	0	<NA>	0	0
## 177	0	0	0	0	0
## 179	<NA>	0	<NA>	0	0
## 180	<NA>	0	<NA>	0	0
## 181	0	0	0	0	0
## 183	<NA>	0	<NA>	0	0
## 184	<NA>	0	<NA>	0	0
## 185	0	0	0	0	0
## 186	0	0	0	0	0
## 188	<NA>	0	<NA>	0	0
## 190	<NA>	0	<NA>	0	0
## 193	0	0	0	0	0
## 194	0	0	0	0	0
## 195	<NA>	0	<NA>	0	0
## 196	0	0	0	0	<NA>
## 198	<NA>	0	<NA>	0	0
## 199	<NA>	0	<NA>	0	0
## 200	<NA>	0	<NA>	0	0
## 202	0	0	0	0	0
## 203	0	0	0	0	0
## 204	0	0	0	0	0
## 205	0	0	0	0	0
## 206	<NA>	0	<NA>	0	0
## 209	0	0	0	0	0
## 210	0	0	0	0	0
## 211	<NA>	0	<NA>	0	0
## 212	0	0	0	0	0
## 214	<NA>	0	<NA>	0	0
## 215	<NA>	0	<NA>	0	0
## 216	0	0	0	0	0
## 217	0	0	0	0	0
## 218	<NA>	0	<NA>	0	0
## 220	<NA>	0	<NA>	0	0
## 222	<NA>	0	<NA>	0	0
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## 224	0	0	0	0	0
## 225	0	0	0	0	0
## 226	0	0	0	0	0
## 227	0	0	0	0	0
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## 231	0	0	0	0	0
## 232	0	0	0	0	0
## 233	<NA>	0	<NA>	0	0
## 234	<NA>	0	<NA>	0	0
## 236	0	0	0	0	1
## 238	<NA>	0	<NA>	0	0
## 239	<NA>	0	<NA>	0	0

##	chf_nyha_ltiv	chf_nyha_iv_r	chf_nyha_ltiv_r	smoker_r	cvd	cvd_r	htcm_d
## 1	0	0	0	0	0	0	17
## 2	0	0	0	0	0	0	16
## 3	0	0	0	0	0	0	17
## 4	0	0	0	0	1	1	17
## 5	0	0	0	0	0	0	19
## 6	0	0	0	0	0	0	18
## 7	0	0	0	0	0	0	18
## 8	0	0	0	0	0	0	17
## 10	0	0	0	0	0	0	17
## 11	1	0	1	0	0	0	15
## 12	0	0	0	0	0	0	17
## 13	0	0	0	0	0	0	16
## 14	0	0	0	0	0	0	18
## 16	0	0	0	0	0	0	17
## 17	0	0	0	0	0	0	17
## 18	0	0	0	0	0	0	17
## 19	0	0	0	0	0	0	17
## 20	0	0	0	0	0	0	17
## 21	0	1	0	0	0	0	17
## 23	1	0	1	0	0	0	18
## 25	0	0	0	0	1	1	17
## 26	0	0	0	0	0	0	18
## 27	0	0	0	0	0	0	18
## 28	0	0	0	0	0	0	18
## 29	0	0	0	0	0	0	18
## 30	0	0	0	0	0	0	17
## 33	0	0	0	0	1	1	17
## 34	0	0	0	1	0	0	18
## 35	0	0	0	1	0	0	18
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## 40	0	0	0	0	1	1	17
## 41	0	0	0	0	0	0	16
## 43	0	0	0	0	0	0	18
## 44	0	0	0	0	1	1	18
## 45	0	0	0	0	0	0	17
## 46	0	0	0	0	1	1	17
## 47	0	0	0	0	0	0	16
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## 49	0	0	0	0	0	0	17
## 50	0	0	0	0	0	0	18
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## 57	0	0	0	0	1	1	16
## 58	0	0	0	0	0	0	17
## 59	0	0	0	1	0	0	17
## 60	0	0	0	0	0	0	17
## 62	0	0	0	0	0	0	17

## 65	0	0	0	0	0	0	16
## 67	0	0	0	0	0	0	18
## 68	0	0	0	0	0	0	17
## 69	0	0	0	1	0	0	17
## 70	0	0	0	0	0	0	17
## 71	0	0	0	1	0	0	17
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## 74	0	0	0	0	0	0	17
## 75	0	0	0	0	0	0	17
## 76	0	0	0	0	1	1	17
## 77	0	0	0	0	0	0	<NA>
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## 80	0	0	0	0	0	0	17
## 81	0	0	0	1	0	0	18
## 83	0	0	0	0	0	0	17
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## 91	0	0	0	1	0	0	17
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## 93	<NA>	0	0	0	0	0	17
## 94	0	0	0	1	0	0	17
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## 122	0	0	0	0	0	0	18
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## 127	0	0	0	1	0	0	18
## 128	0	0	0	0	0	0	17
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## 132	0	0	0	0	0	0	17
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## 136	0	0	0	1	0	0	18
## 137	0	0	0	0	0	0	16
## 139	0	0	0	0	1	1	17
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## 147	0	0	0	1	0	0	18
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## 151	0	0	0	0	1	1	17
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## 188	0	0	0	0	0	0	18
## 190	0	0	0	1	0	0	19
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## 198	0	0	0	0	0	0	18
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## 200	0	0	0	0	1	1	17
## 202	0	0	0	0	0	0	17

## 203	0	0	0	0	1	1	17
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## 205	0	0	0	0	0	0	17
## 206	0	0	0	0	0	0	17
## 209	0	0	0	1	0	0	17
## 210	0	0	0	0	0	0	16
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## 212	0	0	0	0	0	0	16
## 214	0	0	0	1	1	1	17
## 215	0	0	0	1	0	0	16
## 216	0	0	0	0	0	0	18
## 217	0	0	0	0	0	0	17
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## 222	0	0	0	0	0	0	18
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## 224	0	0	0	0	0	0	16
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## 239	0	0	0	1	0	0	17
##	htcm_r	htcm_d_r	mitral_insuff	mitral_insuff_r	carotid_sten		
## 1	175	17	1	1	<NA>		
## 2	168	16	<NA>	0	0		
## 3	173	17	<NA>	0	0		
## 4	175	17	<NA>	0	0		
## 5	193	19	0	0	<NA>		
## 6	183	18	<NA>	0	0		
## 7	185	18	0	0	<NA>		
## 8	173	17	<NA>	0	0		
## 10	171	17	<NA>	0	0		
## 11	150	15	1	1	<NA>		
## 12	173	17	<NA>	0	0		
## 13	168	16	<NA>	0	1		
## 14	180	18	0	0	<NA>		
## 16	173	17	<NA>	0	0		
## 17	175	17	<NA>	0	0		
## 18	178	17	<NA>	0	0		
## 19	178	17	<NA>	0	0		
## 20	178	17	<NA>	0	0		
## 21	175	17	<NA>	0	0		
## 23	184	18	0	0	<NA>		
## 25	177	17	0	0	<NA>		
## 26	182	18	<NA>	0	0		
## 27	182	18	<NA>	0	0		

## 28	183	18	<NA>	0	0
## 29	180	18	<NA>	0	0
## 30	175	17	0	0	<NA>
## 33	173	17	<NA>	0	1
## 34	180	18	<NA>	0	0
## 35	188	18	<NA>	0	0
## 36	167	16	0	0	<NA>
## 37	170	17	0	0	<NA>
## 38	182	18	0	0	<NA>
## 39	170	17	0	0	<NA>
## 40	170	17	0	0	<NA>
## 41	167	16	<NA>	0	0
## 43	180	18	<NA>	0	0
## 44	180	18	<NA>	0	1
## 45	178	17	<NA>	0	0
## 46	178	17	<NA>	0	1
## 47	165	16	0	0	<NA>
## 48	172.72	17	0	0	0
## 49	177	17	<NA>	0	0
## 50	180	18	<NA>	0	0
## 51	178	17	<NA>	0	1
## 52	183	18	0	0	<NA>
## 54	170	17	0	0	<NA>
## 55	191	19	<NA>	0	0
## 56	173	17	<NA>	0	0
## 57	168	16	<NA>	0	0
## 58	178	17	<NA>	0	0
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## 62	175	17	<NA>	0	0
## 65	168	16	0	0	<NA>
## 67	183	18	<NA>	0	0
## 68	179.87	17	0	0	0
## 69	172	17	<NA>	0	0
## 70	175	17	<NA>	0	0
## 71	173	17	<NA>	0	0
## 72	175	17	<NA>	0	0
## 73	182	18	<NA>	0	0
## 74	173	17	<NA>	0	0
## 75	172	17	<NA>	0	0
## 76	170	17	0	0	<NA>
## 77	175	17	<NA>	0	0
## 79	178.13	17	1	1	0
## 80	173	17	<NA>	0	0
## 81	185	18	0	0	<NA>
## 83	178	17	0	0	<NA>
## 87	177	17	<NA>	0	1
## 88	168	16	<NA>	0	0
## 89	165	16	0	0	0
## 90	178	17	<NA>	0	0
## 91	179	17	0	0	<NA>
## 92	175	17	<NA>	0	0
## 93	170	17	0	0	<NA>
## 94	170	17	<NA>	0	0

## 95	174	17	<NA>	0	0
## 96	166	16	<NA>	0	1
## 97	173	17	<NA>	0	0
## 98	178	17	<NA>	0	0
## 99	183	18	<NA>	0	0
## 100	178	17	0	0	<NA>
## 101	166	16	<NA>	0	0
## 102	163	16	<NA>	0	0
## 103	180	18	<NA>	0	0
## 105	170	17	<NA>	0	0
## 107	168	16	<NA>	0	0
## 108	170	17	<NA>	0	0
## 109	175.2	17	<NA>	0	0
## 110	163	16	<NA>	0	0
## 112	175	17	<NA>	0	0
## 113	168	16	<NA>	0	0
## 116	188	18	<NA>	0	1
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## 121	178	17	<NA>	0	0
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## 127	185	18	0	0	<NA>
## 128	170	17	0	0	<NA>
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## 132	176	17	0	0	<NA>
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## 147	183	18	<NA>	0	0
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## 154	180	18	<NA>	0	0
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## 160	168	16	<NA>	0	0
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## 163	175	17	0	0	<NA>
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## 169	170	17	1	1	0
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## 171	182	18	0	0	<NA>
## 172	172.5	17	<NA>	0	0
## 174	180.00999	18	0	0	0
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## 176	163	16	<NA>	0	0
## 177	184.10001	18	0	0	0
## 179	180	18	<NA>	0	1
## 180	178	17	<NA>	0	0
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## 220	178	17	<NA>	0	0
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## 232	174	17	0	0	<NA>		
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## 236	173.13	17	0	0	0		
## 238	164	16	<NA>	0	0		
## 239	170	17	<NA>	0	0		
##	carotid_sten_r	pvd	pvd_r	tricuspid_insuff	tricuspid_insuff_r	bmi_squared	
## 1		0	0	0	0	825.68262	
## 2		0	0	0	<NA>	0	1868.4546
## 3		0	0	0	<NA>	0	904.27515
## 4		0	0	0	<NA>	0	716.92792
## 5		0	0	0	0	0	904.0799
## 6		0	0	0	<NA>	0	1553.6154
## 7		0	0	0	0	0	1168.6509
## 8		0	0	0	<NA>	0	787.72412
## 10		0	0	0	<NA>	0	693.42102
## 11		0	0	0	0	0	1427.1605
## 12		0	0	0	<NA>	0	644.82635
## 13		1	0	0	<NA>	0	753.99121
## 14		0	0	0	0	0	1237.9973
## 16		0	0	0	<NA>	0	924.48181
## 17		0	0	0	<NA>	0	648.6897
## 18		0	0	0	<NA>	0	996.1391
## 19		0	0	0	<NA>	0	1285.5135
## 20		0	0	0	<NA>	0	771.4101
## 21		0	0	0	<NA>	0	982.63055
## 23		0	0	0	0	0	855.06494
## 25		0	1	1	0	0	1018.8422
## 26		0	1	1	<NA>	0	1082.8479
## 27		0	0	0	<NA>	0	643.09186
## 28		0	0	0	<NA>	0	570.65759
## 29		0	0	0	<NA>	0	795.79712
## 30		0	0	0	0	0	1003.2087
## 33		1	0	0	<NA>	0	750.66003
## 34		0	0	0	<NA>	0	309.49933
## 35		0	0	0	<NA>	0	474.62439
## 36		0	0	0	0	0	950.8916
## 37		0	0	0	0	0	728.43958
## 38		0	0	0	0	0	822.54877
## 39		0	0	0	0	0	728.43958
## 40		0	0	0	0	0	747.23724
## 41		0	0	0	<NA>	0	1136.03
## 43		0	0	0	<NA>	0	806.27954
## 44		1	0	0	<NA>	0	656.24524
## 45		0	0	0	<NA>	0	899.01556
## 46		1	0	0	<NA>	0	545.48578
## 47		0	0	0	0	0	779.27618
## 48		0	0	0	0	0	843.46362
## 49		0	0	0	<NA>	0	825.26221
## 50		0	0	0	<NA>	0	1634.7546
## 51		1	1	1	<NA>	0	844.966
## 52		0	1	1	0	0	599.54718
## 54		0	0	0	0	0	991.48718
## 55		0	0	0	<NA>	0	663.92993

## 56	0	0	0	<NA>	0	741.53357
## 57	0	0	0	<NA>	0	972.13867
## 58	0	0	0	<NA>	0	669.80396
## 59	0	1	1	<NA>	0	682.49304
## 60	0	0	0	<NA>	0	702.87573
## 62	0	0	0	<NA>	0	682.38232
## 65	0	0	0	0	0	2220.5786
## 67	0	0	0	<NA>	0	2340.053
## 68	0	0	0	0	0	626.49945
## 69	0	0	0	<NA>	0	1259.6932
## 70	0	0	0	<NA>	0	770.3457
## 71	0	0	0	<NA>	0	924.48181
## 72	0	0	0	<NA>	0	1198.0074
## 73	0	1	1	<NA>	0	911.41138
## 74	0	0	0	<NA>	0	904.27515
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## 76	0	0	0	0	0	747.23724
## 77	0	0	0	<NA>	0	<NA>
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## 80	0	0	0	<NA>	0	575.52539
## 81	0	0	0	0	0	706.96167
## 83	0	0	0	0	0	861.56073
## 87	1	0	0	<NA>	0	736.11353
## 88	0	0	0	<NA>	0	864.8067
## 89	0	0	0	0	0	570.02112
## 90	0	0	0	<NA>	0	764.41327
## 91	0	0	0	0	0	1136.1493
## 92	0	0	0	<NA>	0	1220.718
## 93	0	0	0	0	0	505.86081
## 94	0	0	0	<NA>	0	805.06702
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## 100	0	0	0	0	0	880.18854
## 101	0	0	0	<NA>	0	601.81226
## 102	0	0	0	<NA>	0	940.94623
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## 105	0	0	0	<NA>	0	1173.4773
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## 108	0	0	0	<NA>	0	937.75818
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## 110	0	0	0	<NA>	0	635.91516
## 112	0	0	0	<NA>	0	599.75012
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## 116	1	0	0	<NA>	0	829.59125
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## 127	0	0	0	0	0	836.72638
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## 137	0	0	0	0	0	843.53705
## 139	1	0	0	<NA>	0	1295.0037
## 140	0	0	0	<NA>	0	1197.3037
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## 144	0	0	0	0	0	658.14685
## 146	1	0	0	<NA>	0	615.85004
## 147	0	0	0	<NA>	0	738.37744
## 148	0	0	0	0	0	557.91803
## 149	0	0	0	<NA>	0	629.15002
## 150	0	0	0	0	0	682.38232
## 151	1	0	0	<NA>	0	906.23914
## 154	0	1	1	<NA>	0	1281.8168
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## 157	1	1	1	<NA>	0	765.61963
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## 159	0	0	0	0	0	766.27435
## 160	0	0	0	<NA>	0	1095.1072
## 161	0	0	0	0	0	734.52063
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## 166	0	0	0	<NA>	0	1087.6534
## 167	0	0	0	<NA>	0	825.68262
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## 170	0	0	0	0	0	1612.4639
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## 172	0	0	0	<NA>	0	1078.0345
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## 175	1	0	0	<NA>	0	568.18994
## 176	0	0	0	<NA>	0	818.2326
## 177	0	0	0	0	0	1426.28
## 179	1	0	0	<NA>	0	507.63983
## 180	0	0	0	<NA>	0	530.84253
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## 184	0	0	0	<NA>	0	1972.4845
## 185	0	0	0	0	0	844.81744
## 186	0	0	0	0	0	923.37616
## 188	0	0	0	<NA>	0	786.78406
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## 193	0	0	0	0	0	972.13867
## 194	0	1	1	0	0	682.70428

## 195	0	0	0	<NA>	0	923.37854	
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## 202	0	0	0	0	0	1288.2008	
## 203	0	0	0	0	0	698.20502	
## 204	0	1	1	0	0	613.6568	
## 205	0	1	1	0	0	1036.3832	
## 206	0	0	0	<NA>	0	793.36078	
## 209	0	1	1	0	0	843.70325	
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## 211	1	0	0	<NA>	0	1001.8608	
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## 217	0	0	0	0	0	924.48181	
## 218	0	0	0	<NA>	0	940.66974	
## 220	0	0	0	<NA>	0	637.52905	
## 222	0	0	0	<NA>	0	1022.1755	
## 223	0	1	1	<NA>	0	608.13995	
## 224	0	0	0	0	0	762.2818	
## 225	0	0	0	0	0	1210.4865	
## 226	0	0	0	0	0	716.92792	
## 227	0	0	0	0	0	617.91791	
## 228	0	1	1	0	0	566.8537	
## 229	0	0	0	<NA>	0	690.49573	
## 230	0	0	0	0	0	691.88037	
## 231	0	1	1	0	0	980.60205	
## 232	0	0	0	0	0	680.85901	
## 233	0	0	0	<NA>	0	1090.6302	
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## 238	0	1	1	<NA>	0	819.60773	
## 239	0	0	0	<NA>	0	620.68225	
##	bmi_r	bmi_squared_r	novsl_r	readmit_1y_yn_state	anyakin	creatcat	lm50
## 1	28.734694	825.68262	3	1	1	1	1
## 2	43.225624	1868.4546	2	1	0	0	1
## 3	30.071169	904.27521	3	0	0	0	0
## 4	26.775511	716.92798	3	0	0	0	1
## 5	30.067921	904.07983	2	0	1	2	0
## 6	39.415928	1553.6154	2	0	0	0	0
## 7	34.185535	1168.6509	3	1	1	0	0
## 8	28.066423	787.72412	2	0	0	0	0
## 10	26.33289	693.42108	3	0	0	0	1
## 11	37.777779	1427.1605	3	0	0	0	1
## 12	25.393431	644.82629	3	0	0	0	0
## 13	27.4589	753.99121	2	0	1	1	0
## 14	35.185184	1237.9972	1	0	1	0	0
## 16	30.405293	924.48181	3	1	1	0	0
## 17	25.469387	648.6897	3	0	0	0	0
## 18	31.561672	996.13916	2	0	1	0	1
## 19	35.854057	1285.5134	3	0	0	0	1

## 20	27.774271	771.41016	2	1	0	0	0
## 21	31.346939	982.63062	3	0	1	1	0
## 23	29.241493	855.06494	3	0	0	0	0
## 25	31.919308	1018.8422	3	0	0	0	0
## 26	32.906654	1082.8479	2	0	1	1	1
## 27	25.359257	643.09192	2	0	0	0	0
## 28	23.888441	570.65759	1	1	1	1	0
## 29	28.209877	795.79718	2	0	1	1	0
## 30	31.67347	1003.2087	3	0	1	1	1
## 33	27.398176	750.66003	3	0	0	0	0
## 34	17.592592	309.4993	3	0	0	0	0
## 35	21.785875	474.62436	3	0	0	0	0
## 36	30.836531	950.8916	2	1	1	1	1
## 37	26.98962	728.43958	2	0	0	0	0
## 38	28.680111	822.54877	1	0	0	0	0
## 39	26.98962	728.43958	2	0	0	0	0
## 40	27.33564	747.23718	3	0	1	0	0
## 41	33.705044	1136.03	2	0	0	0	0
## 43	28.395061	806.27954	3	1	1	0	1
## 44	25.617285	656.2453	3	0	0	0	0
## 45	29.983587	899.0155	3	0	0	0	1
## 46	23.355637	545.48578	1	0	0	0	0
## 47	27.91552	779.27625	3	0	1	1	1
## 48	29.042444	843.46356	3	0	0	0	0
## 49	28.727377	825.26221	1	1	0	0	0
## 50	40.432098	1634.7546	1	1	1	0	0
## 51	29.0683	844.96606	3	0	1	1	1
## 52	24.485653	599.54718	2	0	0	0	1
## 54	31.487888	991.48712	3	0	1	0	0
## 55	25.766838	663.92993	2	1	1	1	1
## 56	27.231113	741.53357	3	1	1	0	0
## 57	31.179138	972.13867	3	1	1	0	1
## 58	25.880571	669.80396	3	0	0	0	1
## 59	26.124567	682.49298	3	0	0	0	1
## 60	26.511805	702.87579	1	0	0	0	0
## 62	26.12245	682.38239	2	0	0	0	0
## 65	47.123016	2220.5786	2	0	0	0	0
## 67	48.374092	2340.0527	3	0	1	0	1
## 68	25.02997	626.49939	3	1	0	0	0
## 69	35.492157	1259.6932	3	0	0	0	0
## 70	27.755102	770.3457	3	0	0	0	1
## 71	30.405293	924.48181	3	1	0	0	0
## 72	34.612244	1198.0074	3	1	1	0	0
## 73	30.18959	911.41138	3	0	0	0	0
## 74	30.071169	904.27521	3	0	1	0	0
## 75	41.982151	1762.501	2	0	1	0	1
## 76	27.33564	747.23718	2	0	1	3	0
## 77	29.042444	843.46356	3	1	0	0	1
## 79	23.643017	558.99225	3	0	0	0	1
## 80	23.99011	575.52539	2	0	0	0	0
## 81	26.588751	706.96167	3	0	0	0	0
## 83	29.352354	861.56067	2	0	0	0	1
## 87	27.131413	736.11353	3	0	0	0	1
## 88	29.407597	864.80676	2	0	0	0	0

## 89	23.875114	570.02112	2	0	0	0	1
## 90	27.648024	764.41321	3	0	0	0	0
## 91	33.706814	1136.1493	3	1	1	1	0
## 92	34.938774	1220.7179	3	0	1	0	0
## 93	22.49135	505.86084	3	0	1	1	0
## 94	28.373703	805.06702	2	0	1	2	0
## 95	25.102392	630.13007	3	0	0	0	1
## 96	28.668892	821.90533	2	0	1	1	1
## 97	40.763138	1661.6334	3	1	0	0	1
## 98	30.930439	956.69208	3	0	1	0	0
## 99	24.366209	593.71216	3	0	0	0	1
## 100	29.667971	880.18848	2	0	0	0	0
## 101	24.531862	601.81226	2	0	1	1	0
## 102	30.674847	940.94623	2	0	0	0	1
## 103	29.629629	877.91492	3	0	0	0	1
## 105	34.256054	1173.4772	2	0	0	0	0
## 107	25.155895	632.81909	3	0	1	0	1
## 108	30.622837	937.75818	3	0	1	0	1
## 109	24.368757	593.8363	2	1	0	0	0
## 110	25.217358	635.9151	3	0	1	0	0
## 112	24.489796	599.75012	2	0	0	0	0
## 113	31.887754	1016.8289	3	0	0	0	1
## 116	28.802626	829.59125	3	0	0	0	0
## 118	21.798203	475.16162	2	0	0	0	0
## 119	24.099724	580.79669	1	0	1	0	0
## 120	31.195095	973.13397	2	0	1	1	0
## 121	28.626436	819.47284	2	1	1	2	0
## 122	22.694019	515.01849	3	1	0	0	0
## 123	25.680075	659.46625	2	1	0	0	0
## 124	22.550941	508.54495	3	0	1	0	0
## 125	23.183674	537.48273	3	0	0	0	0
## 126	28.1859	794.44495	2	0	0	0	0
## 127	28.926224	836.72644	3	0	0	0	0
## 128	36.6782	1345.2903	2	0	1	0	1
## 129	31.141869	969.81598	2	0	0	0	0
## 131	26.196188	686.24023	2	0	0	0	0
## 132	30.023243	901.39514	3	0	0	0	1
## 134	33.893353	1148.7594	3	0	0	0	1
## 136	28.068918	787.8642	1	0	0	0	0
## 137	29.043709	843.53705	3	0	1	1	0
## 139	35.98616	1295.0038	2	0	0	0	1
## 140	34.602077	1197.3037	3	0	0	0	0
## 141	32.432434	1051.8628	2	0	0	0	1
## 142	22.340298	499.0889	2	0	0	0	0
## 144	25.654373	658.14685	2	0	1	0	0
## 146	24.816326	615.85004	3	0	0	0	1
## 147	27.173101	738.37744	3	0	1	0	0
## 148	23.620289	557.91803	3	0	0	0	1
## 149	25.082863	629.15002	2	0	1	2	0
## 150	26.12245	682.38239	3	0	0	0	0
## 151	30.103806	906.23914	2	0	1	0	1
## 154	35.802467	1281.8167	2	0	0	0	0
## 155	26.57313	706.13123	3	0	0	0	1
## 156	36.250469	1314.0966	2	0	1	0	0

## 157	27.669832	765.61963	3	0	0	0	1
## 158	24.622961	606.29022	3	1	0	0	1
## 159	27.681662	766.27441	3	1	1	0	0
## 160	33.092403	1095.1072	2	0	1	0	0
## 161	27.102041	734.52063	3	1	1	1	1
## 162	34.938774	1220.7179	2	0	1	0	1
## 163	27.102041	734.52063	2	1	0	0	1
## 164	23.384354	546.828	3	0	0	0	1
## 166	32.979591	1087.6534	2	0	0	0	0
## 167	28.734694	825.68262	3	0	0	0	0
## 168	30.094959	905.70654	3	0	0	0	0
## 169	24.567474	603.56079	3	0	0	0	0
## 170	40.155495	1612.4637	3	1	1	2	1
## 171	24.453568	597.97699	3	0	0	0	1
## 172	32.833439	1078.0347	3	0	0	0	0
## 174	26.540262	704.3855	3	1	1	2	1
## 175	23.836735	568.18994	3	0	0	0	0
## 176	28.604765	818.2326	2	0	1	1	1
## 177	37.766121	1426.2799	3	0	1	0	0
## 179	22.530865	507.63986	3	0	0	0	1
## 180	23.04002	530.84253	3	0	0	0	1
## 181	34.350639	1179.9664	2	0	0	0	0
## 183	28.859213	832.85419	3	0	1	0	0
## 184	44.412663	1972.4846	3	0	1	0	0
## 185	29.065744	844.8175	3	0	1	1	0
## 186	30.387106	923.37622	3	0	0	0	1
## 188	28.049671	786.78406	3	1	0	0	0
## 190	29.675135	880.61365	3	0	0	0	1
## 193	31.179138	972.13867	3	0	0	0	1
## 194	26.128611	682.70428	3	0	1	2	0
## 195	30.387144	923.37854	2	0	1	1	0
## 196	30.422968	925.55701	3	0	0	0	0
## 198	30.555555	933.64197	3	1	0	0	0
## 199	28.068918	787.8642	3	0	0	0	0
## 200	31.561672	996.13916	3	1	1	0	1
## 202	35.891514	1288.2008	3	1	0	0	0
## 203	26.423571	698.20508	3	0	1	1	0
## 204	24.772097	613.6568	3	1	0	0	0
## 205	32.192905	1036.3832	2	0	0	0	0
## 206	28.16666	793.36078	2	0	0	0	0
## 209	29.04657	843.70325	3	0	0	0	1
## 210	33.346481	1111.9878	3	1	1	2	0
## 211	31.652184	1001.8607	3	0	0	0	0
## 212	34.422173	1184.886	2	0	1	1	0
## 214	31.073542	965.565	2	1	1	1	0
## 215	24.977043	623.85266	3	0	0	0	1
## 216	27.173101	738.37744	3	0	0	0	0
## 217	30.405293	924.48181	2	0	0	0	0
## 218	30.67034	940.66974	3	0	1	1	0
## 220	25.249338	637.52905	3	0	1	0	1
## 222	31.971479	1022.1755	2	0	0	0	0
## 223	24.660494	608.13995	2	0	0	0	0
## 224	27.609451	762.2818	3	0	1	0	0
## 225	34.792046	1210.4865	3	0	1	0	0

## 226	26.775511	716.92798	3		0	0	0	0
## 227	24.857954	617.91791	2		0	0	0	0
## 228	23.808691	566.85376	2		0	1	3	1
## 229	26.277285	690.49567	3		0	0	0	0
## 230	26.303619	691.88037	3		0	0	0	0
## 231	31.314566	980.60205	3		0	0	0	0
## 232	26.093275	680.85901	2		1	1	1	1
## 233	33.024693	1090.6304	3		0	1	0	0
## 234	26.827421	719.71051	3		0	0	0	0
## 236	34.036163	1158.4604	3		0	1	1	0
## 238	28.628792	819.60773	3		0	1	1	0
## 239	24.913494	620.68219	3		0	0	0	0

##	anymssd	lowoutput	emerg	urg	elec	bmicat	bmi1	bmi2	bmi3	bmi4	bmi5	bmi6
## 1	0	0	1	0	0	3	0	0	1	0	0	0
## 2	0	0	0	0	1	6	0	0	0	0	0	1
## 3	0	0	0	0	1	4	0	0	0	1	0	0
## 4	0	0	0	1	0	3	0	0	1	0	0	0
## 5	0	0	0	0	1	4	0	0	0	1	0	0
## 6	0	0	0	0	1	5	0	0	0	0	1	0
## 7	0	0	0	1	0	4	0	0	0	1	0	0
## 8	0	0	0	0	1	3	0	0	1	0	0	0
## 10	0	0	0	1	0	3	0	0	1	0	0	0
## 11	0	0	0	1	0	5	0	0	0	0	1	0
## 12	0	0	0	0	1	3	0	0	1	0	0	0
## 13	0	0	0	1	0	3	0	0	1	0	0	0
## 14	0	0	0	1	0	5	0	0	0	0	1	0
## 16	0	0	0	1	0	4	0	0	0	1	0	0
## 17	0	0	0	0	1	3	0	0	1	0	0	0
## 18	0	0	0	0	1	4	0	0	0	1	0	0
## 19	0	0	0	1	0	5	0	0	0	0	1	0
## 20	0	0	0	0	1	3	0	0	1	0	0	0
## 21	1	0	0	1	0	4	0	0	0	1	0	0
## 23	0	0	0	1	0	3	0	0	1	0	0	0
## 25	0	0	0	1	0	4	0	0	0	1	0	0
## 26	0	0	0	1	0	4	0	0	0	1	0	0
## 27	0	0	0	0	1	3	0	0	1	0	0	0
## 28	0	0	0	0	1	2	0	1	0	0	0	0
## 29	0	0	0	0	1	3	0	0	1	0	0	0
## 30	0	0	0	0	1	4	0	0	0	1	0	0
## 33	0	0	0	1	0	3	0	0	1	0	0	0
## 34	0	0	0	0	1	1	1	0	0	0	0	0
## 35	0	0	0	1	0	2	0	1	0	0	0	0
## 36	0	0	0	1	0	4	0	0	0	1	0	0
## 37	0	0	0	1	0	3	0	0	1	0	0	0
## 38	0	0	0	1	0	3	0	0	1	0	0	0
## 39	0	0	0	1	0	3	0	0	1	0	0	0
## 40	0	0	0	0	1	3	0	0	1	0	0	0
## 41	0	0	0	0	1	4	0	0	0	1	0	0
## 43	0	0	0	0	1	3	0	0	1	0	0	0
## 44	0	0	0	1	0	3	0	0	1	0	0	0
## 45	0	0	0	1	0	3	0	0	1	0	0	0
## 46	0	0	0	1	0	2	0	1	0	0	0	0
## 47	0	0	0	1	0	3	0	0	1	0	0	0
## 48	0	0	0	1	0	3	0	0	1	0	0	0

## 49	0	0	0	0	1	3	0	0	1	0	0	0
## 50	0	0	0	0	1	6	0	0	0	0	0	1
## 51	0	1	0	0	1	3	0	0	1	0	0	0
## 52	0	0	0	1	0	2	0	1	0	0	0	0
## 54	0	0	0	1	0	4	0	0	0	1	0	0
## 55	0	0	0	0	1	3	0	0	1	0	0	0
## 56	0	0	0	0	1	3	0	0	1	0	0	0
## 57	0	0	0	1	0	4	0	0	0	1	0	0
## 58	0	0	0	1	0	3	0	0	1	0	0	0
## 59	0	0	0	1	0	3	0	0	1	0	0	0
## 60	0	0	0	1	0	3	0	0	1	0	0	0
## 62	0	0	0	0	1	3	0	0	1	0	0	0
## 65	0	0	0	1	0	6	0	0	0	0	0	1
## 67	0	0	0	1	0	6	0	0	0	0	0	1
## 68	0	0	0	1	0	3	0	0	1	0	0	0
## 69	0	0	0	1	0	5	0	0	0	0	1	0
## 70	0	0	0	1	0	3	0	0	1	0	0	0
## 71	0	0	0	1	0	4	0	0	0	1	0	0
## 72	0	0	0	0	1	4	0	0	0	1	0	0
## 73	0	0	0	0	1	4	0	0	0	1	0	0
## 74	0	0	0	0	1	4	0	0	0	1	0	0
## 75	0	0	0	1	0	6	0	0	0	0	0	1
## 76	0	0	0	1	0	3	0	0	1	0	0	0
## 77	0	0	0	1	0	3	0	0	1	0	0	0
## 79	0	0	0	1	0	2	0	1	0	0	0	0
## 80	0	0	0	0	1	2	0	1	0	0	0	0
## 81	0	0	0	1	0	3	0	0	1	0	0	0
## 83	0	0	0	1	0	3	0	0	1	0	0	0
## 87	0	0	0	1	0	3	0	0	1	0	0	0
## 88	0	0	0	0	1	3	0	0	1	0	0	0
## 89	0	0	0	1	0	2	0	1	0	0	0	0
## 90	0	0	0	0	1	3	0	0	1	0	0	0
## 91	0	0	0	1	0	4	0	0	0	1	0	0
## 92	0	0	0	0	1	4	0	0	0	1	0	0
## 93	0	0	0	1	0	2	0	1	0	0	0	0
## 94	0	0	0	1	0	3	0	0	1	0	0	0
## 95	0	0	0	1	0	3	0	0	1	0	0	0
## 96	0	0	0	0	1	3	0	0	1	0	0	0
## 97	0	0	0	1	0	6	0	0	0	0	0	1
## 98	0	0	0	0	1	4	0	0	0	1	0	0
## 99	0	0	0	1	0	2	0	1	0	0	0	0
## 100	0	0	0	1	0	3	0	0	1	0	0	0
## 101	0	0	0	1	0	2	0	1	0	0	0	0
## 102	0	0	0	0	1	4	0	0	0	1	0	0
## 103	0	0	0	1	0	3	0	0	1	0	0	0
## 105	0	0	0	0	1	4	0	0	0	1	0	0
## 107	0	0	0	1	0	3	0	0	1	0	0	0
## 108	0	0	0	1	0	4	0	0	0	1	0	0
## 109	0	0	0	1	0	2	0	1	0	0	0	0
## 110	0	0	0	0	1	3	0	0	1	0	0	0
## 112	0	0	0	1	0	2	0	1	0	0	0	0
## 113	0	0	0	0	1	4	0	0	0	1	0	0
## 116	0	0	0	1	0	3	0	0	1	0	0	0
## 118	0	0	0	0	1	2	0	1	0	0	0	0

## 119	0	0	0	0	1	2	0	1	0	0	0	0
## 120	0	0	0	0	1	4	0	0	0	1	0	0
## 121	0	0	0	0	1	3	0	0	1	0	0	0
## 122	0	0	0	1	0	2	0	1	0	0	0	0
## 123	0	0	0	0	1	3	0	0	1	0	0	0
## 124	0	0	0	1	0	2	0	1	0	0	0	0
## 125	0	0	0	0	1	2	0	1	0	0	0	0
## 126	0	0	0	0	1	3	0	0	1	0	0	0
## 127	0	0	0	1	0	3	0	0	1	0	0	0
## 128	0	0	0	1	0	5	0	0	0	0	1	0
## 129	0	0	0	1	0	4	0	0	0	1	0	0
## 131	0	0	0	0	1	3	0	0	1	0	0	0
## 132	0	0	0	0	1	4	0	0	0	1	0	0
## 134	0	0	0	1	0	4	0	0	0	1	0	0
## 136	0	0	0	0	1	3	0	0	1	0	0	0
## 137	0	0	0	1	0	3	0	0	1	0	0	0
## 139	0	0	0	1	0	5	0	0	0	0	1	0
## 140	0	0	0	0	1	4	0	0	0	1	0	0
## 141	0	0	0	0	1	4	0	0	0	1	0	0
## 142	0	0	0	1	0	2	0	1	0	0	0	0
## 144	0	0	0	1	0	3	0	0	1	0	0	0
## 146	0	0	0	1	0	2	0	1	0	0	0	0
## 147	0	0	0	1	0	3	0	0	1	0	0	0
## 148	0	0	0	1	0	2	0	1	0	0	0	0
## 149	0	0	0	0	1	3	0	0	1	0	0	0
## 150	0	0	0	0	1	3	0	0	1	0	0	0
## 151	0	0	0	1	0	4	0	0	0	1	0	0
## 154	0	0	0	0	1	5	0	0	0	0	1	0
## 155	0	0	0	1	0	3	0	0	1	0	0	0
## 156	0	0	0	1	0	5	0	0	0	0	1	0
## 157	0	0	0	1	0	3	0	0	1	0	0	0
## 158	0	0	0	1	0	2	0	1	0	0	0	0
## 159	0	0	0	1	0	3	0	0	1	0	0	0
## 160	0	0	0	0	1	4	0	0	0	1	0	0
## 161	0	1	0	1	0	3	0	0	1	0	0	0
## 162	0	0	0	1	0	4	0	0	0	1	0	0
## 163	0	0	0	1	0	3	0	0	1	0	0	0
## 164	0	0	0	1	0	2	0	1	0	0	0	0
## 166	0	1	0	0	1	4	0	0	0	1	0	0
## 167	0	0	0	0	1	3	0	0	1	0	0	0
## 168	0	0	0	1	0	4	0	0	0	1	0	0
## 169	0	0	0	1	0	2	0	1	0	0	0	0
## 170	0	0	0	1	0	6	0	0	0	0	0	1
## 171	0	0	0	1	0	2	0	1	0	0	0	0
## 172	0	0	0	1	0	4	0	0	0	1	0	0
## 174	0	0	1	0	0	3	0	0	1	0	0	0
## 175	0	0	0	1	0	2	0	1	0	0	0	0
## 176	0	0	0	1	0	3	0	0	1	0	0	0
## 177	0	0	0	1	0	5	0	0	0	0	1	0
## 179	0	0	0	0	1	2	0	1	0	0	0	0
## 180	0	0	0	1	0	2	0	1	0	0	0	0
## 181	0	0	0	1	0	4	0	0	0	1	0	0
## 183	0	0	0	1	0	3	0	0	1	0	0	0
## 184	0	0	0	0	1	6	0	0	0	0	0	1

## 185	0	0	0	0	1	3	0	0	1	0	0	0
## 186	0	0	0	0	1	4	0	0	0	1	0	0
## 188	0	0	0	0	1	3	0	0	1	0	0	0
## 190	0	0	1	0	0	3	0	0	1	0	0	0
## 193	0	0	0	1	0	4	0	0	0	1	0	0
## 194	0	0	0	1	0	3	0	0	1	0	0	0
## 195	0	0	0	1	0	4	0	0	0	1	0	0
## 196	0	0	0	1	0	4	0	0	0	1	0	0
## 198	0	0	0	1	0	4	0	0	0	1	0	0
## 199	0	0	0	1	0	3	0	0	1	0	0	0
## 200	0	0	0	0	1	4	0	0	0	1	0	0
## 202	0	0	0	1	0	5	0	0	0	0	1	0
## 203	0	0	0	1	0	3	0	0	1	0	0	0
## 204	0	0	0	1	0	2	0	1	0	0	0	0
## 205	0	0	0	1	0	4	0	0	0	1	0	0
## 206	0	0	0	1	0	3	0	0	1	0	0	0
## 209	0	0	0	1	0	3	0	0	1	0	0	0
## 210	0	0	0	1	0	4	0	0	0	1	0	0
## 211	0	0	0	1	0	4	0	0	0	1	0	0
## 212	0	0	0	1	0	4	0	0	0	1	0	0
## 214	0	0	0	1	0	4	0	0	0	1	0	0
## 215	0	0	0	1	0	2	0	1	0	0	0	0
## 216	0	0	0	1	0	3	0	0	1	0	0	0
## 217	0	0	0	1	0	4	0	0	0	1	0	0
## 218	0	0	0	1	0	4	0	0	0	1	0	0
## 220	0	0	0	0	1	3	0	0	1	0	0	0
## 222	0	0	0	0	1	4	0	0	0	1	0	0
## 223	0	0	0	1	0	2	0	1	0	0	0	0
## 224	0	0	0	1	0	3	0	0	1	0	0	0
## 225	0	0	0	0	1	4	0	0	0	1	0	0
## 226	0	0	0	1	0	3	0	0	1	0	0	0
## 227	0	0	0	1	0	2	0	1	0	0	0	0
## 228	0	0	0	1	0	2	0	1	0	0	0	0
## 229	0	0	0	0	1	3	0	0	1	0	0	0
## 230	0	0	0	1	0	3	0	0	1	0	0	0
## 231	0	0	0	1	0	4	0	0	0	1	0	0
## 232	1	0	0	1	0	3	0	0	1	0	0	0
## 233	0	0	0	0	1	4	0	0	0	1	0	0
## 234	0	0	0	0	1	3	0	0	1	0	0	0
## 236	0	0	1	0	0	4	0	0	0	1	0	0
## 238	0	0	0	1	0	3	0	0	1	0	0	0
## 239	0	0	0	0	1	2	0	1	0	0	0	0
##	lvedpm	anemiapre	iabpintra	lof1	ptimenumban	ctimenumban	cardtimenumban					
## 1	0	0	0	0	56	45.75	7.75					
## 2	0	0	0	0	38.5	24.5	9					
## 3	0	1	0	0	29.25	20.75	4.75					
## 4	0	0	0	0	24.5	12.75	6.25					
## 5	1	0	0	0	23	12.666667	6.666665					
## 6	0	0	0	0	23.666666	9.333333	7.333335					
## 7	0	0	0	0	44.400002	38.400002	6.599999					
## 8	0	0	0	0	23	7	5.666665					
## 10	0	0	0	0	25.333334	20.666666	5					
## 11	1	0	0	1	27.6	22.6	6.800002					
## 12	0	0	0	0	41	24	5.666665					

## 13	0	1	0	0	21	16.799999	2.8
## 14	1	0	0	0	0	0	0
## 16	1	1	0	0	30.75	26.25	2.5
## 17	1	0	0	0	15.666667	9.666667	8.333333
## 18	0	0	0	0	24	18	4
## 19	0	1	0	0	28.333334	23.666666	5.333333
## 20	0	0	0	0	37.333332	24.666666	6.666665
## 21	0	1	0	0	34.400002	19	2.599999
## 23	0	1	0	0	31.333334	16.333334	4.333333
## 25	1	1	0	0	25.5	17	6.5
## 26	0	1	0	0	27.25	22.5	3.5
## 27	1	0	0	0	27	14	10.79235
## 28	1	1	0	0	0	0	0
## 29	0	0	0	0	27.5	18.5	4.5
## 30	1	0	0	0	26.25	14.5	3
## 33	0	1	0	0	24	17	2.75
## 34	0	0	0	0	38.75	15.25	5.25
## 35	1	1	0	0	23	16	5
## 36	1	0	0	0	35.5	18	10.79235
## 37	0	0	0	0	33.25	18.25	5.3961749
## 38	1	0	0	0	30.25	20.5	5.5
## 39	1	1	0	0	35.333332	20.666666	6.333333
## 40	1	0	0	0	25.75	14.75	4
## 41	0	1	0	0	37.333332	27	4.666665
## 43	0	1	0	0	44.75	32.25	6.5
## 44	0	0	0	0	15.6	9.399999	5
## 45	0	0	0	0	24.5	18.75	3.25
## 46	0	1	0	0	43.666668	0	0
## 47	0	1	0	0	31	19	5.333333
## 48	1	1	0	0	26.25	16	3
## 49	0	0	0	0	16.666666	11.333333	7.1949
## 50	0	1	0	0	34	19.666666	5.666665
## 51	0	1	0	1	24.6	16.799999	2.400000
## 52	1	1	0	0	25	17	7.333333
## 54	1	1	0	0	24.4	14.2	199.8
## 55	0	0	0	0	33	23.666666	4.333333
## 56	0	0	0	0	23.25	17	2.75
## 57	0	0	0	0	30	11	4.5
## 58	0	0	0	0	31.666666	17.666666	8.333333
## 59	0	0	0	0	27.333334	19	4.333333
## 60	0	0	0	0	20.4	11.2	7.199999
## 62	0	0	0	0	18.799999	14	2.8
## 65	1	1	0	0	20.666666	13	3.333333
## 67	0	1	0	0	34	25.770967	6.333333
## 68	0	1	0	0	20.25	15.25	3.75
## 69	0	1	0	0	26.799999	19.200001	2.400000
## 70	0	0	0	0	37	24	6.333333
## 71	0	0	0	0	20	15	2.25
## 72	0	0	0	0	28.333334	14.666667	4
## 73	0	0	0	0	25.6	15	3.599999
## 74	0	1	0	0	35	22.333334	4.333333
## 75	0	0	0	0	30.666666	24.333334	5.666665
## 76	0	0	0	0	31.5	15.5	5.3961749
## 77	0	1	0	0	0	0	0

## 79	1	1	0	0	41.333332	32.333332	5
## 80	0	0	0	0	23.666666	15.333333	13.666667
## 81	1	0	0	0	26.333334	14	7
## 83	1	1	0	0	26.5	19.5	15
## 87	0	0	0	0	32	13.333333	3.666667
## 88	0	1	0	0	35.333332	15.666667	7.666665
## 89	1	1	0	0	0	0	0
## 90	1	0	0	0	20.75	15.5	2.5
## 91	1	1	0	0	28	19.25	4
## 92	0	1	0	0	20	9	10.79235
## 93	1	0	0	0	28.75	21	9.75
## 94	1	1	0	0	25.333334	12.666667	7.333335
## 95	0	0	0	0	50.666668	21.333334	13.666667
## 96	1	1	0	0	27	15	6
## 97	0	1	0	0	31.75	16.25	5
## 98	1	0	0	0	25.666666	14.333333	2.333333
## 99	1	1	0	0	24.200001	17.6	2.599999
## 100	1	1	0	0	153	88	14
## 101	0	1	0	0	25.5	17	2.5
## 102	1	1	0	0	19.25	15	3.25
## 103	0	0	0	0	26	14.25	9.5
## 105	0	0	0	0	24.75	12.75	7.5
## 107	1	1	0	0	22.75	18	2.5
## 108	0	0	0	0	30	14.5	5.3961749
## 109	0	1	0	0	27.6	19	2.2
## 110	1	1	0	0	28	18.333334	3.666667
## 112	0	0	0	0	28.666666	17	6.666665
## 113	1	0	0	0	23.25	16.75	2.5
## 116	0	0	0	0	29.333334	23.333334	3.333333
## 118	0	0	0	0	22.333334	0	0
## 119	1	0	0	0	117	88	21
## 120	0	0	0	0	26.25	20.25	3.75
## 121	0	0	0	0	27.25	16.75	3
## 122	0	0	0	0	27.25	10	4.5
## 123	0	0	0	0	25	10.5	2.5
## 124	0	0	0	0	18.200001	15.8	2
## 125	0	0	0	0	39.666668	23.666666	7
## 126	1	1	0	0	24	19.75	2.5
## 127	1	0	0	0	26.799999	14.4	199.8
## 128	0	0	0	0	27	21.333334	8
## 129	0	0	0	0	21.6	15	2.4000001
## 131	0	0	0	0	25.25	13.5	4
## 132	1	0	0	0	16.799999	13.6	4.1999998
## 134	0	1	0	0	27.166666	17.5	2
## 136	0	0	0	0	0	0	0
## 137	1	1	0	0	39.200001	28.6	4
## 139	0	0	0	1	37.5	24.75	3
## 140	0	0	0	0	25.333334	13	5.3333335
## 141	1	0	0	0	13	7	5.5
## 142	0	0	0	0	0	0	0
## 144	0	0	0	0	28.5	16	6.25
## 146	0	1	0	0	25.25	17.75	2.75
## 147	0	1	0	0	24.5	12.5	10
## 148	0	1	0	0	23	19.200001	6

## 149	0	0	0	0	25	10	7
## 150	1	0	0	0	23	18	5.25
## 151	0	1	0	0	36.666668	22.666666	7
## 154	0	0	0	0	22.5	16.25	3.75
## 155	1	0	0	0	39.333332	25	333
## 156	0	0	0	0	29.333334	10.666667	3.3333333
## 157	0	1	0	0	25	17	3.3333333
## 158	1	0	0	0	22.25	13	5
## 159	0	0	0	0	31.666666	25.770967	7.1949
## 160	0	1	0	0	25.799999	17.6	3
## 161	1	1	1	1	24.4	20.4	6.4000001
## 162	0	1	0	0	28	13	10.79235
## 163	1	0	0	0	23.666666	13	333
## 164	1	0	0	0	32.599998	16.200001	199.8
## 166	0	0	1	1	42	14.333333	4.3333335
## 167	0	0	0	0	39	27.5	11.5
## 168	1	0	0	0	30.666666	23.666666	5.3333335
## 169	0	1	0	0	31.666666	24	3.3333333
## 170	0	1	0	0	33.666668	23	8
## 171	1	0	0	0	55	47	10
## 172	0	0	0	0	22	13.5	5.3961749
## 174	0	1	0	0	0	0	0
## 175	0	0	0	0	29	17	10.79235
## 176	0	1	0	0	25	17.666666	4.3333335
## 177	1	0	0	0	18.200001	15	2
## 179	0	0	0	0	29.25	14.25	9.75
## 180	0	0	0	0	28	19.5	4
## 181	1	0	0	0	35.25	21.5	5
## 183	0	1	0	0	62	43.5	11.5
## 184	0	0	0	0	36.333332	22.666666	6.3333335
## 185	1	0	0	0	28.75	17.5	6.5
## 186	1	0	0	0	27.75	15.75	7.25
## 188	0	0	0	0	59.5	30.5	10.5
## 190	1	0	0	0	35.333332	23.666666	6
## 193	1	1	0	0	46	35.333332	8
## 194	0	1	0	0	22.200001	16.799999	4.4000001
## 195	0	1	0	0	29	19.25	4.25
## 196	1	1	0	0	27	15.6	4
## 198	0	1	0	0	30	16.666666	4
## 199	0	1	0	0	25.666666	15	6.6666665
## 200	0	1	0	0	31.333334	14.666667	14
## 202	0	0	0	0	38.666668	28	9
## 203	1	0	0	0	61.387001	38.656448	10.79235
## 204	1	0	0	0	18.666666	12.333333	3.3333333
## 205	1	0	0	0	23.666666	15.333333	7.3333335
## 206	0	0	0	0	27	19	6
## 209	0	0	0	0	33.5	23.5	8.5
## 210	0	0	0	0	29.5	15	5.3961749
## 211	0	0	0	0	21.5	16	3
## 212	0	0	0	0	29	17.5	4.5
## 214	0	1	0	0	32.666668	22.333334	4
## 215	0	0	0	0	27.4	20	2.5999999
## 216	0	0	0	0	16.714285	12.571428	3.5714285
## 217	0	0	0	0	0	0	0

## 218	1	1	0	0	39.666668	19.333334	2.3333333
## 220	0	1	0	0	29.5	20	4.5
## 222	0	0	0	0	0	0	0
## 223	1	1	0	0	24.25	16.5	2.25
## 224	0	0	0	0	26.333334	13.333333	7.1949
## 225	1	0	0	0	27	17	5.6666665
## 226	1	0	0	0	18.799999	12.8	4.8000002
## 227	1	0	0	0	23.75	20	6.25
## 228	0	1	0	0	29.5	14.5	3.5
## 229	0	0	0	0	47.5	33.25	6.25
## 230	1	0	0	0	23.5	14	3
## 231	1	0	0	0	26.4	22	4.5999999
## 232	1	1	0	0	16.75	10.75	6.5
## 233	0	0	0	0	28.200001	20.6	2
## 234	0	0	0	0	32	21.25	3.25
## 236	1	1	0	0	22.799999	13	4.3169398
## 238	0	0	0	0	26	13.333333	11.666667
## 239	1	0	0	0	31	15.666667	7.3333335
##	cardblood	cardcold	hotshot	aoxcon	ultrafilyn	cabg valve	cabgvalve gfr60pre
## 1	1	1	0	0	0	0	1
## 2	1	0	1	0	0	1	0
## 3	1	0	1	0	1	1	0
## 4	0	1	0	0	0	1	0
## 5	1	0	1	0	0	1	0
## 6	1	1	1	0	0	1	0
## 7	1	0	1	0	0	0	1
## 8	1	1	1	0	0	1	0
## 10	1	0	1	1	0	1	0
## 11	1	1	0	1	0	1	0
## 12	1	0	1	0	0	1	0
## 13	1	1	0	0	1	1	0
## 14	0	1	0	0	0	1	0
## 16	1	1	0	0	0	1	0
## 17	1	1	0	0	0	1	0
## 18	1	0	1	1	0	1	0
## 19	1	0	1	1	0	1	0
## 20	1	0	1	0	0	1	0
## 21	1	0	1	1	0	1	0
## 23	1	0	1	0	0	1	0
## 25	1	0	1	0	1	1	0
## 26	1	1	1	0	1	1	0
## 27	0	1	0	0	0	1	0
## 28	0	0	0	0	0	1	0
## 29	1	0	1	1	0	1	0
## 30	1	0	1	0	0	1	0
## 33	1	0	1	1	0	1	0
## 34	1	1	1	0	0	1	0
## 35	1	1	0	0	0	1	0
## 36	1	0	1	0	0	1	0
## 37	1	0	1	0	0	1	0
## 38	1	1	1	0	0	1	0
## 39	1	0	1	0	0	1	0
## 40	1	1	1	0	0	1	0
## 41	1	0	0	0	0	1	0

## 43	1	0	1	0	1	1	0	0	0
## 44	1	1	0	0	0	1	0	0	0
## 45	1	0	1	1	0	1	0	0	0
## 46	0	0	0	0	0	1	0	0	0
## 47	1	0	1	0	0	1	0	0	0
## 48	1	0	0	0	0	1	0	0	0
## 49	1	1	0	0	0	1	0	0	0
## 50	1	0	1	0	0	1	0	0	1
## 51	1	0	1	1	1	1	0	0	1
## 52	1	0	1	0	0	1	0	0	0
## 54	1	0	1	0	0	1	0	0	1
## 55	1	0	1	1	0	1	0	0	0
## 56	1	0	1	1	0	1	0	0	0
## 57	1	1	1	0	0	1	0	0	1
## 58	1	1	0	0	0	1	0	0	0
## 59	1	0	1	1	0	1	0	0	0
## 60	1	1	0	0	0	1	0	0	0
## 62	1	1	0	0	1	1	0	0	1
## 65	1	0	1	0	0	1	0	0	0
## 67	1	0	1	1	0	1	0	0	0
## 68	1	0	0	1	0	1	0	0	0
## 69	1	0	1	1	0	1	0	0	0
## 70	1	1	0	0	0	1	0	0	0
## 71	1	0	1	1	0	1	0	0	0
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## 73	0	1	0	0	1	1	0	0	0
## 74	1	0	1	1	0	1	0	0	1
## 75	1	0	1	1	0	1	0	0	0
## 76	1	0	1	0	0	1	0	0	0
## 77	0	0	0	0	0	1	0	0	1
## 79	1	0	0	1	0	0	0	1	0
## 80	1	0	1	0	0	1	0	0	0
## 81	1	0	1	0	0	1	0	0	0
## 83	0	0	1	1	0	1	0	0	0
## 87	1	1	1	0	0	1	0	0	0
## 88	1	0	1	0	0	1	0	0	0
## 89	0	0	0	0	0	1	0	0	0
## 90	1	1	0	0	0	1	0	0	0
## 91	1	0	1	0	0	1	0	0	0
## 92	1	1	0	0	0	1	0	0	0
## 93	1	0	1	1	0	1	0	0	0
## 94	1	1	0	0	0	1	0	0	0
## 95	1	1	0	0	0	1	0	0	0
## 96	1	1	0	0	0	1	0	0	1
## 97	1	1	0	0	0	1	0	0	0
## 98	1	0	1	1	0	1	0	0	0
## 99	1	0	1	1	0	1	0	0	0
## 100	0	1	1	1	0	0	0	1	1
## 101	1	0	1	1	0	1	0	0	0
## 102	1	0	1	1	0	1	0	0	0
## 103	1	0	1	0	0	1	0	0	0
## 105	1	1	0	0	0	1	0	0	1
## 107	1	1	0	0	1	1	0	0	1
## 108	1	0	1	0	0	1	0	0	0

## 109	1	0	1	1	0	1	0	0	0
## 110	1	0	1	1	0	1	0	0	1
## 112	1	0	1	0	0	1	0	0	0
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## 119	1	0	1	1	0	0	0	1	0
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## 121	1	0	1	1	1	1	0	0	0
## 122	1	1	0	0	0	1	0	0	0
## 123	1	1	0	0	0	1	0	0	0
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## 125	1	0	1	0	0	1	0	0	0
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## 127	1	0	1	0	0	1	0	0	0
## 128	1	0	1	1	0	1	0	0	0
## 129	1	0	0	0	0	1	0	0	0
## 131	1	1	0	0	0	1	0	0	0
## 132	1	0	1	1	0	1	0	0	0
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## 136	0	0	0	0	0	1	0	0	0
## 137	1	0	1	0	1	0	0	1	0
## 139	1	0	1	1	0	1	0	0	0
## 140	1	0	1	0	0	1	0	0	0
## 141	1	1	1	0	0	1	0	0	0
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## 144	1	0	1	0	0	1	0	0	0
## 146	1	1	0	0	0	1	0	0	0
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## 150	0	1	1	1	0	1	0	0	0
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## 156	1	1	1	0	0	1	0	0	0
## 157	1	1	0	0	0	1	0	0	0
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## 159	0	1	0	0	0	1	0	0	1
## 160	1	0	1	1	1	1	0	0	0
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## 162	1	1	0	0	0	1	0	0	0
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## 164	1	0	1	0	0	1	0	0	0
## 166	1	1	1	0	0	1	0	0	0
## 167	1	0	1	0	0	1	0	0	0
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## 169	1	0	0	1	0	0	0	1	0
## 170	1	0	1	1	0	1	0	0	0
## 171	1	0	1	1	0	0	0	1	0
## 172	1	0	1	0	0	1	0	0	0
## 174	0	0	0	0	0	1	0	0	0
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## 177	0	0	0	1	0	1	0	0	0
## 179	1	1	0	0	0	1	0	0	0
## 180	1	0	1	0	0	1	0	0	1
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## 184	1	0	1	0	0	1	0	0	0
## 185	1	0	1	0	0	1	0	0	0
## 186	1	0	1	0	0	1	0	0	0
## 188	1	1	0	0	0	1	0	0	0
## 190	1	0	1	1	0	1	0	0	0
## 193	1	0	1	1	0	0	0	1	0
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## 195	1	0	1	1	1	1	0	0	0
## 196	1	1	0	1	0	1	0	0	1
## 198	1	0	1	1	1	1	0	0	0
## 199	1	0	1	0	0	1	0	0	1
## 200	1	0	1	0	0	1	0	0	0
## 202	1	0	1	1	0	1	0	0	1
## 203	0	1	0	0	0	1	0	0	0
## 204	1	0	1	0	0	1	0	0	0
## 205	1	0	1	0	0	1	0	0	0
## 206	1	0	1	1	0	1	0	0	0
## 209	1	0	1	0	0	1	0	0	0
## 210	1	0	1	0	0	1	0	0	0
## 211	1	0	1	1	0	1	0	0	0
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## 214	1	0	1	1	0	1	0	0	0
## 215	1	0	1	1	0	1	0	0	0
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## 217	0	0	0	0	0	1	0	0	1
## 218	1	0	1	1	0	1	0	0	0
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## 222	0	0	0	0	0	1	0	0	0
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## 224	1	0	1	0	0	1	0	0	0
## 225	1	0	1	0	0	1	0	0	0
## 226	1	0	1	0	0	1	0	0	0
## 227	1	0	1	1	0	1	0	0	0
## 228	1	0	1	0	0	1	0	0	0
## 229	0	1	0	0	1	0	0	1	0
## 230	0	0	1	0	0	1	0	0	0
## 231	1	1	1	1	0	1	0	0	0
## 232	1	0	1	0	0	1	0	0	0
## 233	1	0	1	1	0	1	0	0	0
## 234	1	0	1	1	0	1	0	0	1
## 236	1	0	0	0	0	1	0	0	0
## 238	1	0	1	0	0	1	0	0	0
## 239	1	0	1	0	0	1	0	0	0
##	male	notcoldcard	fluidprel	ptime120	heptotl	heptot5	tcys0	cyspre3cat	
## 1	1	0	1.4	1	50.400002	1	3	3	
## 2	1	1	1.5	0	47	0	2	2	
## 3	1	1	1.2	0	37	0	3	3	
## 4	1	0	2	0	35	0	1	1	
## 5	1	1	1	0	54.799999	1	3	3	

## 6	1	0 0.69999999	0 6.6999998	0	2	2
## 7	1	1 1.3	1 76.800003	1	1	1
## 8	1	0 0.69999999	0 45	0	<NA>	<NA>
## 10	1	1 0.89999998	0 48	0	2	2
## 11	1	0 1	1 44	0	2	2
## 12	1	1 1.1	1 45	0	3	3
## 13	1	0 0.60000002	0 66	1	<NA>	<NA>
## 14	1	0 0	0 49.359901	0	1	1
## 16	1	0 2.05	1 40	0	1	1
## 17	1	0 0	0 28	0	<NA>	<NA>
## 18	1	1 1	0 4.3000002	0	1	1
## 19	1	1 1.1	0 38	0	<NA>	<NA>
## 20	1	1 1.8	0 37	0	3	3
## 21	1	1 0.89999998	1 84	1	1	1
## 23	1	1 1.85	0 59.700001	1	3	3
## 25	1	1 1.2	0 50.279999	1	3	3
## 26	1	0 0.40000001	0 40	0	3	3
## 27	1	0 0	0 49.359901	0	2	2
## 28	1	1 0	0 49.359901	0	3	3
## 29	1	1 1	0 44	0	1	1
## 30	1	1 1.5	0 49	0	1	1
## 33	1	1 1.5	0 60	1	2	2
## 34	1	0 1	1 45	0	2	2
## 35	1	0 0.80000001	0 36	0	1	1
## 36	1	1 1	0 44.599998	0	1	1
## 37	1	1 1.65	1 41.5	0	2	1
## 38	1	0 1.95	1 48.299999	0	2	2
## 39	1	1 1.25	0 41.200001	0	2	2
## 40	1	0 0.5	0 41.599998	0	3	3
## 41	1	1 0.80000001	0 45	0	1	1
## 43	1	1 0.5	1 38	0	2	2
## 44	1	0 1.2	0 30	0	1	1
## 45	1	1 2	0 53	1	2	2
## 46	1	1 1	1 33	0	3	3
## 47	1	1 0.95999998	0 40.5	0	1	1
## 48	1	1 3	0 50	1	2	2
## 49	1	0 0	0 49.359901	0	2	2
## 50	1	1 0.75	0 49	0	3	3
## 51	1	1 2	1 2.7	0	3	3
## 52	1	1 1.2	0 42.900002	0	1	1
## 54	1	1 1.5	1 46.400002	0	3	3
## 55	1	1 1.6	0 48	0	1	1
## 56	1	1 0	0 2.8	0	3	3
## 57	1	0 0.69999999	1 49	0	2	2
## 58	1	0 0	0 54	1	1	1
## 59	1	1 0.60000002	0 35	0	2	2
## 60	1	0 0	0 35	0	<NA>	<NA>
## 62	1	0 0.60000002	0 32	0	3	3
## 65	1	1 1	0 59	1	<NA>	<NA>
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## 68	1	1 2.8	0 93	1	3	3
## 69	1	1 2.5	1 45	0	1	1
## 70	1	0 0.2	0 44	0	1	1
## 71	1	1 1.3	0 92	1	1	1

## 72	1	1	1.1	0	50	1	3	3
## 73	1	0	1.4	1	46	0	2	2
## 74	1	1	0.89999998	0	47	0	3	3
## 75	1	1	1.7	0	55	1	3	3
## 76	1	1	1	1	41.599998	0	1	1
## 77	1	1	0	0	31	0	3	3
## 79	1	1	0.89999998	1	50	1	2	2
## 80	1	1	0	0	32	0	1	1
## 81	1	1	1.85	0	46.400002	0	1	1
## 83	1	1	1.5	0	47	0	3	3
## 87	1	0	0.30000001	0	43	0	3	3
## 88	1	1	0.69999999	0	40	0	3	3
## 89	1	1	0	0	49.359901	0	3	3
## 90	1	0	1	0	40	0	2	2
## 91	1	1	1.15	0	53.200001	1	1	1
## 92	1	0	1.1	0	41	0	3	3
## 93	1	1	1	0	36.099998	0	3	3
## 94	1	0	0.80000001	0	40	0	2	2
## 95	1	0	0	1	30	0	3	3
## 96	1	0	1.2	0	29	0	3	3
## 97	1	0	0	1	45	0	3	3
## 98	1	1	1.4	0	34	0	2	2
## 99	1	1	0	1	28	0	2	2
## 100	1	0	1.2	1	47	0	3	3
## 101	1	1	3	0	34	0	2	2
## 102	1	1	1	0	39	0	<NA>	<NA>
## 103	1	1	1.3	0	44	0	1	1
## 105	1	0	0	0	35	0	1	1
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## 108	1	1	0	1	49.359901	0	2	2
## 109	1	1	1.3	1	32	0	2	2
## 110	1	1	1.1	0	45	0	3	3
## 112	1	1	0	0	35	0	1	1
## 113	1	0	1.9	0	36	0	2	2
## 116	1	0	0.40000001	0	46	0	1	1
## 118	1	1	3	0	32	0	2	2
## 119	1	1	2.75	0	45.200001	0	2	2
## 120	1	1	1.8	0	29	0	2	2
## 121	1	1	2	0	45	0	1	1
## 122	1	0	1.4	0	52	1	1	1
## 123	1	0	1	0	5.5999999	0	2	2
## 124	1	0	1.3	0	42	0	<NA>	<NA>
## 125	1	1	1.2	0	32	0	1	1
## 126	1	0	0.2	0	49	0	2	2
## 127	1	1	1.5	1	50	1	2	2
## 128	1	1	1.65	0	53.400002	1	2	1
## 129	1	1	1.2	0	43	0	1	1
## 131	1	0	1.8	0	38	0	1	1
## 132	1	1	1.25	0	47.200001	0	1	1
## 134	1	0	0.60000002	1	57	1	<NA>	<NA>
## 136	1	1	0	0	49.359901	0	2	2
## 137	1	1	1.6	1	52.400002	1	3	2
## 139	1	1	2	1	34	0	2	2
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## 141	1	0 0.60000002	0 5.4000001	0	2	2
## 142	1	0 1.3	0 49.359901	0	1	1
## 144	1	1 1.75	0 37.700001	0	1	1
## 146	1	0 0.5	0 60	1	<NA>	<NA>
## 147	1	1 1.2	0 3.7	0	3	3
## 148	1	1 0.80000001	0 39.700001	0	1	1
## 149	1	0 1.2	0 45	0	2	2
## 150	1	0 0.60000002	0 42	0	2	2
## 151	1	1 1.2	0 41	0	3	3
## 154	1	1 1	0 36	0	3	3
## 155	1	1 0.80000001	0 55	1	1	1
## 156	1	0 1	0 70	1	1	1
## 157	1	0 1.8	0 38	0	2	2
## 158	1	1 1.45	0 43.799999	0	1	1
## 159	1	0 1.265	0 42	0	3	3
## 160	1	1 0	1 3.0999999	0	3	3
## 161	1	1 1.6	1 43.299999	0	1	1
## 162	1	0 0.40000001	0 48	0	2	2
## 163	1	1 1.75	0 43	0	2	2
## 164	1	1 1.2	1 41.400002	0	1	1
## 166	1	0 0.89999998	1 6.1999998	0	2	2
## 167	1	1 1.4	0 41	0	1	1
## 168	1	1 1.95	0 56	1	3	3
## 169	1	1 1	0 45	0	1	1
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## 171	1	1 1.5	1 47.599998	0	1	1
## 172	1	1 0	0 49.359901	0	1	1
## 174	1	1 0	0 49.359901	0	2	2
## 175	1	0 1.2	0 36	0	1	1
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## 177	1	1 2	0 58	1	3	3
## 179	1	0 1.8	0 49.359901	0	1	1
## 180	1	1 1.4	0 42	0	2	2
## 181	1	1 1.4	1 10.28	0	1	1
## 183	1	1 0.69999999	1 51	1	3	3
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## 185	1	1 1.6	0 43.599998	0	2	2
## 186	1	1 1.75	0 46.900002	0	1	1
## 188	1	0 0.75	0 60	1	<NA>	<NA>
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## 194	1	1 1	0 48.799999	0	3	3
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## 198	1	1 2	0 33	0	2	2
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## 211	1	1	1.5	0	42	0	1	1
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## 217	1	1	0	0	49.359901	0	1	1
## 218	1	1	1.4	0	65	1	2	2
## 220	1	1	1	0	34	0	3	3
## 222	1	1	0	0	49.359901	0	3	3
## 223	1	1	1	0	34	0	2	2
## 224	1	1	1.4	0	49	0	2	2
## 225	1	1	2.9000001	0	53.599998	1	3	3
## 226	1	1	1.05	0	43	0	3	3
## 227	1	1	1.6	0	41	0	1	1
## 228	1	1	1.1	0	37.299999	0	3	3
## 229	1	0	1.7	1	40	0	2	2
## 230	1	1	1.5	0	57	1	1	1
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## 232	1	1	1	0	41.759998	0	3	3
## 233	1	1	2	1	33	0	2	1
## 234	1	1	0.55000001	1	31	0	3	3
## 236	1	1	0	0	49.359901	0	1	1
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## 239	1	1	0	0	42	0	2	2
##	i_cyspre3cat1	i_cyspre3cat2	i_cyspre3cat3	logcys0	tcys1	cyspost3cat		
## 1	0	0	1	0.12224418	<NA>	<NA>		
## 2	0	1	0	-0.16881044	2	2		
## 3	0	0	1	-0.062448971	2	2		
## 4	1	0	0	-0.56585217	<NA>	<NA>		
## 5	0	0	1	0.2670303	3	3		
## 6	0	1	0	-0.19915363	2	2		
## 7	1	0	0	-0.49806243	1	1		
## 8	<NA>	<NA>	<NA>	<NA>	2	2		
## 10	0	1	0	-0.30794191	<NA>	<NA>		
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## 12	0	0	1	-0.046936482	2	2		
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## 17	<NA>	<NA>	<NA>	<NA>	1	1		
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## 21	1	0	0	-0.36350968	1	1		
## 23	0	0	1	0.06619028	2	2		
## 25	0	0	1	0.82642728	3	3		
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## 28	0	0	1	0.17571646	3	3		
## 29	1	0	0	-0.4270882	<NA>	<NA>		
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## 38	0	1	0	-0.23730966	3	2
## 39	0	1	0	-0.25443429	<NA>	<NA>
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## 41	1	0	0	-0.39877006	1	1
## 43	0	1	0	-0.31730726	<NA>	<NA>
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## 45	0	1	0	-0.27255836	<NA>	<NA>
## 46	0	0	1	0.13528235	2	2
## 47	1	0	0	-0.40975177	2	2
## 48	0	1	0	-0.29322004	1	1
## 49	0	1	0	-0.20129645	<NA>	<NA>
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## 51	0	0	1	0.77822334	3	3
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## 55	1	0	0	-0.57902771	1	1
## 56	0	0	1	-0.032368246	3	3
## 57	0	1	0	-0.10928041	<NA>	<NA>
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## 59	0	1	0	-0.28380027	2	2
## 60	<NA>	<NA>	<NA>	<NA>	1	1
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## 65	<NA>	<NA>	<NA>	<NA>	2	2
## 67	0	0	1	-0.096922882	3	3
## 68	0	0	1	0.00037992781	3	3
## 69	1	0	0	-0.4144766	1	1
## 70	1	0	0	-0.37204388	<NA>	<NA>
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## 72	0	0	1	-0.065686911	<NA>	<NA>
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## 74	0	0	1	0.027770797	<NA>	<NA>
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## 80	1	0	0	-0.33687791	1	1
## 81	1	0	0	-0.64672935	1	1
## 83	0	0	1	0.375054	3	3
## 87	0	0	1	-0.057826165	<NA>	<NA>
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## 89	0	0	1	-0.051359612	3	3
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## 91	1	0	0	-0.60310358	2	2
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## 109	0	1	0	-0.26604715	2	2
## 110	0	0	1	0.24483459	<NA>	<NA>
## 112	1	0	0	-0.36442634	<NA>	<NA>
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## 119	0	1	0	-0.28520516	2	2
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## 121	1	0	0	-0.36547211	2	2
## 122	1	0	0	-0.45462489	<NA>	<NA>
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## 126	0	1	0	-0.30979952	<NA>	<NA>
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## 128	1	0	0	-0.3285124	2	2
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## 140	0	0	1	-0.043182068	1	1
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## 170	1	0	0	-0.41950521	3	3
## 171	1	0	0	-0.44458854	1	1
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## 184	1	0	0	-0.52845514	1	1
## 185	0	1	0	-0.21217765	3	3
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## 209	0	0	1	-0.078762941	1	1
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## 211	1	0	0	-0.77179438	1	1
## 212	<NA>	<NA>	<NA>	<NA>	3	3
## 214	0	1	0	-0.14508127	3	3
## 215	1	0	0	-0.36363626	1	1
## 216	0	0	1	-0.018861771	3	3
## 217	1	0	0	-0.35698786	1	1
## 218	0	1	0	-0.14916033	<NA>	<NA>
## 220	0	0	1	-0.034063634	3	3
## 222	0	0	1	0.023775119	2	2
## 223	0	1	0	-0.19135544	2	2
## 224	0	1	0	-0.32303572	<NA>	<NA>
## 225	0	0	1	0.16323218	3	3
## 226	0	0	1	-0.094334856	3	3
## 227	1	0	0	-0.40184268	2	2
## 228	0	0	1	0.36360091	3	3
## 229	0	1	0	-0.27730411	<NA>	<NA>
## 230	1	0	0	-0.5372346	1	1
## 231	1	0	0	-0.34855232	1	1
## 232	0	0	1	0.14149088	3	3
## 233	1	0	0	-0.33031544	2	2
## 234	0	0	1	0.084717914	2	2
## 236	1	0	0	-0.47355393	3	3
## 238	0	0	1	0.061019838	3	3
## 239	0	1	0	-0.32553625	<NA>	<NA>

##	i_cyspost3cat1	i_cyspost3cat2	i_cyspost3cat3	logcys1	cysdiff
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## 2	0	1	0	-0.1285177	0.034729
## 3	0	1	0	-0.13151971	-0.062698998
## 4	<NA>	<NA>	<NA>	<NA>	<NA>
## 5	0	0	1	0.80658299	0.93415999
## 6	0	1	0	-0.2039367	-0.00391
## 7	1	0	0	-0.30287015	0.130988
## 8	0	1	0	-0.21379612	<NA>
## 10	<NA>	<NA>	<NA>	<NA>	<NA>
## 11	<NA>	<NA>	<NA>	<NA>	<NA>
## 12	0	1	0	-0.20207457	-0.137114
## 13	0	0	1	0.50389767	<NA>
## 14	<NA>	<NA>	<NA>	<NA>	<NA>
## 16	0	1	0	-0.1025611	0.452903
## 17	1	0	0	-0.5128727	<NA>
## 18	0	0	1	0.10542251	0.433586
## 19	<NA>	<NA>	<NA>	<NA>	<NA>
## 20	0	1	0	-0.091375433	-0.0078389999
## 21	1	0	0	-0.3360855	0.019330001
## 23	0	1	0	-0.04121061	-0.108803
## 25	0	0	1	0.81279957	-0.030929999
## 26	<NA>	<NA>	<NA>	<NA>	<NA>
## 27	<NA>	<NA>	<NA>	<NA>	<NA>
## 28	0	0	1	0.2908994	0.14553
## 29	<NA>	<NA>	<NA>	<NA>	<NA>
## 30	0	1	0	-0.22604652	0.13181099
## 33	0	1	0	-0.14074938	-0.0077550001
## 34	1	0	0	-0.44642773	-0.089144997
## 35	<NA>	<NA>	<NA>	<NA>	<NA>
## 36	<NA>	<NA>	<NA>	<NA>	<NA>
## 37	1	0	0	-0.46886507	-0.093805999
## 38	0	1	0	0.021281924	0.23276301
## 39	<NA>	<NA>	<NA>	<NA>	<NA>
## 40	0	0	1	0.66931546	0.74348998
## 41	1	0	0	-0.49959889	-0.064370997
## 43	<NA>	<NA>	<NA>	<NA>	<NA>
## 44	1	0	0	-0.35151541	0.108
## 45	<NA>	<NA>	<NA>	<NA>	<NA>
## 46	0	1	0	-0.17763615	-0.30761299
## 47	0	1	0	-0.16253069	0.186175
## 48	1	0	0	-0.3401255	-0.034177002
## 49	<NA>	<NA>	<NA>	<NA>	<NA>
## 50	<NA>	<NA>	<NA>	<NA>	<NA>
## 51	0	0	1	1.0477084	0.67351002
## 52	1	0	0	-0.59007627	-0.082516
## 54	0	0	1	0.78470945	0.86808002
## 55	1	0	0	-0.48013479	0.058256999
## 56	0	0	1	0.22542095	0.28470001
## 57	<NA>	<NA>	<NA>	<NA>	<NA>
## 58	1	0	0	-0.34755805	0.110678
## 59	0	1	0	-0.23606543	0.036812
## 60	1	0	0	-0.36893263	<NA>
## 62	1	0	0	-0.4179092	-0.26405999

## 65	0	1	0	-0.2304527	<NA>
## 67	0	0	1	0.24482676	0.36977401
## 68	0	0	1	0.061433706	0.062980004
## 69	1	0	0	-0.41433585	9.3000002e-05
## 70	<NA>	<NA>	<NA>	<NA>	<NA>
## 71	1	0	0	-0.56419474	-0.100783
## 72	<NA>	<NA>	<NA>	<NA>	<NA>
## 73	0	1	0	-0.16631909	0.052820999
## 74	<NA>	<NA>	<NA>	<NA>	<NA>
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## 76	<NA>	<NA>	<NA>	<NA>	<NA>
## 77	0	0	1	0.13753337	-0.034869999
## 79	0	1	0	0.0032048589	0.204686
## 80	1	0	0	-0.42897072	-0.062817
## 81	1	0	0	-0.35970667	0.174125
## 83	0	0	1	0.19507325	-0.23966999
## 87	<NA>	<NA>	<NA>	<NA>	<NA>
## 88	<NA>	<NA>	<NA>	<NA>	<NA>
## 89	0	0	1	0.04028745	0.091173001
## 90	0	1	0	-0.055852093	0.068544
## 91	0	1	0	-0.24017909	0.23937599
## 92	<NA>	<NA>	<NA>	<NA>	<NA>
## 93	<NA>	<NA>	<NA>	<NA>	<NA>
## 94	0	0	1	0.29425046	0.49938899
## 95	<NA>	<NA>	<NA>	<NA>	<NA>
## 96	0	0	1	0.30616766	0.25338
## 97	<NA>	<NA>	<NA>	<NA>	<NA>
## 98	1	0	0	-0.28153831	-0.083263002
## 99	1	0	0	-0.33739766	-0.02806
## 100	1	0	0	-0.29681432	-0.74012798
## 101	<NA>	<NA>	<NA>	<NA>	<NA>
## 102	<NA>	<NA>	<NA>	<NA>	<NA>
## 103	<NA>	<NA>	<NA>	<NA>	<NA>
## 105	0	1	0	-0.26938516	0.054563001
## 107	0	0	1	0.28315434	<NA>
## 108	0	1	0	-0.026993057	0.224176
## 109	0	1	0	-0.15865816	0.086884998
## 110	<NA>	<NA>	<NA>	<NA>	<NA>
## 112	<NA>	<NA>	<NA>	<NA>	<NA>
## 113	0	1	0	-0.14668843	0.058759999
## 116	<NA>	<NA>	<NA>	<NA>	<NA>
## 118	1	0	0	-0.39207268	-0.123539
## 119	0	1	0	-0.0097099897	0.23847701
## 120	0	1	0	-0.12769589	0.103165
## 121	0	1	0	-0.13376571	0.180926
## 122	<NA>	<NA>	<NA>	<NA>	<NA>
## 123	1	0	0	-0.2975964	-0.020352
## 124	1	0	0	-0.34103924	<NA>
## 125	1	0	0	-0.56126839	-0.054636002
## 126	<NA>	<NA>	<NA>	<NA>	<NA>
## 127	1	0	0	-0.30866194	-0.0060180002
## 128	0	1	0	-0.10106642	0.183879
## 129	1	0	0	-0.32681799	0.031027
## 131	1	0	0	-0.39151782	0.102229

## 132	0	1	0	-0.16958027	0.15143301
## 134	1	0	0	-0.31835437	<NA>
## 136	1	0	0	-0.36426079	-0.201627
## 137	0	0	1	0.35443845	0.52401102
## 139	0	0	1	0.28395262	0.52660602
## 140	1	0	0	-0.3060891	-0.221416
## 141	1	0	0	-0.38545367	-0.075616002
## 142	1	0	0	-0.44881529	-0.0076339999
## 144	0	1	0	-0.12059599	0.23388501
## 146	1	0	0	-0.30464783	<NA>
## 147	<NA>	<NA>	<NA>	<NA>	<NA>
## 148	0	1	0	-0.20419791	0.17150199
## 149	<NA>	<NA>	<NA>	<NA>	<NA>
## 150	0	1	0	-0.088773295	0.045956001
## 151	0	0	1	0.396458	0.12175
## 154	0	1	0	-0.20955752	-0.13759799
## 155	1	0	0	-0.37656137	0.034295999
## 156	<NA>	<NA>	<NA>	<NA>	<NA>
## 157	0	1	0	-0.23855546	0.052668002
## 158	1	0	0	-0.38166752	0.0070480001
## 159	0	0	1	0.61731309	0.24473
## 160	<NA>	<NA>	<NA>	<NA>	<NA>
## 161	0	1	0	-0.050799731	0.34053099
## 162	<NA>	<NA>	<NA>	<NA>	<NA>
## 163	0	0	1	0.14690161	0.26247501
## 164	<NA>	<NA>	<NA>	<NA>	<NA>
## 166	<NA>	<NA>	<NA>	<NA>	<NA>
## 167	1	0	0	-0.74090356	-0.023419
## 168	0	0	1	0.085195564	0.15728
## 169	0	1	0	-0.16291313	0.21889199
## 170	0	0	1	0.35367346	0.766918
## 171	1	0	0	-0.28032255	0.114452
## 172	0	1	0	-0.19653814	0.23332401
## 174	0	0	1	0.97236854	1.776544
## 175	<NA>	<NA>	<NA>	<NA>	<NA>
## 176	<NA>	<NA>	<NA>	<NA>	<NA>
## 177	0	0	1	0.09701781	0.132561
## 179	<NA>	<NA>	<NA>	<NA>	<NA>
## 180	0	1	0	-0.16918936	-0.015117
## 181	1	0	0	-0.69728571	-0.118649
## 183	0	0	1	0.26855278	0.28757
## 184	1	0	0	-0.29908687	0.15198
## 185	0	0	1	0.12845477	0.32824901
## 186	<NA>	<NA>	<NA>	<NA>	<NA>
## 188	0	1	0	-0.16111521	<NA>
## 190	1	0	0	-0.38075688	-0.065082997
## 193	1	0	0	-0.28466398	0.080789998
## 194	0	0	1	0.86535525	1.17957
## 195	0	1	0	-0.23507191	-0.107814
## 196	0	0	1	1.2687066	-0.77269
## 198	0	1	0	-0.18341696	-0.012831
## 199	0	0	1	0.47346637	<NA>
## 200	<NA>	<NA>	<NA>	<NA>	<NA>
## 202	<NA>	<NA>	<NA>	<NA>	<NA>

## 203	0	0	1	0.68754148	0.82440001
## 204	1	0	0	-0.39552864	-0.016512999
## 205	0	1	0	-0.22393887	0.21693
## 206	1	0	0	-0.57216746	-0.074115001
## 209	1	0	0	-0.29515123	-0.17984
## 210	0	0	1	0.20681903	0.097730003
## 211	1	0	0	-0.71108717	0.028927
## 212	0	0	1	0.069647327	<NA>
## 214	0	0	1	0.076998077	0.21508799
## 215	1	0	0	-0.36028862	0.0023310001
## 216	0	0	1	0.23793758	0.28731501
## 217	1	0	0	-0.41605952	-0.040139999
## 218	<NA>	<NA>	<NA>	<NA>	<NA>
## 220	0	0	1	0.34442624	0.44466999
## 222	0	1	0	-0.1481161	-0.16172899
## 223	0	1	0	-0.22191556	-0.024855999
## 224	<NA>	<NA>	<NA>	<NA>	<NA>
## 225	0	0	1	0.28878897	0.1575
## 226	0	0	1	0.22493395	0.342262
## 227	0	1	0	-0.25473744	0.106034
## 228	0	0	1	0.091877021	-0.34226999
## 229	<NA>	<NA>	<NA>	<NA>	<NA>
## 230	1	0	0	-0.28527164	0.167448
## 231	1	0	0	-0.29541591	0.038513001
## 232	0	0	1	0.13469696	-0.0077999998
## 233	0	1	0	-0.22815609	0.077303
## 234	0	1	0	-0.15554799	-0.232464
## 236	0	0	1	0.048818734	0.42724499
## 238	0	0	1	0.13606817	0.082840003
## 239	<NA>	<NA>	<NA>	<NA>	<NA>
##	tcysdiff	cysdiff3cat	i_cysdiff3cat1	i_cysdiff3cat2	i_cysdiff3cat3
## 1	<NA>	<NA>	<NA>	<NA>	<NA>
## 2	2	2	0	1	0
## 3	1	1	1	0	0
## 4	<NA>	<NA>	<NA>	<NA>	<NA>
## 5	3	3	0	0	1
## 6	2	2	0	1	0
## 7	2	2	0	1	0
## 8	<NA>	<NA>	<NA>	<NA>	<NA>
## 10	<NA>	<NA>	<NA>	<NA>	<NA>
## 11	<NA>	<NA>	<NA>	<NA>	<NA>
## 12	1	1	1	0	0
## 13	<NA>	<NA>	<NA>	<NA>	<NA>
## 14	<NA>	<NA>	<NA>	<NA>	<NA>
## 16	3	3	0	0	1
## 17	<NA>	<NA>	<NA>	<NA>	<NA>
## 18	3	3	0	0	1
## 19	<NA>	<NA>	<NA>	<NA>	<NA>
## 20	1	1	1	0	0
## 21	2	2	0	1	0
## 23	1	1	1	0	0
## 25	1	1	1	0	0
## 26	<NA>	<NA>	<NA>	<NA>	<NA>
## 27	<NA>	<NA>	<NA>	<NA>	<NA>

## 28	2	2	0	1	0
## 29	<NA>	<NA>	<NA>	<NA>	<NA>
## 30	2	2	0	1	0
## 33	1	1	1	0	0
## 34	1	1	1	0	0
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## 37	1	1	1	0	0
## 38	3	3	0	0	1
## 39	<NA>	<NA>	<NA>	<NA>	<NA>
## 40	3	3	0	0	1
## 41	1	1	1	0	0
## 43	<NA>	<NA>	<NA>	<NA>	<NA>
## 44	2	2	0	1	0
## 45	<NA>	<NA>	<NA>	<NA>	<NA>
## 46	1	1	1	0	0
## 47	3	3	0	0	1
## 48	1	1	1	0	0
## 49	<NA>	<NA>	<NA>	<NA>	<NA>
## 50	<NA>	<NA>	<NA>	<NA>	<NA>
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## 52	1	1	1	0	0
## 54	3	3	0	0	1
## 55	2	2	0	1	0
## 56	3	3	0	0	1
## 57	<NA>	<NA>	<NA>	<NA>	<NA>
## 58	2	2	0	1	0
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## 60	<NA>	<NA>	<NA>	<NA>	<NA>
## 62	1	1	1	0	0
## 65	<NA>	<NA>	<NA>	<NA>	<NA>
## 67	3	3	0	0	1
## 68	2	2	0	1	0
## 69	2	2	0	1	0
## 70	<NA>	<NA>	<NA>	<NA>	<NA>
## 71	1	1	1	0	0
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## 73	2	2	0	1	0
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## 79	3	3	0	0	1
## 80	1	1	1	0	0
## 81	3	3	0	0	1
## 83	1	1	1	0	0
## 87	<NA>	<NA>	<NA>	<NA>	<NA>
## 88	<NA>	<NA>	<NA>	<NA>	<NA>
## 89	2	2	0	1	0
## 90	2	2	0	1	0
## 91	3	3	0	0	1
## 92	<NA>	<NA>	<NA>	<NA>	<NA>
## 93	<NA>	<NA>	<NA>	<NA>	<NA>
## 94	3	3	0	0	1

## 95	<NA>	<NA>	<NA>	<NA>	<NA>
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## 97	<NA>	<NA>	<NA>	<NA>	<NA>
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## 99	1	1	1	0	0
## 100	1	1	1	0	0
## 101	<NA>	<NA>	<NA>	<NA>	<NA>
## 102	<NA>	<NA>	<NA>	<NA>	<NA>
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## 107	<NA>	<NA>	<NA>	<NA>	<NA>
## 108	3	3	0	0	1
## 109	2	2	0	1	0
## 110	<NA>	<NA>	<NA>	<NA>	<NA>
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## 113	2	2	0	1	0
## 116	<NA>	<NA>	<NA>	<NA>	<NA>
## 118	1	1	1	0	0
## 119	3	3	0	0	1
## 120	2	2	0	1	0
## 121	3	3	0	0	1
## 122	<NA>	<NA>	<NA>	<NA>	<NA>
## 123	1	1	1	0	0
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## 125	1	1	1	0	0
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## 127	2	1	1	0	0
## 128	3	3	0	0	1
## 129	2	2	0	1	0
## 131	2	2	0	1	0
## 132	2	2	0	1	0
## 134	<NA>	<NA>	<NA>	<NA>	<NA>
## 136	1	1	1	0	0
## 137	3	3	0	0	1
## 139	3	3	0	0	1
## 140	1	1	1	0	0
## 141	1	1	1	0	0
## 142	1	1	1	0	0
## 144	3	3	0	0	1
## 146	<NA>	<NA>	<NA>	<NA>	<NA>
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## 149	<NA>	<NA>	<NA>	<NA>	<NA>
## 150	2	2	0	1	0
## 151	2	2	0	1	0
## 154	1	1	1	0	0
## 155	2	2	0	1	0
## 156	<NA>	<NA>	<NA>	<NA>	<NA>
## 157	2	2	0	1	0
## 158	2	2	0	1	0
## 159	3	3	0	0	1
## 160	<NA>	<NA>	<NA>	<NA>	<NA>
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## 163	3	3	0	0	1
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## 167	1	1	1	0	0
## 168	3	2	0	1	0
## 169	3	3	0	0	1
## 170	3	3	0	0	1
## 171	2	2	0	1	0
## 172	3	3	0	0	1
## 174	3	3	0	0	1
## 175	<NA>	<NA>	<NA>	<NA>	<NA>
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## 179	<NA>	<NA>	<NA>	<NA>	<NA>
## 180	1	1	1	0	0
## 181	1	1	1	0	0
## 183	3	3	0	0	1
## 184	2	2	0	1	0
## 185	3	3	0	0	1
## 186	<NA>	<NA>	<NA>	<NA>	<NA>
## 188	<NA>	<NA>	<NA>	<NA>	<NA>
## 190	1	1	1	0	0
## 193	2	2	0	1	0
## 194	3	3	0	0	1
## 195	1	1	1	0	0
## 196	1	1	1	0	0
## 198	1	1	1	0	0
## 199	<NA>	<NA>	<NA>	<NA>	<NA>
## 200	<NA>	<NA>	<NA>	<NA>	<NA>
## 202	<NA>	<NA>	<NA>	<NA>	<NA>
## 203	3	3	0	0	1
## 204	1	1	1	0	0
## 205	3	3	0	0	1
## 206	1	1	1	0	0
## 209	1	1	1	0	0
## 210	2	2	0	1	0
## 211	2	2	0	1	0
## 212	<NA>	<NA>	<NA>	<NA>	<NA>
## 214	3	3	0	0	1
## 215	2	2	0	1	0
## 216	3	3	0	0	1
## 217	1	1	1	0	0
## 218	<NA>	<NA>	<NA>	<NA>	<NA>
## 220	3	3	0	0	1
## 222	1	1	1	0	0
## 223	1	1	1	0	0
## 224	<NA>	<NA>	<NA>	<NA>	<NA>
## 225	3	2	0	1	0
## 226	3	3	0	0	1
## 227	2	2	0	1	0
## 228	1	1	1	0	0
## 229	<NA>	<NA>	<NA>	<NA>	<NA>
## 230	3	3	0	0	1
## 231	2	2	0	1	0

## 232	1	1	1	0	0
## 233	2	2	0	1	0
## 234	1	1	1	0	0
## 236	3	3	0	0	1
## 238	2	2	0	1	0
## 239	<NA>	<NA>	<NA>	<NA>	<NA>
##	logcysdiff	til10_0	il10pre3cat	i_il10pre3cat1	i_il10pre3cat2
## 1	<NA>	3	3	0	0
## 2	-3.3601801	2	2	0	1
## 3	-6.9077554	2	2	0	1
## 4	<NA>	3	3	0	0
## 5	-0.068107553	2	2	0	1
## 6	-6.9077554	1	1	1	0
## 7	-2.0326495	1	1	1	0
## 8	<NA>	<NA>	<NA>	<NA>	<NA>
## 10	<NA>	3	3	0	0
## 11	<NA>	2	2	0	1
## 12	-6.9077554	3	3	0	0
## 13	<NA>	<NA>	<NA>	<NA>	<NA>
## 14	<NA>	1	1	1	0
## 16	-0.7920773	1	1	1	0
## 17	<NA>	<NA>	<NA>	<NA>	<NA>
## 18	-0.83566511	2	2	0	1
## 19	<NA>	<NA>	<NA>	<NA>	<NA>
## 20	-6.9077554	2	2	0	1
## 21	-3.9460969	3	3	0	0
## 23	-6.9077554	3	3	0	0
## 25	-6.9077554	3	3	0	0
## 26	<NA>	2	2	0	1
## 27	<NA>	3	3	0	0
## 28	-1.9273731	2	2	0	1
## 29	<NA>	2	2	0	1
## 30	-2.0263863	3	3	0	0
## 33	-6.9077554	3	3	0	0
## 34	-6.9077554	2	2	0	1
## 35	<NA>	2	2	0	1
## 36	<NA>	3	3	0	0
## 37	-6.9077554	3	3	0	0
## 38	-1.4577345	2	2	0	1
## 39	<NA>	1	1	1	0
## 40	-0.29639998	1	1	1	0
## 41	-6.9077554	2	2	0	1
## 43	<NA>	1	1	1	0
## 44	-2.2256241	1	1	1	0
## 45	<NA>	1	1	1	0
## 46	-6.9077554	1	1	1	0
## 47	-1.6810682	3	3	0	0
## 48	-6.9077554	1	1	1	0
## 49	<NA>	1	1	1	0
## 50	<NA>	1	1	1	0
## 51	-0.39525241	3	3	0	0
## 52	-6.9077554	1	1	1	0
## 54	-0.14147139	3	3	0	0
## 55	-2.842891	1	1	1	0

## 56	-1.2563193	2	2	0	1
## 57	<NA>	3	3	0	0
## 58	-2.2011302	3	3	0	0
## 59	-3.3019314	2	2	0	1
## 60	<NA>	<NA>	<NA>	<NA>	<NA>
## 62	-6.9077554	1	1	1	0
## 65	<NA>	<NA>	<NA>	<NA>	<NA>
## 67	-0.99486321	2	2	0	1
## 68	-2.7649381	3	3	0	0
## 69	-9.2829113	2	2	0	1
## 70	<NA>	3	3	0	0
## 71	-6.9077554	1	1	1	0
## 72	<NA>	2	2	0	1
## 73	-2.9408464	3	3	0	0
## 74	<NA>	1	1	1	0
## 75	<NA>	1	1	1	0
## 76	<NA>	2	2	0	1
## 77	-6.9077554	1	1	1	0
## 79	-1.5862782	3	3	0	0
## 80	-6.9077554	3	3	0	0
## 81	-1.7479818	2	2	0	1
## 83	-6.9077554	2	2	0	1
## 87	<NA>	3	3	0	0
## 88	<NA>	1	1	1	0
## 89	-2.3949964	1	1	1	0
## 90	-2.6802795	2	2	0	1
## 91	-1.4297198	1	1	1	0
## 92	<NA>	1	1	1	0
## 93	<NA>	2	2	0	1
## 94	-0.69436997	1	1	1	0
## 95	<NA>	1	1	1	0
## 96	-1.372865	1	1	1	0
## 97	<NA>	2	2	0	1
## 98	-6.9077554	2	2	0	1
## 99	-6.9077554	2	2	0	1
## 100	-6.9077554	3	3	0	0
## 101	<NA>	1	1	1	0
## 102	<NA>	<NA>	<NA>	<NA>	<NA>
## 103	<NA>	2	2	0	1
## 105	-2.9083993	1	1	1	0
## 107	<NA>	<NA>	<NA>	<NA>	<NA>
## 108	-1.4953238	2	2	0	1
## 109	-2.4431698	3	3	0	0
## 110	<NA>	2	2	0	1
## 112	<NA>	1	1	1	0
## 113	-2.8342938	2	2	0	1
## 116	<NA>	2	2	0	1
## 118	-6.9077554	1	1	1	0
## 119	-1.4334824	1	1	1	0
## 120	-2.2714257	1	1	1	0
## 121	-1.7096672	1	1	1	0
## 122	<NA>	2	2	0	1
## 123	-6.9077554	1	1	1	0
## 124	<NA>	<NA>	<NA>	<NA>	<NA>

## 125	-6.9077554	2	2	0	1
## 126	<NA>	1	1	1	0
## 127	-6.9077554	3	3	0	0
## 128	-1.6934773	3	3	0	0
## 129	-3.4728975	2	1	1	0
## 131	-2.28054	2	2	0	1
## 132	-1.887612	2	2	0	1
## 134	<NA>	<NA>	<NA>	<NA>	<NA>
## 136	-6.9077554	1	1	1	0
## 137	-0.64624256	2	2	0	1
## 139	-0.64130259	2	2	0	1
## 140	-6.9077554	3	3	0	0
## 141	-6.9077554	3	3	0	0
## 142	-6.9077554	3	3	0	0
## 144	-1.4529257	3	3	0	0
## 146	<NA>	<NA>	<NA>	<NA>	<NA>
## 147	<NA>	3	3	0	0
## 148	-1.7631603	3	2	0	1
## 149	<NA>	3	3	0	0
## 150	-3.0800707	1	1	1	0
## 151	-2.1057856	3	3	0	0
## 154	-6.9077554	1	1	1	0
## 155	-3.3727267	1	1	1	0
## 156	<NA>	3	3	0	0
## 157	-2.9437473	3	3	0	0
## 158	-4.9550114	3	3	0	0
## 159	-1.4075997	3	3	0	0
## 160	<NA>	3	3	0	0
## 161	-1.0772492	1	1	1	0
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## 163	-1.3375994	2	2	0	1
## 164	<NA>	3	3	0	0
## 166	<NA>	2	2	0	1
## 167	-6.9077554	2	2	0	1
## 168	-1.8497276	3	3	0	0
## 169	-1.5191768	3	3	0	0
## 170	-0.26537538	1	1	1	0
## 171	-2.1675997	1	1	1	0
## 172	-1.4553272	2	2	0	1
## 174	0.5746699	3	3	0	0
## 175	<NA>	1	1	1	0
## 176	<NA>	2	2	0	1
## 177	-2.0207124	3	3	0	0
## 179	<NA>	3	3	0	0
## 180	-6.9077554	2	2	0	1
## 181	-6.9077554	2	2	0	1
## 183	-1.246289	3	3	0	0
## 184	-1.8840064	1	1	1	0
## 185	-1.1139828	1	1	1	0
## 186	<NA>	1	1	1	0
## 188	<NA>	<NA>	<NA>	<NA>	<NA>
## 190	-6.9077554	3	3	0	0
## 193	-2.515902	2	2	0	1
## 194	0.16514993	2	2	0	1

## 195	-6.9077554	1	1	1	0
## 196	-6.9077554	3	3	0	0
## 198	-6.9077554	2	2	0	1
## 199	<NA>	<NA>	<NA>	<NA>	<NA>
## 200	<NA>	3	3	0	0
## 202	<NA>	1	1	1	0
## 203	-0.19309942	2	2	0	1
## 204	-6.9077554	3	3	0	0
## 205	-1.5281806	1	1	1	0
## 206	-6.9077554	2	2	0	1
## 209	-6.9077554	3	3	0	0
## 210	-2.3255467	3	3	0	0
## 211	-3.54298	2	2	0	1
## 212	<NA>	<NA>	<NA>	<NA>	<NA>
## 214	-1.536708	1	1	1	0
## 215	-6.0614581	2	2	0	1
## 216	-1.2471761	3	3	0	0
## 217	-6.9077554	3	3	0	0
## 218	<NA>	3	3	0	0
## 220	-0.81042284	3	3	0	0
## 222	-6.9077554	2	2	0	1
## 223	-6.9077554	1	1	1	0
## 224	<NA>	1	1	1	0
## 225	-1.8483298	3	3	0	0
## 226	-1.0721787	3	3	0	0
## 227	-2.2439954	3	3	0	0
## 228	-6.9077554	3	3	0	0
## 229	<NA>	3	3	0	0
## 230	-1.7870824	1	1	1	0
## 231	-3.2567594	1	1	1	0
## 232	-6.9077554	3	3	0	0
## 233	-2.5600226	1	1	1	0
## 234	-6.9077554	1	1	1	0
## 236	-0.85039771	1	1	1	0
## 238	-2.4908442	1	1	1	0
## 239	<NA>	2	2	0	1
##	i_il10pre3cat3	logil100	til10_1	il10post3cat	i_il10post3cat1
## 1	1	-0.39600995	<NA>	<NA>	<NA>
## 2	0	-1.3019532	2	2	0
## 3	0	-1.2694006	3	3	0
## 4	1	-0.32711613	<NA>	<NA>	<NA>
## 5	0	-1.0188773	2	2	0
## 6	0	-1.5896353	1	1	1
## 7	0	-1.3432349	3	3	0
## 8	<NA>	<NA>	1	1	1
## 10	1	-0.79850769	<NA>	<NA>	<NA>
## 11	0	-0.92886949	<NA>	<NA>	<NA>
## 12	1	-0.19479908	2	2	0
## 13	<NA>	<NA>	2	2	0
## 14	0	-1.6296406	<NA>	<NA>	<NA>
## 16	0	-1.4105871	1	1	1
## 17	<NA>	<NA>	1	1	1
## 18	0	-1.2275827	2	2	0
## 19	<NA>	<NA>	<NA>	<NA>	<NA>

## 20	0	-1.2039728	1	1	1
## 21	1	-0.82325584	2	2	0
## 23	1	-0.76571786	2	2	0
## 25	1	-0.59420723	1	1	1
## 26	0	-1.1973282	<NA>	<NA>	<NA>
## 27	1	-0.53102833	<NA>	<NA>	<NA>
## 28	0	-1.1647521	2	2	0
## 29	0	-1.0244329	<NA>	<NA>	<NA>
## 30	1	-0.50749785	2	2	0
## 33	1	-0.52424866	2	2	0
## 34	0	-0.96495593	2	2	0
## 35	0	-0.89404011	<NA>	<NA>	<NA>
## 36	1	-0.24079849	<NA>	<NA>	<NA>
## 37	1	-0.61064595	2	2	0
## 38	0	-1.0876724	2	2	0
## 39	0	-1.8325815	<NA>	<NA>	<NA>
## 40	0	-1.6044503	2	2	0
## 41	0	-1.2207799	2	2	0
## 43	0	-1.8388511	<NA>	<NA>	<NA>
## 44	0	-1.5750365	1	1	1
## 45	0	-1.4567168	<NA>	<NA>	<NA>
## 46	0	-1.6398971	2	2	0
## 47	1	0.41210964	1	1	1
## 48	0	-1.6982691	1	1	1
## 49	0	-1.5606477	<NA>	<NA>	<NA>
## 50	0	-1.5186836	<NA>	<NA>	<NA>
## 51	1	-0.638659	3	3	0
## 52	0	-1.3943266	2	2	0
## 54	1	-0.31197476	3	3	0
## 55	0	-1.8708026	3	3	0
## 56	0	-0.92381901	3	3	0
## 57	1	-0.20579492	<NA>	<NA>	<NA>
## 58	1	-0.68915516	1	1	1
## 59	0	-0.86988437	2	2	0
## 60	<NA>	<NA>	2	2	0
## 62	0	-1.5702173	1	1	1
## 65	<NA>	<NA>	3	3	0
## 67	0	-1.0244329	2	2	0
## 68	1	-0.40646562	2	2	0
## 69	0	-1.1488535	1	1	1
## 70	1	-0.60513628	<NA>	<NA>	<NA>
## 71	0	-1.5994875	1	1	1
## 72	0	-1.2310015	<NA>	<NA>	<NA>
## 73	1	-0.685179	1	1	1
## 74	0	-1.3903024	<NA>	<NA>	<NA>
## 75	0	-2.2072749	<NA>	<NA>	<NA>
## 76	0	-0.93904769	<NA>	<NA>	<NA>
## 77	0	-2.1892564	3	3	0
## 79	1	-0.40646562	3	3	0
## 80	1	-0.731888	1	1	1
## 81	0	-0.93394566	1	1	1
## 83	0	-0.94417596	1	1	1
## 87	1	0.57661337	<NA>	<NA>	<NA>
## 88	0	-1.8451602	<NA>	<NA>	<NA>

## 89	0	-1.6194882	1	1	1
## 90	0	-1.2517635	2	2	0
## 91	0	-2.6664286	2	2	0
## 92	0	-2.0874736	<NA>	<NA>	<NA>
## 93	0	-0.88916206	<NA>	<NA>	<NA>
## 94	0	-1.3394108	2	2	0
## 95	0	-1.3318062	<NA>	<NA>	<NA>
## 96	0	-1.4354846	3	3	0
## 97	0	-1.0356375	<NA>	<NA>	<NA>
## 98	0	-1.1809075	2	2	0
## 99	0	-1.200645	2	2	0
## 100	1	1.3762441	3	3	0
## 101	0	-2.0174062	<NA>	<NA>	<NA>
## 102	<NA>	<NA>	<NA>	<NA>	<NA>
## 103	0	-1.0023935	<NA>	<NA>	<NA>
## 105	0	-1.5464631	2	2	0
## 107	<NA>	<NA>	1	1	1
## 108	0	-1.171183	2	2	0
## 109	1	-0.11765804	3	3	0
## 110	0	-1.0441241	<NA>	<NA>	<NA>
## 112	0	-1.7147985	<NA>	<NA>	<NA>
## 113	0	-1.0847094	2	2	0
## 116	0	-1.1615521	<NA>	<NA>	<NA>
## 118	0	-2.8455896	1	1	1
## 119	0	-1.7372713	1	1	1
## 120	0	-1.5798792	3	3	0
## 121	0	-1.9589953	1	1	1
## 122	0	-1.1177951	<NA>	<NA>	<NA>
## 123	0	-1.7037486	1	1	1
## 124	<NA>	<NA>	1	1	1
## 125	0	-1.174414	3	3	0
## 126	0	-1.8838748	<NA>	<NA>	<NA>
## 127	1	0.63127178	3	3	0
## 128	1	-0.74233741	3	3	0
## 129	0	-1.3242589	1	1	1
## 131	0	-1.0051219	1	1	1
## 132	0	-1.2275827	1	1	1
## 134	<NA>	<NA>	3	3	0
## 136	0	-2.6050425	2	2	0
## 137	0	-1.2106618	2	2	0
## 139	0	-0.8556661	3	3	0
## 140	1	-0.81644541	1	1	1
## 141	1	2.0451088	2	2	0
## 142	1	-0.69114918	3	3	0
## 144	1	-0.34814003	3	3	0
## 146	<NA>	<NA>	2	2	0
## 147	1	0.18232156	<NA>	<NA>	<NA>
## 148	0	-0.83932972	1	1	1
## 149	1	-0.83701754	<NA>	<NA>	<NA>
## 150	0	-1.4481697	2	2	0
## 151	1	-0.48613301	2	2	0
## 154	0	-1.4396951	2	2	0
## 155	0	-1.5005835	3	3	0
## 156	1	-0.71743989	<NA>	<NA>	<NA>

## 157	1	-0.32434607	1	1	1
## 158	1	-0.37396646	2	2	0
## 159	1	-0.32989392	3	3	0
## 160	1	0.87962675	<NA>	<NA>	<NA>
## 161	0	-1.7602608	1	1	1
## 162	0	-1.4064971	<NA>	<NA>	<NA>
## 163	0	-1.200645	3	3	0
## 164	1	-0.80296206	<NA>	<NA>	<NA>
## 166	0	-1.2552661	<NA>	<NA>	<NA>
## 167	0	-0.91130316	2	2	0
## 168	1	-0.61248928	2	2	0
## 169	1	0.63127178	3	3	0
## 170	0	-1.3823023	3	3	0
## 171	0	-1.3704211	1	1	1
## 172	0	-1.1776555	2	2	0
## 174	1	1.3812819	3	3	0
## 175	0	-1.3664917	<NA>	<NA>	<NA>
## 176	0	-0.86274999	<NA>	<NA>	<NA>
## 177	1	0.49469623	2	2	0
## 179	1	-0.55686957	<NA>	<NA>	<NA>
## 180	0	-1.0671136	3	3	0
## 181	0	-0.91879386	1	1	1
## 183	1	0.67803353	2	2	0
## 184	0	-1.8018098	3	3	0
## 185	0	-1.6094379	1	1	1
## 186	0	-1.4653375	<NA>	<NA>	<NA>
## 188	<NA>	<NA>	3	3	0
## 190	1	-0.79628795	3	3	0
## 193	0	-1.0051219	2	2	0
## 194	0	-1.1425642	1	1	1
## 195	0	-1.3704211	3	3	0
## 196	1	-0.22439434	1	1	1
## 198	0	-1.1425642	2	2	0
## 199	<NA>	<NA>	2	2	0
## 200	1	-0.56916118	<NA>	<NA>	<NA>
## 202	0	-1.4916549	<NA>	<NA>	<NA>
## 203	0	-1.0966142	2	2	0
## 204	1	-0.60148001	2	2	0
## 205	0	-1.4105871	1	1	1
## 206	0	-0.8556661	1	1	1
## 209	1	-0.80296206	3	3	0
## 210	1	-0.094310679	3	3	0
## 211	0	-1.0498221	2	2	0
## 212	<NA>	<NA>	3	3	0
## 214	0	-1.8325815	2	2	0
## 215	0	-0.86274999	2	2	0
## 216	1	-0.53956807	2	2	0
## 217	1	-0.83701754	3	3	0
## 218	1	-0.7571525	<NA>	<NA>	<NA>
## 220	1	-0.51416451	3	3	0
## 222	0	-1.2765435	1	1	1
## 223	0	-1.3783262	1	1	1
## 224	0	-1.3862944	<NA>	<NA>	<NA>
## 225	1	-0.54818141	3	3	0

## 226	1	-0.82325584	3	3	0
## 227	1	-0.63111118	2	2	0
## 228	1	0.92821932	2	2	0
## 229	1	0.058268908	<NA>	<NA>	<NA>
## 230	0	-1.7429693	1	1	1
## 231	0	-1.9449106	3	3	0
## 232	1	-0.18995059	1	1	1
## 233	0	-1.4271164	1	1	1
## 234	0	-1.6296406	2	2	0
## 236	0	-1.4146938	3	3	0
## 238	0	-1.7037486	2	2	0
## 239	0	-1.2658482	<NA>	<NA>	<NA>
##	i_il10post3cat2	i_il10post3cat3	logil101	il10diff	till10diff
## 1	<NA>	<NA>	<NA>	<NA>	<NA>
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## 3	0	1	0.3220835	1.099	3
## 4	<NA>	<NA>	<NA>	<NA>	<NA>
## 5	1	0	0.0099503305	0.64899999	2
## 6	0	0	-1.3242589	0.06199999	1
## 7	0	1	0.29266962	1.079	3
## 8	0	0	-2.1037343	<NA>	<NA>
## 10	<NA>	<NA>	<NA>	<NA>	<NA>
## 11	<NA>	<NA>	<NA>	<NA>	<NA>
## 12	1	0	0.16551444	0.35699999	2
## 13	1	0	0.0099503305	<NA>	<NA>
## 14	<NA>	<NA>	<NA>	<NA>	<NA>
## 16	0	0	-0.50252682	0.361	2
## 17	0	0	-0.60696948	<NA>	<NA>
## 18	1	0	0.23111172	0.96700001	3
## 19	<NA>	<NA>	<NA>	<NA>	<NA>
## 20	0	0	-0.48613301	0.315	2
## 21	1	0	0.067658648	0.63099998	2
## 23	1	0	-0.23572233	0.32499999	2
## 25	0	0	-0.48939034	0.061000001	1
## 26	<NA>	<NA>	<NA>	<NA>	<NA>
## 27	<NA>	<NA>	<NA>	<NA>	<NA>
## 28	1	0	0.0099503305	0.69800001	2
## 29	<NA>	<NA>	<NA>	<NA>	<NA>
## 30	1	0	-0.22941317	0.193	1
## 33	1	0	-0.28634962	0.15899999	1
## 34	1	0	-0.29705924	0.36199999	2
## 35	<NA>	<NA>	<NA>	<NA>	<NA>
## 36	<NA>	<NA>	<NA>	<NA>	<NA>
## 37	1	0	0.23901691	0.727	2
## 38	1	0	0.048790164	0.713	2
## 39	<NA>	<NA>	<NA>	<NA>	<NA>
## 40	1	0	0.19885086	1.0190001	3
## 41	1	0	-0.18272163	0.53799999	2
## 43	<NA>	<NA>	<NA>	<NA>	<NA>
## 44	0	0	-0.69314718	0.29300001	1
## 45	<NA>	<NA>	<NA>	<NA>	<NA>
## 46	1	0	-0.2600669	0.57700002	2
## 47	0	0	-0.97021908	-1.131	1
## 48	0	0	-0.81871039	0.25799999	1

## 49	<NA>	<NA>	<NA>	<NA>	<NA>
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## 51	0	1	0.39877611	0.96200001	3
## 52	1	0	0.019802628	0.77200001	2
## 54	0	1	0.71294981	1.308	3
## 55	0	1	0.50681758	1.506	3
## 56	0	1	0.68813461	1.5930001	3
## 57	<NA>	<NA>	<NA>	<NA>	<NA>
## 58	0	0	-0.59783697	0.048	1
## 59	1	0	-0.33407512	0.29699999	1
## 60	1	0	-0.24334626	<NA>	<NA>
## 62	0	0	-1.0906441	0.12800001	1
## 65	0	1	2.6390574	<NA>	<NA>
## 67	1	0	0.07696104	0.72100002	2
## 68	1	0	-0.27839202	0.090999998	1
## 69	0	0	-0.44785082	0.322	2
## 70	<NA>	<NA>	<NA>	<NA>	<NA>
## 71	0	0	-0.69715518	0.296	1
## 72	<NA>	<NA>	<NA>	<NA>	<NA>
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## 77	0	1	0.60976559	1.728	3
## 79	0	1	0.68309683	1.314	3
## 80	0	0	-0.45098561	0.156	1
## 81	0	0	-0.49265832	0.21799999	1
## 83	0	0	-0.84629834	0.039999999	1
## 87	<NA>	<NA>	<NA>	<NA>	<NA>
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## 89	0	0	-1.4396951	0.039000001	1
## 90	1	0	0.19885086	0.93400002	3
## 91	1	0	-0.26266432	0.69950002	2
## 92	<NA>	<NA>	<NA>	<NA>	<NA>
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## 97	<NA>	<NA>	<NA>	<NA>	<NA>
## 98	1	0	0.16551444	0.87300003	3
## 99	1	0	-0.16841865	0.54400003	2
## 100	0	1	0.52472854	-2.27	1
## 101	<NA>	<NA>	<NA>	<NA>	<NA>
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## 105	1	0	-0.030459208	0.75700003	2
## 107	0	0	-0.68716508	<NA>	<NA>
## 108	1	0	-0.23067182	0.484	2
## 109	0	1	1.054312	1.9809999	3
## 110	<NA>	<NA>	<NA>	<NA>	<NA>
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## 116	<NA>	<NA>	<NA>	<NA>	<NA>
## 118	0	0	-1.6144505	0.1409	1

## 119	0	0	-0.78088611	0.28200001	1
## 120	0	1	0.69813472	1.804	3
## 121	0	0	-0.71334988	0.34900001	2
## 122	<NA>	<NA>	<NA>	<NA>	<NA>
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## 125	0	1	0.34358969	1.101	3
## 126	<NA>	<NA>	<NA>	<NA>	<NA>
## 127	0	1	0.77932489	0.30000001	1
## 128	0	1	0.81536484	1.784	3
## 129	0	0	-0.64435703	0.259	1
## 131	0	0	-0.76142603	0.101	1
## 132	0	0	-0.68716508	0.20999999	1
## 134	0	1	0.39877611	<NA>	<NA>
## 136	1	0	-0.15198636	0.78509998	2
## 137	1	0	0.095310181	0.80199999	2
## 139	0	1	0.60976559	1.415	3
## 140	0	0	-0.86038309	-0.018999999	1
## 141	1	0	-0.36384344	-7.0349998	1
## 142	0	1	0.50077528	1.149	3
## 144	0	1	0.66268796	1.234	3
## 146	1	0	-0.37833643	<NA>	<NA>
## 147	<NA>	<NA>	<NA>	<NA>	<NA>
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## 150	1	0	-0.061875403	0.70499998	2
## 151	1	0	-0.25877073	0.15700001	1
## 154	1	0	-0.17316362	0.60399997	2
## 155	0	1	2.0831845	7.8070002	3
## 156	<NA>	<NA>	<NA>	<NA>	<NA>
## 157	0	0	-0.41400144	-0.061999999	1
## 158	1	0	0.12221763	0.442	2
## 159	0	1	0.66782939	1.2309999	3
## 160	<NA>	<NA>	<NA>	<NA>	<NA>
## 161	0	0	-0.40496522	0.495	2
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## 168	1	0	-0.07904321	0.382	2
## 169	0	1	0.64185387	0.02	1
## 170	0	1	0.28517893	1.079	3
## 171	0	0	-0.57270104	0.31	1
## 172	1	0	-0.13926207	0.56199998	2
## 174	0	1	1.068153	-1.0700001	1
## 175	<NA>	<NA>	<NA>	<NA>	<NA>
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## 179	<NA>	<NA>	<NA>	<NA>	<NA>
## 180	0	1	0.54812139	1.386	3
## 181	0	0	-0.6462636	0.125	1
## 183	1	0	0.16551444	-0.79000002	1
## 184	0	1	0.71783978	1.885	3

## 185	0	0	-0.46044943	0.43099999	2
## 186	<NA>	<NA>	<NA>	<NA>	<NA>
## 188	0	1	1.2059708	<NA>	<NA>
## 190	0	1	1.1878434	2.829	3
## 193	1	0	-0.1554849	0.49000001	2
## 194	0	0	-0.40796825	0.34599999	2
## 195	0	1	0.50077528	1.396	3
## 196	0	0	-0.50916034	-0.198	1
## 198	1	0	-0.040821996	0.64099997	2
## 199	1	0	-0.095410183	<NA>	<NA>
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## 204	1	0	-0.082295246	0.373	2
## 205	0	0	-1.4396951	-0.0070000002	1
## 206	0	0	-0.46362403	0.204	1
## 209	0	1	0.95165789	2.142	3
## 210	0	1	1.3635374	3	3
## 211	1	0	-0.04604394	0.60500002	2
## 212	0	1	0.53649336	<NA>	<NA>
## 214	1	0	0.14842001	1	3
## 215	1	0	-0.2600669	0.34900001	2
## 216	1	0	-0.35953617	0.115	1
## 217	0	1	0.79750717	1.7869999	3
## 218	<NA>	<NA>	<NA>	<NA>	<NA>
## 220	0	1	1.4562868	3.6919999	3
## 222	0	0	-0.88673192	0.133	1
## 223	0	0	-1.4567168	-0.018999999	1
## 224	<NA>	<NA>	<NA>	<NA>	<NA>
## 225	0	1	1.1052568	2.4419999	3
## 226	0	1	0.61518562	1.411	3
## 227	1	0	-0.34249032	0.178	1
## 228	1	0	-0.068278842	-1.596	1
## 229	<NA>	<NA>	<NA>	<NA>	<NA>
## 230	0	0	-0.66943067	0.33700001	2
## 231	0	1	0.51282364	1.527	3
## 232	0	0	-0.40947312	-0.163	1
## 233	0	0	-0.7571525	0.229	1
## 234	1	0	-0.18392284	0.63599998	2
## 236	0	1	0.30748469	1.117	3
## 238	1	0	-0.31608155	0.54699999	2
## 239	<NA>	<NA>	<NA>	<NA>	<NA>
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## 3	3	0	0	1	0.094400652
## 4	<NA>	<NA>	<NA>	<NA>	<NA>
## 5	2	0	1	0	-0.43232259
## 6	1	1	0	0	-2.7806208
## 7	3	0	0	1	0.07603468
## 8	<NA>	<NA>	<NA>	<NA>	<NA>
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## 17	<NA>	<NA>	<NA>	<NA>	<NA>
## 18	3	0	0	1	-0.033556774
## 19	<NA>	<NA>	<NA>	<NA>	<NA>
## 20	1	1	0	0	-1.1551826
## 21	2	0	1	0	-0.46044946
## 23	2	0	1	0	-1.1239301
## 25	1	1	0	0	-2.7968814
## 26	<NA>	<NA>	<NA>	<NA>	<NA>
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## 38	2	0	1	0	-0.33827385
## 39	<NA>	<NA>	<NA>	<NA>	<NA>
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## 47	1	1	0	0	-6.9077554
## 48	1	1	0	0	-1.3547957
## 49	<NA>	<NA>	<NA>	<NA>	<NA>
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## 52	2	0	1	0	-0.2587707
## 54	3	0	0	1	0.26849923
## 55	3	0	0	1	0.40945715
## 56	3	0	0	1	0.46561906
## 57	<NA>	<NA>	<NA>	<NA>	<NA>
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## 59	1	1	0	0	-1.2140231
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## 65	<NA>	<NA>	<NA>	<NA>	<NA>
## 67	2	0	1	0	-0.32711613
## 68	1	1	0	0	-2.3968959
## 69	2	0	1	0	-1.1332037
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## 80	1	1	0	0	-1.8578993
## 81	1	1	0	0	-1.5232602
## 83	1	1	0	0	-3.2188759
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## 91	2	0	1	0	-0.35738945
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## 99	2	0	1	0	-0.60880595
## 100	1	1	0	0	-6.9077554
## 101	<NA>	<NA>	<NA>	<NA>	<NA>
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## 121	2	0	1	0	-1.0526834
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## 132	1	1	0	0	-1.5606477
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## 137	2	0	1	0	-0.22064669
## 139	3	0	0	1	0.34712949
## 140	1	1	0	0	-6.9077554
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## 142	3	0	0	1	0.13889204
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## 171	1	1	0	0	-1.171183
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## 184	3	0	0	1	0.63392782
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## 186	<NA>	<NA>	<NA>	<NA>	<NA>
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## 206	1	1	0	0	-1.5896353
## 209	3	0	0	1	0.76173997
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## 211	2	0	1	0	-0.50252676
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## 236	3	0	0	1	0.11064651
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## 2	1	1	1	0	0
## 3	1	1	1	0	0
## 4	3	3	0	0	1
## 5	2	2	0	1	0
## 6	1	1	1	0	0
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## 46	2	2	0	1	0	0.5423243
## 47	3	3	0	0	1	4.0859761
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## 49	2	2	0	1	0	0.51282364
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## 51	3	3	0	0	1	1.1878434
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## 56	2	2	0	1	0	0.41871032
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## 20	46.25	3	3	0	0	
## 21	14.95	1	1	1	0	
## 23	52.529999	3	3	0	0	
## 25	17.9	1	1	1	0	
## 26	<NA>	<NA>	<NA>	<NA>	<NA>	
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## 28	24.091	2	2	0	1	
## 29	<NA>	<NA>	<NA>	<NA>	<NA>	
## 30	60.983002	3	3	0	0	
## 33	15.3	1	1	1	0	
## 34	10.663	1	1	1	0	
## 35	<NA>	<NA>	<NA>	<NA>	<NA>	

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## 40	26.132	2	2	0	1
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## 44	13.54	1	1	1	0
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## 46	20.68	2	2	0	1
## 47	-42.700001	1	1	1	0
## 48	10.43	1	1	1	0
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## 51	19.620001	2	2	0	1
## 52	124.078	3	3	0	0
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## 55	20.139999	2	2	0	1
## 56	20.18	2	2	0	1
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## 58	15.83	1	1	1	0
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## 60	<NA>	<NA>	<NA>	<NA>	<NA>
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## 68	4.0900002	1	1	1	0
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## 70	<NA>	<NA>	<NA>	<NA>	<NA>
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## 77	34.389999	2	2	0	1
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## 80	18.325001	2	1	1	0
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## 100	60.369999	3	3	0	0

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## 131	19.695999	2	2	0	1
## 132	41.758999	3	3	0	0
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## 137	48.669998	3	3	0	0
## 139	91.639999	3	3	0	0
## 140	21.57	2	2	0	1
## 141	21.200001	2	2	0	1
## 142	192.7	3	3	0	0
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## 150	17.271999	1	1	1	0
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## 154	15.8	1	1	1	0
## 155	56.908001	3	3	0	0
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## 169	2.5799999	1	1	1	0

## 170	46.299999	3	3	0	0
## 171	24.507	2	2	0	1
## 172	20.552	2	2	0	1
## 174	-34.299999	1	1	1	0
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## 180	33.431	2	2	0	1
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## 183	29.66	2	2	0	1
## 184	13.49	1	1	1	0
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## 194	189.3	3	3	0	0
## 195	90.459999	3	3	0	0
## 196	40.66	3	3	0	0
## 198	-18.700001	1	1	1	0
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## 205	14.14	1	1	1	0
## 206	27.872999	2	2	0	1
## 209	49.380001	3	3	0	0
## 210	360.56	3	3	0	0
## 211	13.649	1	1	1	0
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## 214	14.64	1	1	1	0
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## 216	25.594	2	2	0	1
## 217	9.7069998	1	1	1	0
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## 227	24.802	2	2	0	1
## 228	56.700001	3	3	0	0
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## 231	41.43	3	3	0	0
## 232	10.59	1	1	1	0
## 233	23.889999	2	2	0	1
## 234	18.007	1	1	1	0
## 236	3.7	1	1	1	0
## 238	30.709999	2	2	0	1
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## 4	<NA>	<NA>	6338	1	1	1
## 5	1	3.7247291	16164.642	3	3	0
## 6	0	2.6066816	10990.4	2	3	0
## 7	0	3.3279095	8882	2	2	0
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## 10	<NA>	<NA>	7857	1	1	1
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## 14	<NA>	<NA>	3234	1	1	1
## 16	0	3.2511494	11006	2	3	0
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## 20	1	3.8340614	8837.0596	2	2	0
## 21	0	2.7047112	5651	1	1	1
## 23	1	3.9613843	17822	3	3	0
## 25	0	2.8848007	23326	3	3	0
## 26	<NA>	<NA>	9137	2	2	0
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## 28	0	3.1818383	2884	1	1	1
## 29	<NA>	<NA>	16117.957	3	3	0
## 30	1	4.1105952	13666	3	3	0
## 33	0	2.7278528	33247.422	3	3	0
## 34	0	2.3667798	26676.521	3	3	0
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## 39	<NA>	<NA>	20975.131	3	3	0
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## 41	0	3.2875807	16590.643	3	3	0
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## 47	0	-6.9077554	16545.902	3	3	0
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## 49	<NA>	<NA>	18104.01	3	3	0
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## 52	1	4.8209105	8214.5947	2	2	0
## 54	0	3.4352767	17220.887	3	3	0
## 55	0	3.002708	8482	2	2	0
## 56	0	3.0046921	4603	1	1	1
## 57	<NA>	<NA>	23066.225	3	3	0
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## 59	0	3.1419947	4803	1	1	1
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## 69	0	3.4137845	16755.984	3	3	0
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## 79	1	4.5783129	12313	2	3	0
## 80	0	2.9082663	8364.376	2	2	0
## 81	1	4.3837752	9074	2	2	0
## 83	0	3.2003045	13972.397	3	3	0
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## 91	1	4.5471382	4256	1	1	1
## 92	<NA>	<NA>	5092.543	1	1	1
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## 100	1	4.1004925	11875	2	3	0
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## 116	<NA>	<NA>	6179	1	1	1
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## 119	0	2.8197706	9636	2	2	0
## 120	0	2.4375529	4372	1	1	1
## 121	0	3.5177648	12452	2	3	0
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## 129	0	2.4807312	5086	1	1	1
## 131	0	2.9804156	19597.926	3	3	0

## 132	1	3.731915	31142.709	3	3	0
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## 139	1	4.517868	8977	2	2	0
## 140	0	3.0713034	9646.2646	2	2	0
## 141	0	3.0540013	10019	2	3	0
## 142	1	5.2611346	19312	3	3	0
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## 151	0	3.5590556	14551	3	3	0
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## 155	1	4.0414357	9963.333	2	3	0
## 156	<NA>	<NA>	3361.3118	1	1	1
## 157	0	2.5695541	4644	1	1	1
## 158	0	3.0506938	3157.0654	1	1	1
## 159	1	4.4365149	15746.423	3	3	0
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## 163	0	3.1072736	10974.839	2	3	0
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## 169	0	0.94778937	6303	1	1	1
## 170	1	3.8351419	8050	1	1	1
## 171	0	3.1989589	13651.438	3	3	0
## 172	0	3.0229583	4933	1	1	1
## 174	0	-6.9077554	10572	2	3	0
## 175	<NA>	<NA>	3666	1	1	1
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## 180	0	3.5094836	5973.7202	1	1	1
## 181	0	3.4769232	10832	2	3	0
## 183	0	3.3897994	13737	3	3	0
## 184	0	2.6019487	6276	1	1	1
## 185	0	3.5376496	10346.538	2	3	0
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## 194	1	5.2433329	21572.309	3	3	0
## 195	1	4.5049076	11799.605	2	3	0
## 196	1	3.7052448	34494.297	3	3	0
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## 204	1	3.7674596	6648	1	1	1
## 205	0	2.6490078	2911.9697	1	1	1
## 206	0	3.3276584	11517.551	2	3	0
## 209	1	3.8995454	14699.903	3	3	0
## 210	1	5.8876586	22791.951	3	3	0
## 211	0	2.6136663	5442.6797	1	1	1
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## 214	0	2.6837575	7255	1	1	1
## 215	0	2.0149031	13641	3	3	0
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## 217	0	2.2728472	5308	1	1	1
## 218	<NA>	<NA>	13801.22	3	3	0
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## 222	1	3.8846519	10902.866	2	3	0
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## 225	1	3.9195943	17082.777	3	3	0
## 226	1	3.977586	13309.083	3	3	0
## 227	0	3.2109244	7437	1	1	1
## 228	1	4.0377741	14585	3	3	0
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## 231	1	3.7240052	5639.1455	1	1	1
## 232	0	2.3599102	10338	2	3	0
## 233	0	3.17346	7717	1	1	1
## 234	0	2.8907607	4853	1	1	1
## 236	0	1.3083328	3731	1	1	1
## 238	0	3.4245882	7985	1	1	1
## 239	<NA>	<NA>	3808	1	1	1
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## 3	0	0	8.6513748	4127	1	1
## 4	0	0	8.7543182	<NA>	<NA>	<NA>
## 5	0	1	9.6905813	23846.252	3	3
## 6	0	1	9.3047771	9300.0186	2	2
## 7	1	0	9.0917816	9841	2	2
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## 230	1	0	0	8.7690411	1686
## 231	1	0	0	8.5898008	-262.60254
## 232	1	0	0	9.0143251	-2118
## 233	0	1	0	9.2713413	2912
## 234	1	0	0	8.8779402	2319
## 236	1	0	0	8.5171928	1269
## 238	0	1	0	9.0290585	357
## 239	<NA>	<NA>	<NA>	<NA>	<NA>
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## 4	<NA>	<NA>	<NA>	<NA>	<NA>
## 5	3	3	0	0	1
## 6	1	1	1	0	0
## 7	2	2	0	1	0
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## 19	<NA>	<NA>	<NA>	<NA>	<NA>

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## 21	2	2	0	1	0
## 23	1	1	1	0	0
## 25	3	3	0	0	1
## 26	<NA>	<NA>	<NA>	<NA>	<NA>
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## 28	2	2	0	1	0
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## 33	1	1	1	0	0
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## 37	2	2	0	1	0
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## 40	2	2	0	1	0
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## 52	2	2	0	1	0
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## 55	2	2	0	1	0
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## 57	<NA>	<NA>	<NA>	<NA>	<NA>
## 58	2	2	0	1	0
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## 62	2	2	0	1	0
## 65	<NA>	<NA>	<NA>	<NA>	<NA>
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## 69	1	1	1	0	0
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## 79	1	1	1	0	0
## 80	1	1	1	0	0
## 81	1	1	1	0	0
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## 91	2	2	0	1	0
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## 100	1	1	1	0	0
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## 119	2	2	0	1	0
## 120	2	2	0	1	0
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## 122	<NA>	<NA>	<NA>	<NA>	<NA>
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## 128	3	3	0	0	1
## 129	2	2	0	1	0
## 131	1	1	1	0	0
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## 134	<NA>	<NA>	<NA>	<NA>	<NA>
## 136	2	2	0	1	0
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## 139	3	3	0	0	1
## 140	1	1	1	0	0
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## 144	3	3	0	0	1
## 146	<NA>	<NA>	<NA>	<NA>	<NA>
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## 167	1	1	1	0	0
## 168	3	3	0	0	1
## 169	2	2	0	1	0
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## 179	<NA>	<NA>	<NA>	<NA>	<NA>
## 180	1	1	1	0	0
## 181	2	2	0	1	0
## 183	3	3	0	0	1
## 184	2	2	0	1	0
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## 190	3	3	0	0	1
## 193	2	2	0	1	0
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## 195	2	2	0	1	0
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## 205	2	2	0	1	0
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## 209	1	1	1	0	0
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## 214	2	2	0	1	0
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## 218	<NA>	<NA>	<NA>	<NA>	<NA>
## 220	3	3	0	0	1
## 222	1	1	1	0	0
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## 226	3	3	0	0	1
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## 229	<NA>	<NA>	<NA>	<NA>	<NA>
## 230	3	3	0	0	1
## 231	2	2	0	1	0
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## 233	3	3	0	0	1
## 234	3	3	0	0	1
## 236	2	2	0	1	0
## 238	2	2	0	1	0
## 239	<NA>	<NA>	<NA>	<NA>	<NA>
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## 2	-6.9077554	1248	1	1	1
## 3	-6.9077554	5464	3	3	0
## 4	<NA>	671	1	1	1
## 5	8.9465847	4208.3657	2	2	0
## 6	-6.9077554	683.63104	1	1	1
## 7	6.865891	7534	3	3	0
## 8	<NA>	<NA>	<NA>	<NA>	<NA>
## 10	<NA>	1852	2	2	0
## 11	<NA>	3043.6047	2	2	0
## 12	6.8597727	6393.2446	3	3	0
## 13	<NA>	<NA>	<NA>	<NA>	<NA>
## 14	<NA>	198	1	1	1
## 16	10.951367	694	1	1	1
## 17	<NA>	<NA>	<NA>	<NA>	<NA>
## 18	6.6554403	986	1	1	1
## 19	<NA>	<NA>	<NA>	<NA>	<NA>
## 20	7.9951162	621.20593	1	1	1
## 21	-6.9077554	7644	3	3	0
## 23	-6.9077554	20450	3	3	0
## 25	8.2480059	247110	3	3	0
## 26	<NA>	6846	3	3	0
## 27	<NA>	4372.8027	2	2	0
## 28	-6.9077554	2343	2	2	0
## 29	<NA>	461.33679	1	1	1
## 30	-6.9077554	28888	3	3	0
## 33	-6.9077554	8806.5078	3	3	0
## 34	-6.9077554	1329.198	1	1	1
## 35	<NA>	3055	2	2	0
## 36	<NA>	39795.246	3	3	0
## 37	6.5652637	2443.7146	2	2	0
## 38	-6.9077554	10090.029	3	3	0
## 39	<NA>	2557.907	2	2	0
## 40	-6.9077554	4895.042	3	3	0
## 41	-6.9077554	1140.4001	1	1	1
## 43	<NA>	4062.1997	2	2	0
## 44	-6.9077554	1525.6088	1	1	1
## 45	<NA>	334.96399	1	1	1
## 46	-6.9077554	1604	2	2	0
## 47	7.073895	6416.083	3	3	0
## 48	8.5424709	855	1	1	1

## 49	<NA>	17701.324	3	3	0
## 50	<NA>	1305	1	1	1
## 51	8.7339163	64285	3	3	0
## 52	-6.9077554	2273.1875	2	2	0
## 54	8.9750433	13904.051	3	3	0
## 55	6.7990561	1962	2	2	0
## 56	8.1516218	27022	3	3	0
## 57	<NA>	1412.9391	1	1	1
## 58	2.1972246	1355	1	1	1
## 59	5.521461	2870	2	2	0
## 60	<NA>	<NA>	<NA>	<NA>	<NA>
## 62	-6.9077554	1706	2	2	0
## 65	<NA>	<NA>	<NA>	<NA>	<NA>
## 67	7.9314952	4284.4941	2	2	0
## 68	7.3178763	766	1	1	1
## 69	-6.9077554	254.26813	1	1	1
## 70	<NA>	1617	2	2	0
## 71	5.5095544	768.89465	1	1	1
## 72	<NA>	5501.0225	3	3	0
## 73	7.9327211	622	1	1	1
## 74	<NA>	2180	2	2	0
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## 76	<NA>	2905	2	2	0
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## 79	-6.9077554	11790	3	3	0
## 80	-6.9077554	613.59314	1	1	1
## 81	-6.9077554	740	1	1	1
## 83	-6.9077554	1792.0574	2	2	0
## 87	<NA>	3203.4739	2	2	0
## 88	<NA>	2114.8408	2	2	0
## 89	-6.9077554	5067	3	3	0
## 90	7.5320883	338	1	1	1
## 91	-6.9077554	741	1	1	1
## 92	<NA>	2198.5818	2	2	0
## 93	<NA>	95569.797	3	3	0
## 94	11.822446	3637.4045	2	2	0
## 95	<NA>	733	1	1	1
## 96	-6.9077554	4534	2	2	0
## 97	<NA>	1036	1	1	1
## 98	-6.9077554	1284	1	1	1
## 99	6.3919172	1667	2	2	0
## 100	-6.9077554	993	1	1	1
## 101	<NA>	2437.6243	2	2	0
## 102	<NA>	<NA>	<NA>	<NA>	<NA>
## 103	<NA>	987	1	1	1
## 105	7.4280963	2997.9277	2	2	0
## 107	<NA>	<NA>	<NA>	<NA>	<NA>
## 108	8.3099232	4797	3	2	0
## 109	-6.9077554	5112.7686	3	3	0
## 110	<NA>	947.03461	1	1	1
## 112	<NA>	490.2655	1	1	1
## 113	7.1756248	4523.5366	2	2	0
## 116	<NA>	1401	1	1	1
## 118	-6.9077554	5486	3	3	0

## 119	6.9679093	4454	2	2	0
## 120	-6.9077554	984	1	1	1
## 121	7.7561955	5267	3	3	0
## 122	<NA>	2562.4746	2	2	0
## 123	-6.9077554	333.44144	1	1	1
## 124	<NA>	<NA>	<NA>	<NA>	<NA>
## 125	6.853631	1117.5616	1	1	1
## 126	<NA>	1739	2	2	0
## 127	7.410603	714.08234	1	1	1
## 128	9.6281424	1122.1294	1	1	1
## 129	-6.9077554	349	1	1	1
## 131	-6.9077554	478.08499	1	1	1
## 132	-6.9077554	2586.8357	2	2	0
## 134	<NA>	<NA>	<NA>	<NA>	<NA>
## 136	-6.9077554	584.66443	1	1	1
## 137	9.2438431	5134.0845	3	3	0
## 139	8.7820158	6395	3	3	0
## 140	-6.9077554	11548.646	3	3	0
## 141	-6.9077554	8660	3	3	0
## 142	7.7128911	3904	2	2	0
## 144	7.521318	3439	2	2	0
## 146	<NA>	<NA>	<NA>	<NA>	<NA>
## 147	<NA>	509	1	1	1
## 148	8.3409128	5944.0884	3	3	0
## 149	<NA>	7532.1221	3	3	0
## 150	-6.9077554	6551.5913	3	3	0
## 151	7.5694118	1502	1	1	1
## 154	-6.9077554	2367.5864	2	2	0
## 155	-6.9077554	1364.217	1	1	1
## 156	<NA>	298.42249	1	1	1
## 157	-6.9077554	1645	2	2	0
## 158	6.1747551	3366.3882	2	2	0
## 159	-6.9077554	3932.782	2	2	0
## 160	<NA>	754	1	1	1
## 161	6.3044486	4820	3	2	0
## 162	<NA>	1391.6232	1	1	1
## 163	6.0680437	2515.2751	2	2	0
## 164	<NA>	22364.938	3	3	0
## 166	<NA>	1190	1	1	1
## 167	-6.9077554	713	1	1	1
## 168	7.3434262	5060	3	3	0
## 169	5.32301	20276	3	3	0
## 170	10.942792	4351	2	2	0
## 171	7.3783236	2764.9756	2	2	0
## 172	7.6718268	407	1	1	1
## 174	8.5281334	36575	3	3	0
## 175	<NA>	584	1	1	1
## 176	<NA>	5884.7085	3	3	0
## 177	8.4034185	12177.464	3	3	0
## 179	<NA>	773	1	1	1
## 180	-6.9077554	5578.6733	3	3	0
## 181	6.025866	5240	3	3	0
## 183	8.7546339	102965	3	3	0
## 184	5.817111	752	1	1	1

## 185	7.2306318	793.25568	1	1	1	
## 186	<NA>	379	1	1	1	
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## 190	7.6930256	2219	2	2	0	
## 193	-6.9077554	2056	2	2	0	
## 194	8.7697678	38938.043	3	3	0	
## 195	6.9807243	3702.8748	2	2	0	
## 196	-6.9077554	305283.16	3	3	0	
## 198	-6.9077554	9954	3	3	0	
## 199	<NA>	<NA>	<NA>	<NA>	<NA>	
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## 203	8.9518881	31757.633	3	3	0	
## 204	10.522315	588	1	1	1	
## 205	6.9153419	680.58594	1	1	1	
## 206	-6.9077554	619.68341	1	1	1	
## 209	-6.9077554	2043.2804	2	2	0	
## 210	-6.9077554	834.36487	1	1	1	
## 211	-6.9077554	3652.6301	2	2	0	
## 212	<NA>	<NA>	<NA>	<NA>	<NA>	
## 214	-6.9077554	2598	2	2	0	
## 215	-6.9077554	914	1	1	1	
## 216	-6.9077554	711.03723	1	1	1	
## 217	6.4441314	265	1	1	1	
## 218	<NA>	2576.1777	2	2	0	
## 220	8.3320675	5340	3	3	0	
## 222	-6.9077554	1367.2621	1	1	1	
## 223	5.7037826	1499	1	1	1	
## 224	<NA>	5489	3	3	0	
## 225	8.6542492	9914.9346	3	3	0	
## 226	7.7128839	13296.548	3	3	0	
## 227	8.1013746	1254	1	1	1	
## 228	8.0398026	5273	3	3	0	
## 229	<NA>	8607.0518	3	3	0	
## 230	7.4301143	1616	2	2	0	
## 231	-6.9077554	1406.8488	1	1	1	
## 232	-6.9077554	5527	3	3	0	
## 233	7.9765954	471	1	1	1	
## 234	7.7488914	7249	3	3	0	
## 236	7.1459846	7018	3	3	0	
## 238	5.8777356	3937	2	2	0	
## 239	<NA>	287	1	1	1	
##	i_ntbnppre3cat2	i_ntbnppre3cat3	logntp0	ntpro1_adj	tntbnp_1	ntbnppost3cat
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## 2	0	0	7.1292977	7969	1	1
## 3	0	1	8.6059361	37278	3	3
## 4	0	0	6.508769	<NA>	<NA>	<NA>
## 5	1	0	8.3448296	24511.752	3	3
## 6	0	0	6.5274181	8937.4482	1	1
## 7	0	1	8.9271812	11589	2	2
## 8	<NA>	<NA>	<NA>	659.27008	1	1
## 10	1	0	7.5240216	<NA>	<NA>	<NA>
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## 12	0	1	8.7629976	30612.664	3	3

## 13	<NA>	<NA>	<NA>	38271	3	3
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## 16	0	0	6.5424719	7019	1	1
## 17	<NA>	<NA>	<NA>	2829	1	1
## 18	0	0	6.8936563	27019	3	3
## 19	<NA>	<NA>	<NA>	<NA>	<NA>	<NA>
## 20	0	0	6.4316626	8501.9951	1	1
## 21	0	1	8.9416761	39487	3	3
## 23	0	1	9.9257383	16255	2	2
## 25	0	1	12.417589	246861	3	3
## 26	0	1	8.8314199	<NA>	<NA>	<NA>
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## 28	1	0	7.7591872	13279	2	2
## 29	0	0	6.1341286	<NA>	<NA>	<NA>
## 30	0	1	10.271181	43047	3	3
## 33	0	1	9.0832462	36072.578	3	3
## 34	0	0	7.1923308	20180.059	2	2
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## 174	0	1 10.50712	105302	3	3
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## 184	0	0 6.6227365	8352	1	1
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## 206	0	0 6.4292088	6288.188	1	1
## 209	1	0 7.6223121	5379.2173	1	1
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## 211	1	0 8.2032032	15633.684	2	2
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## 20	1	0	0 9.0480566	7880.7891	
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## 81	1	0	0	8.4852896	4103
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## 141	0	1	0	9.3418951	2746
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## 6	2	2	0	1	0
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## 23	1	1	1	0	0
## 25	1	1	1	0	0
## 26	<NA>	<NA>	<NA>	<NA>	<NA>
## 27	<NA>	<NA>	<NA>	<NA>	<NA>
## 28	2	2	0	1	0
## 29	<NA>	<NA>	<NA>	<NA>	<NA>
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## 33	3	3	0	0	1
## 34	3	3	0	0	1
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## 38	1	1	1	0	0
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## 40	3	3	0	0	1
## 41	2	2	0	1	0
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## 52	2	2	0	1	0
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## 55	2	2	0	1	0
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## 68	1	1	1	0	0
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## 70	<NA>	<NA>	<NA>	<NA>	<NA>
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## 77	2	2	0	1	0
## 79	2	2	0	1	0
## 80	2	2	0	1	0
## 81	1	1	1	0	0
## 83	2	2	0	1	0
## 87	<NA>	<NA>	<NA>	<NA>	<NA>
## 88	<NA>	<NA>	<NA>	<NA>	<NA>
## 89	1	1	1	0	0
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## 99	2	2	0	1	0
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## 110	<NA>	<NA>	<NA>	<NA>	<NA>
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## 113	1	1	1	0	0
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## 120	3	3	0	0	1
## 121	3	3	0	0	1
## 122	<NA>	<NA>	<NA>	<NA>	<NA>
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## 127	2	2	0	1	0
## 128	3	3	0	0	1
## 129	2	2	0	1	0
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## 132	1	1	1	0	0
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## 136	1	1	1	0	0
## 137	3	3	0	0	1
## 139	3	3	0	0	1
## 140	1	1	1	0	0

## 141	1	1	1	0	0
## 142	3	3	0	0	1
## 144	2	2	0	1	0
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## 156	<NA>	<NA>	<NA>	<NA>	<NA>
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## 160	<NA>	<NA>	<NA>	<NA>	<NA>
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## 164	<NA>	<NA>	<NA>	<NA>	<NA>
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## 167	1	1	1	0	0
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## 169	3	3	0	0	1
## 170	3	3	0	0	1
## 171	1	1	1	0	0
## 172	2	2	0	1	0
## 174	3	3	0	0	1
## 175	<NA>	<NA>	<NA>	<NA>	<NA>
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## 180	3	3	0	0	1
## 181	2	2	0	1	0
## 183	3	3	0	0	1
## 184	1	1	1	0	0
## 185	2	2	0	1	0
## 186	<NA>	<NA>	<NA>	<NA>	<NA>
## 188	<NA>	<NA>	<NA>	<NA>	<NA>
## 190	1	1	1	0	0
## 193	3	3	0	0	1
## 194	1	1	1	0	0
## 195	2	2	0	1	0
## 196	1	1	1	0	0
## 198	1	1	1	0	0
## 199	<NA>	<NA>	<NA>	<NA>	<NA>
## 200	<NA>	<NA>	<NA>	<NA>	<NA>
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## 203	3	3	0	0	1
## 204	1	1	1	0	0
## 205	1	1	1	0	0
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## 209	1	1	1	0	0
## 210	3	3	0	0	1

## 211	2	2	0	1	0	
## 212	<NA>	<NA>	<NA>	<NA>	<NA>	
## 214	3	3	0	0	1	
## 215	2	2	0	1	0	
## 216	1	1	1	0	0	
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## 218	<NA>	<NA>	<NA>	<NA>	<NA>	
## 220	3	3	0	0	1	
## 222	2	2	0	1	0	
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## 224	<NA>	<NA>	<NA>	<NA>	<NA>	
## 225	3	2	0	1	0	
## 226	2	2	0	1	0	
## 227	2	2	0	1	0	
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## 229	<NA>	<NA>	<NA>	<NA>	<NA>	
## 230	1	1	1	0	0	
## 231	2	2	0	1	0	
## 232	3	3	0	0	1	
## 233	2	2	0	1	0	
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## 236	3	3	0	0	1	
## 238	2	2	0	1	0	
## 239	<NA>	<NA>	<NA>	<NA>	<NA>	
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## 1	<NA>	3205.0713	2	2	0	1
## 2	8.8129921	5051	3	3	0	0
## 3	10.367661	2571	1	1	1	0
## 4	<NA>	5561	3	3	0	0
## 5	9.9185429	2801.4409	1	1	1	0
## 6	9.0184307	6772.791	3	3	0	0
## 7	8.3077059	3393	2	2	0	1
## 8	<NA>	<NA>	<NA>	<NA>	<NA>	<NA>
## 10	<NA>	2900	1	1	1	0
## 11	<NA>	10164.985	3	3	0	0
## 12	10.09491	4965.7339	3	3	0	0
## 13	<NA>	<NA>	<NA>	<NA>	<NA>	<NA>
## 14	<NA>	4180	2	2	0	1
## 16	8.752265	2370	1	1	1	0
## 17	<NA>	<NA>	<NA>	<NA>	<NA>	<NA>
## 18	10.16712	1942	1	1	1	0
## 19	<NA>	<NA>	<NA>	<NA>	<NA>	<NA>
## 20	8.9721832	2628.2356	1	1	1	0
## 21	10.368573	4383	2	2	0	1
## 23	-6.9077554	4904	3	3	0	0
## 25	-6.9077554	13910	3	3	0	0
## 26	<NA>	6857	3	3	0	0
## 27	<NA>	4416.7349	2	2	0	1
## 28	9.2998152	4862	3	3	0	0
## 29	<NA>	4349.4634	2	2	0	1
## 30	9.5581055	3294	2	2	0	1
## 33	10.213398	6687.7349	3	3	0	0
## 34	9.8443136	11262.983	3	3	0	0
## 35	<NA>	5874	3	3	0	0

## 36	<NA>	3225.9487	2	2	0	1
## 37	9.7926846	3222.8557	2	2	0	1
## 38	8.5169086	3965.9373	2	2	0	1
## 39	<NA>	2762.0059	1	1	1	0
## 40	11.100705	3998.4133	2	2	0	1
## 41	9.289794	3334.2019	2	2	0	1
## 43	<NA>	3253.7852	2	2	0	1
## 44	9.595212	4247.396	2	2	0	1
## 45	<NA>	1762.9824	1	1	1	0
## 46	8.4033527	5868	3	3	0	0
## 47	8.812252	4820.3652	3	3	0	0
## 48	9.2575102	5009	3	3	0	0
## 49	<NA>	3263.064	2	2	0	1
## 50	<NA>	3009	1	1	1	0
## 51	11.901671	5159	3	3	0	0
## 52	9.4164286	10451.084	3	3	0	0
## 54	10.787617	5579.6851	3	3	0	0
## 55	9.1827641	4279	2	2	0	1
## 56	11.099545	4261	2	2	0	1
## 57	<NA>	5045.3774	3	3	0	0
## 58	9.2934856	3303	2	2	0	1
## 59	8.6166763	2856	1	1	1	0
## 60	<NA>	<NA>	<NA>	<NA>	<NA>	<NA>
## 62	8.5998783	2841	1	1	1	0
## 65	<NA>	<NA>	<NA>	<NA>	<NA>	<NA>
## 67	9.4200153	3580.0916	2	2	0	1
## 68	8.8990488	1792	1	1	1	0
## 69	10.010541	3438.5891	2	2	0	1
## 70	<NA>	6719	3	3	0	0
## 71	9.3101177	4610.8179	2	2	0	1
## 72	<NA>	3261.5176	2	2	0	1
## 73	9.4091911	2690	1	1	1	0
## 74	<NA>	3322	2	2	0	1
## 75	<NA>	3009.4419	1	1	1	0
## 76	<NA>	6880	3	3	0	0
## 77	9.6015034	6320	3	3	0	0
## 79	9.4778452	5318	3	3	0	0
## 80	9.2606859	6102.3936	3	3	0	0
## 81	8.3194733	3902	2	2	0	1
## 83	9.5066452	3177.2346	1	1	1	0
## 87	<NA>	4735.3091	3	3	0	0
## 88	<NA>	3706.9026	2	2	0	1
## 89	7.7566233	4975	3	3	0	0
## 90	8.4635811	6329	3	3	0	0
## 91	8.7927017	1507	1	1	1	0
## 92	<NA>	3364.3582	2	2	0	1
## 93	<NA>	13058.442	3	3	0	0
## 94	10.254158	3042.6912	1	1	1	0
## 95	<NA>	2668	1	1	1	0
## 96	10.294144	2384	1	1	1	0
## 97	<NA>	4679	3	3	0	0
## 98	9.7437296	6297	3	3	0	0
## 99	9.003562	5454	3	3	0	0
## 100	8.6921539	4445	2	2	0	1

## 101	<NA>	3640.4041	2	2	0	1
## 102	<NA>	<NA>	<NA>	<NA>	<NA>	<NA>
## 103	<NA>	4370	2	2	0	1
## 105	9.5102615	3970.5767	2	2	0	1
## 107	<NA>	<NA>	<NA>	<NA>	<NA>	<NA>
## 108	10.559608	1845	1	1	1	0
## 109	10.53855	7601.7021	3	3	0	0
## 110	<NA>	2990.8843	1	1	1	0
## 112	<NA>	4149.9678	2	2	0	1
## 113	8.9149342	3515.1396	2	2	0	1
## 116	<NA>	4579	2	2	0	1
## 118	8.4252968	3294	2	2	0	1
## 119	8.0452681	2783	1	1	1	0
## 120	10.065777	4383	2	2	0	1
## 121	10.175993	3452	2	2	0	1
## 122	<NA>	3583.1846	2	2	0	1
## 123	9.6433563	2891.9099	1	1	1	0
## 124	<NA>	<NA>	<NA>	<NA>	<NA>	<NA>
## 125	8.2524099	2616.6372	1	1	1	0
## 126	<NA>	3317	2	2	0	1
## 127	9.3076344	3585.5042	2	2	0	1
## 128	10.132965	6223.792	3	3	0	0
## 129	9.1306477	4484	2	2	0	1
## 131	10.066019	2098.5676	1	1	1	0
## 132	7.9636688	4650.2529	3	2	0	1
## 134	<NA>	<NA>	<NA>	<NA>	<NA>	<NA>
## 136	8.8900776	2028.2031	1	1	1	0
## 137	10.113224	10552.378	3	3	0	0
## 139	10.455187	9031	3	3	0	0
## 140	-6.9077554	3481.8904	2	2	0	1
## 141	7.9179006	31941	3	3	0	0
## 142	10.065606	10382	3	3	0	0
## 144	9.2554092	2761	1	1	1	0
## 146	<NA>	<NA>	<NA>	<NA>	<NA>	<NA>
## 147	<NA>	3515	2	2	0	1
## 148	9.2882462	8927.8047	3	3	0	0
## 149	<NA>	4589.167	2	2	0	1
## 150	8.9190178	6949.0894	3	3	0	0
## 151	9.7347727	3445	2	2	0	1
## 154	8.9831352	4122.9048	2	2	0	1
## 155	9.7429924	2772.8313	1	1	1	0
## 156	<NA>	2264.814	1	1	1	0
## 157	8.634798	9617	3	3	0	0
## 158	9.6012039	4490.1929	2	2	0	1
## 159	10.436408	4693.5542	3	3	0	0
## 160	<NA>	3809	2	2	0	1
## 161	9.6660547	3400	2	2	0	1
## 162	<NA>	3788.0925	2	2	0	1
## 163	10.164653	2959.1816	1	1	1	0
## 164	<NA>	4856.7075	3	3	0	0
## 166	<NA>	5181	3	3	0	0
## 167	8.6849089	4454	2	2	0	1
## 168	7.800982	6791	3	3	0	0
## 169	9.7456636	5887	3	3	0	0

## 170	10.430167	2548	1	1	1	0
## 171	8.9275389	4658.7583	3	2	0	1
## 172	9.2974348	3799	2	2	0	1
## 174	11.137897	40871	3	3	0	0
## 175	<NA>	4421	2	2	0	1
## 176	<NA>	8224.1582	3	3	0	0
## 177	10.014297	42554.375	3	3	0	0
## 179	<NA>	3318	2	2	0	1
## 180	10.301842	4374.98	2	2	0	1
## 181	9.1975594	3230	2	2	0	1
## 183	10.385605	20501	3	3	0	0
## 184	8.9359035	9388	3	3	0	0
## 185	9.5277061	6707.0659	3	3	0	0
## 186	<NA>	2529	1	1	1	0
## 188	<NA>	<NA>	<NA>	<NA>	<NA>	<NA>
## 190	7.8547692	4797	3	3	0	0
## 193	9.9887934	2961	1	1	1	0
## 194	8.9650087	3608.7014	2	2	0	1
## 195	9.6280327	1592.0969	1	1	1	0
## 196	-6.9077554	31559.705	3	3	0	0
## 198	-6.9077554	6607	3	3	0	0
## 199	<NA>	<NA>	<NA>	<NA>	<NA>	<NA>
## 200	<NA>	3891	2	2	0	1
## 202	<NA>	2217	1	1	1	0
## 203	11.053699	4879.9048	3	3	0	0
## 204	8.2553091	2438	1	1	1	0
## 205	8.863081	1849.5851	1	1	1	0
## 206	8.6426802	3848.4053	2	2	0	1
## 209	8.1125088	2377.7065	1	1	1	0
## 210	10.932507	9493.8154	3	3	0	0
## 211	9.3910818	5762.1689	3	3	0	0
## 212	<NA>	<NA>	<NA>	<NA>	<NA>	<NA>
## 214	10.055779	1974	1	1	1	0
## 215	9.4719353	4183	2	2	0	1
## 216	8.8430586	3402.2468	2	2	0	1
## 217	8.6593866	2130	1	1	1	0
## 218	<NA>	3297.8599	2	2	0	1
## 220	9.7592707	4586	2	2	0	1
## 222	9.1903687	3624.9395	2	2	0	1
## 223	-6.9077554	3102	1	1	1	0
## 224	<NA>	4487	2	2	0	1
## 225	9.7227678	4195.5889	2	2	0	1
## 226	9.6970854	4890.73	3	3	0	0
## 227	9.1860476	4107	2	2	0	1
## 228	9.3004551	7273	3	3	0	0
## 229	<NA>	6913.5205	3	3	0	0
## 230	7.7985229	3473	2	2	0	1
## 231	9.3698902	4000.7329	2	2	0	1
## 232	10.133051	10061	3	3	0	0
## 233	9.42311	3979	2	2	0	1
## 234	9.7080202	3017	1	1	1	0
## 236	10.336373	4163	2	2	0	1
## 238	9.2359104	8250	3	3	0	0
## 239	<NA>	3022	1	1	1	0

##	i_st2pre3cat3	logst20	st21_adj	tst2_1	st2post3cat	i_st2post3cat1
## 1	0	8.0724897	<NA>	<NA>	<NA>	<NA>
## 2	1	8.5273418	53437	2	2	0
## 3	0	7.8520503	112780	3	3	0
## 4	1	8.6235332	<NA>	<NA>	<NA>	<NA>
## 5	0	7.9378891	67607.281	3	3	0
## 6	1	8.8206682	12149.888	1	1	1
## 7	0	8.1294699	54245	2	2	0
## 8	<NA>	<NA>	2221.5125	1	1	1
## 10	0	7.972466	<NA>	<NA>	<NA>	<NA>
## 11	1	9.2267046	<NA>	<NA>	<NA>	<NA>
## 12	1	8.5103168	81395.664	3	3	0
## 13	<NA>	<NA>	23538	1	1	1
## 14	0	8.3380661	<NA>	<NA>	<NA>	<NA>
## 16	0	7.7706451	44528	2	2	0
## 17	<NA>	<NA>	11722	1	1	1
## 18	0	7.5714736	28262	1	1	1
## 19	<NA>	<NA>	<NA>	<NA>	<NA>	<NA>
## 20	0	7.8740683	71728.641	3	3	0
## 21	0	8.3854885	88372	3	3	0
## 23	1	8.4978065	43257	2	2	0
## 25	1	9.5403633	37340	2	2	0
## 26	1	8.833025	<NA>	<NA>	<NA>	<NA>
## 27	0	8.3931561	<NA>	<NA>	<NA>	<NA>
## 28	1	8.4892054	23239	1	1	1
## 29	0	8.3778076	<NA>	<NA>	<NA>	<NA>
## 30	0	8.0998583	37526	2	2	0
## 33	1	8.8080301	27432.936	1	1	1
## 34	1	9.329277	42402.82	2	2	0
## 35	1	8.6782913	<NA>	<NA>	<NA>	<NA>
## 36	0	8.0789824	<NA>	<NA>	<NA>	<NA>
## 37	0	8.078023	54391.102	2	2	0
## 38	0	8.2854977	33242.273	2	2	0
## 39	0	7.9237123	<NA>	<NA>	<NA>	<NA>
## 40	0	8.2936525	40300.387	2	2	0
## 41	0	8.111989	25080.746	1	1	1
## 43	0	8.087574	<NA>	<NA>	<NA>	<NA>
## 44	0	8.3540611	28323.705	1	1	1
## 45	0	7.4747624	<NA>	<NA>	<NA>	<NA>
## 46	1	8.677269	62809	3	2	0
## 47	1	8.4806051	38345.641	2	2	0
## 48	1	8.5189915	7268	1	1	1
## 49	0	8.0904217	<NA>	<NA>	<NA>	<NA>
## 50	0	8.0093632	<NA>	<NA>	<NA>	<NA>
## 51	1	8.5484982	28128	1	1	1
## 52	1	9.2544613	84671.102	3	3	0
## 54	1	8.6268873	63812.234	3	3	0
## 55	0	8.361475	10842	1	1	1
## 56	0	8.3572588	408413	3	3	0
## 57	1	8.526228	<NA>	<NA>	<NA>	<NA>
## 58	0	8.1025867	18328	1	1	1
## 59	0	7.9571772	53406	2	2	0
## 60	<NA>	<NA>	20899	1	1	1
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## 65	<NA>	<NA>	33217.527	2	2	0
## 67	0	8.1831436	50269.742	2	2	0
## 68	0	7.4910874	6449	1	1	1
## 69	0	8.1428165	16168.405	1	1	1
## 70	1	8.8126945	<NA>	<NA>	<NA>	<NA>
## 71	0	8.4361601	20292.082	1	1	1
## 72	0	8.0899477	<NA>	<NA>	<NA>	<NA>
## 73	0	7.8972964	24746	1	1	1
## 74	0	8.1083221	<NA>	<NA>	<NA>	<NA>
## 75	0	8.00951	<NA>	<NA>	<NA>	<NA>
## 76	1	8.8363743	<NA>	<NA>	<NA>	<NA>
## 77	1	8.7514744	166025	3	3	0
## 79	1	8.5788527	34434	2	2	0
## 80	1	8.7164364	11815.849	1	1	1
## 81	0	8.2692442	74105	3	3	0
## 83	0	8.0637665	26437.777	1	1	1
## 87	1	8.4628019	<NA>	<NA>	<NA>	<NA>
## 88	0	8.2179518	<NA>	<NA>	<NA>	<NA>
## 89	1	8.5121803	7008	1	1	1
## 90	1	8.7528973	31889	2	2	0
## 91	0	7.3178763	31259	2	2	0
## 92	0	8.1209927	<NA>	<NA>	<NA>	<NA>
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## 97	1	8.45084	<NA>	<NA>	<NA>	<NA>
## 98	1	8.7478285	62713	3	2	0
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## 100	0	8.3995352	37339	2	2	0
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## 105	0	8.2866669	28774.504	1	1	1
## 107	<NA>	<NA>	36798	2	2	0
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## 109	1	8.9361277	89513.117	3	3	0
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## 118	0	8.0998583	59097	2	2	0
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## 121	0	8.1467094	58617	2	2	0
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## 123	0	7.9696722	15429.963	1	1	1
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## 127	0	8.1846542	47097.148	2	2	0
## 128	1	8.7361345	90206.711	3	3	0
## 129	0	8.4082708	47463	2	2	0
## 131	0	7.6490102	7656.6021	1	1	1

## 132	0	8.4446774	55863.348	2	2	0
## 134	<NA>	<NA>	22648	1	1	1
## 136	0	7.6149054	12762.292	1	1	1
## 137	1	9.2641068	117434.73	3	3	0
## 139	1	9.1084185	195692	3	3	0
## 140	0	8.1553307	24019.09	1	1	1
## 141	1	10.371646	48313	2	2	0
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## 148	1	9.0969257	45955.078	2	2	0
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## 150	1	8.8463659	61933.266	2	2	0
## 151	0	8.1446791	120814	3	3	0
## 154	0	8.3243132	61102.035	2	2	0
## 155	0	7.9276242	70527.805	3	3	0
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## 157	1	9.1712875	35383	2	2	0
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## 161	0	8.1315308	71228	3	3	0
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## 163	0	7.9926682	37243.004	2	2	0
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## 169	1	8.6805019	75019	3	3	0
## 170	0	7.8430638	100229	3	3	0
## 171	0	8.4465046	40477.457	2	2	0
## 172	0	8.2424936	13191	1	1	1
## 174	1	10.618176	72083	3	3	0
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## 179	0	8.1071177	<NA>	<NA>	<NA>	<NA>
## 180	0	8.3836575	74983.203	3	3	0
## 181	0	8.0802374	75946	3	3	0
## 183	1	9.9282293	155157	3	3	0
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## 188	<NA>	<NA>	78827.742	3	3	0
## 190	1	8.4757462	74066	3	3	0
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## 194	0	8.191103	26321.02	1	1	1
## 195	0	7.372807	48817.602	2	2	0
## 196	1	10.359636	49604.758	2	2	0
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## 199	<NA>	<NA>	21613.547	1	1	1
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## 205	0	7.5227165	20892.115	1	1	1
## 206	0	8.255414	108571.88	3	3	0
## 209	0	7.7738914	20524.828	1	1	1
## 210	1	9.1583958	121889.36	3	3	0
## 211	1	8.6590691	27134.465	1	1	1
## 212	<NA>	<NA>	49956	2	2	0
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## 215	0	8.3387842	18711	1	1	1
## 216	0	8.1321917	36459.715	2	2	0
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## 218	0	8.1010294	<NA>	<NA>	<NA>	<NA>
## 220	0	8.4307632	90076	3	3	0
## 222	0	8.1955929	39057.793	2	2	0
## 223	0	8.0398026	2956	1	1	1
## 224	0	8.4089394	<NA>	<NA>	<NA>	<NA>
## 225	0	8.3417892	48875.598	2	2	0
## 226	1	8.4950972	40847.066	2	2	0
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## 230	0	8.1527739	43397	2	2	0
## 231	0	8.2942333	60140.898	2	2	0
## 232	1	9.2164221	65838	3	3	0
## 233	0	8.2887859	29839	1	1	1
## 234	0	8.0120182	31923	2	2	0
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## 238	1	9.0179682	17525	1	1	1
## 239	0	8.0136738	<NA>	<NA>	<NA>	<NA>
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## 5	0	1	11.121471	64805.84	3	3
## 6	0	0	9.4050751	5377.0967	1	1
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## 8	0	0	7.7059436	<NA>	<NA>	<NA>
## 10	<NA>	<NA>	<NA>	<NA>	<NA>	<NA>
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## 13	0	0	10.066371	<NA>	<NA>	<NA>
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## 17	0	0	9.3692226	<NA>	<NA>	<NA>
## 18	0	0	10.249273	26320	1	1
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## 20	0	1	11.180645	69100.406	3	3
## 21	0	1	11.389311	83989	3	3
## 23	1	0	10.674914	38353	2	2
## 25	1	0	10.527821	23430	1	1
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## 30	1	0	10.532789	34232	2	2
## 33	0	0	10.2195	20745.201	1	1
## 34	1	0	10.65497	31139.836	2	2
## 35	<NA>	<NA>	<NA>	<NA>	<NA>	<NA>
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## 38	1	0	10.411577	29276.336	2	2
## 39	<NA>	<NA>	<NA>	<NA>	<NA>	<NA>
## 40	1	0	10.604116	36301.973	2	2
## 41	0	0	10.129856	21746.545	1	1
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## 44	0	0	10.251454	24076.309	1	1
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## 46	1	0	11.047853	56941	2	2
## 47	1	0	10.554396	33525.273	2	2
## 48	0	0	8.8912363	2259	1	1
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## 52	0	1	11.34653	74220.016	3	3
## 54	0	1	11.063701	58232.551	3	2
## 55	0	0	9.2911825	6563	1	1
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## 58	0	0	9.816185	15025	1	1
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## 60	0	0	9.9474564	<NA>	<NA>	<NA>
## 62	0	0	9.5223732	10821	1	1
## 65	1	0	10.410833	<NA>	<NA>	<NA>
## 67	1	0	10.825159	46689.652	2	2
## 68	0	0	8.7716808	4657	1	1
## 69	0	0	9.690814	12729.816	1	1
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## 73	0	0	10.116419	22056	1	1
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## 77	0	1	12.019894	159705	3	3
## 79	1	0	10.446799	29116	2	2
## 80	0	0	9.3771973	5713.4551	1	1
## 81	0	1	11.213239	70203	3	3
## 83	0	0	10.182549	23260.543	1	1
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## 91	1	0	10.350062	29752	2	2
## 92	<NA>	<NA>	<NA>	<NA>	<NA>	<NA>
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## 98	1	0	11.046324	56416	2
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## 101	<NA>	<NA>	<NA>	<NA>	<NA>
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## 120	0	1	12.172795	189071	3
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## 129	1	0	10.767706	42979	2
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## 132	1	0	10.930664	51213.094	2
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## 137	0	1	11.673638	106882.36	3
## 139	0	1	12.184298	186661	3
## 140	0	0	10.086604	20537.199	1
## 141	1	0	10.785456	16372	1
## 142	1	0	10.461931	24577	1
## 144	1	0	10.440974	31473	2
## 146	1	0	10.752548	<NA>	<NA>
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## 151	0	1	11.702007	117369	3
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## 155	0	1	11.163762	67754.977	3
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## 159	1	0	10.917764	50453.773	2
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## 169	0	1	11.225496	69132	3	3
## 170	0	1	11.515213	97681	3	3
## 171	1	0	10.6085	35818.699	2	2
## 172	0	0	9.4872904	9392	1	1
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## 181	0	1	11.237778	72716	3	3
## 183	0	1	11.952193	134656	3	3
## 184	0	1	12.355724	222898	3	3
## 185	0	1	11.374598	80374.219	3	3
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## 194	0	0	10.178123	22712.318	1	1
## 195	1	0	10.795846	47225.504	2	2
## 196	1	0	10.811842	18045.053	1	1
## 198	0	0	9.4370775	5938	1	1
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## 204	0	0	9.5142899	11114	1	1
## 205	0	0	9.9471273	19042.529	1	1
## 206	0	1	11.595168	104723.48	3	3
## 209	0	0	9.9293909	18147.121	1	1
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## 211	0	0	10.20856	21372.297	1	1
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## 217	0	0	8.5863457	3228	1	1
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## 222	1	0	10.572798	35432.852	2	2
## 223	0	0	7.9915924	-146	1	1
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## 225	1	0	10.797033	44680.008	2	2
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## 228	0	1	11.07781	57446	2	2
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## 232	0	1	11.094953	55777	2	2
## 233	0	0	10.303572	25860	1	1
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## 236	0	0	9.7250185	12568	1	1
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## 239	<NA>	<NA>	<NA>	<NA>	<NA>	<NA>
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## 1	<NA>	<NA>	<NA>	<NA>		
## 2	0	1	0	10.786965		
## 3	0	0	1	11.610134		
## 4	<NA>	<NA>	<NA>	<NA>		
## 5	0	0	1	11.079151		
## 6	1	0	0	8.5899038		
## 7	0	1	0	10.836675		
## 8	<NA>	<NA>	<NA>	<NA>		
## 10	<NA>	<NA>	<NA>	<NA>		
## 11	<NA>	<NA>	<NA>	<NA>		
## 12	0	0	1	11.244129		
## 13	<NA>	<NA>	<NA>	<NA>		
## 14	<NA>	<NA>	<NA>	<NA>		
## 16	0	1	0	10.649179		
## 17	<NA>	<NA>	<NA>	<NA>		
## 18	1	0	0	10.178084		
## 19	<NA>	<NA>	<NA>	<NA>		
## 20	0	0	1	11.143316		
## 21	0	0	1	11.338441		
## 23	0	1	0	10.554588		
## 25	1	0	0	10.061772		
## 26	<NA>	<NA>	<NA>	<NA>		
## 27	<NA>	<NA>	<NA>	<NA>		
## 28	1	0	0	9.8188553		
## 29	<NA>	<NA>	<NA>	<NA>		
## 30	0	1	0	10.440916		
## 33	1	0	0	9.9400702		
## 34	0	1	0	10.346243		
## 35	<NA>	<NA>	<NA>	<NA>		
## 36	<NA>	<NA>	<NA>	<NA>		
## 37	0	1	0	10.842875		
## 38	0	1	0	10.284534		
## 39	<NA>	<NA>	<NA>	<NA>		
## 40	0	1	0	10.499627		
## 41	1	0	0	9.9872103		
## 43	<NA>	<NA>	<NA>	<NA>		
## 44	1	0	0	10.088984		
## 45	<NA>	<NA>	<NA>	<NA>		
## 46	0	1	0	10.949771		
## 47	0	1	0	10.420054		
## 48	1	0	0	7.7226777		
## 49	<NA>	<NA>	<NA>	<NA>		
## 50	<NA>	<NA>	<NA>	<NA>		
## 51	1	0	0	10.041901		
## 52	0	0	1	11.214789		
## 54	0	1	0	10.972199		
## 55	1	0	0	8.7892027		

## 56	0	0	1	12.909546
## 57	<NA>	<NA>	<NA>	<NA>
## 58	1	0	0	9.6174707
## 59	0	1	0	10.830718
## 60	<NA>	<NA>	<NA>	<NA>
## 62	1	0	0	9.2892437
## 65	<NA>	<NA>	<NA>	<NA>
## 67	0	1	0	10.751278
## 68	1	0	0	8.4461269
## 69	1	0	0	9.4517021
## 70	<NA>	<NA>	<NA>	<NA>
## 71	1	0	0	9.6602221
## 72	<NA>	<NA>	<NA>	<NA>
## 73	1	0	0	10.00134
## 74	<NA>	<NA>	<NA>	<NA>
## 75	<NA>	<NA>	<NA>	<NA>
## 76	<NA>	<NA>	<NA>	<NA>
## 77	0	0	1	11.981084
## 79	0	1	0	10.279043
## 80	1	0	0	8.6505795
## 81	0	0	1	11.159146
## 83	1	0	0	10.054514
## 87	<NA>	<NA>	<NA>	<NA>
## 88	<NA>	<NA>	<NA>	<NA>
## 89	1	0	0	7.6172676
## 90	1	0	0	10.148784
## 91	0	1	0	10.300652
## 92	<NA>	<NA>	<NA>	<NA>
## 93	<NA>	<NA>	<NA>	<NA>
## 94	1	0	0	9.622283
## 95	<NA>	<NA>	<NA>	<NA>
## 96	1	0	0	9.5557013
## 97	<NA>	<NA>	<NA>	<NA>
## 98	0	1	0	10.940508
## 99	0	0	1	11.800102
## 100	0	1	0	10.401046
## 101	<NA>	<NA>	<NA>	<NA>
## 102	<NA>	<NA>	<NA>	<NA>
## 103	<NA>	<NA>	<NA>	<NA>
## 105	1	0	0	10.118757
## 107	<NA>	<NA>	<NA>	<NA>
## 108	0	0	1	11.345098
## 109	0	0	1	11.313394
## 110	<NA>	<NA>	<NA>	<NA>
## 112	<NA>	<NA>	<NA>	<NA>
## 113	1	0	0	9.8164835
## 116	<NA>	<NA>	<NA>	<NA>
## 118	0	1	0	10.929583
## 119	0	0	1	11.609634
## 120	0	0	1	12.149878
## 121	0	1	0	10.918084
## 122	<NA>	<NA>	<NA>	<NA>
## 123	1	0	0	9.4365234
## 124	<NA>	<NA>	<NA>	<NA>

## 125	0	1	0	10.619991
## 126	<NA>	<NA>	<NA>	<NA>
## 127	0	1	0	10.680784
## 128	0	0	1	11.338368
## 129	0	1	0	10.668467
## 131	1	0	0	8.6230001
## 132	0	1	0	10.843751
## 134	<NA>	<NA>	<NA>	<NA>
## 136	1	0	0	9.2811794
## 137	0	0	1	11.579484
## 139	0	0	1	12.13705
## 140	1	0	0	9.9299927
## 141	1	0	0	9.7033281
## 142	1	0	0	10.109567
## 144	0	1	0	10.356885
## 146	<NA>	<NA>	<NA>	<NA>
## 147	<NA>	<NA>	<NA>	<NA>
## 148	0	1	0	10.51941
## 149	<NA>	<NA>	<NA>	<NA>
## 150	0	1	0	10.914801
## 151	0	0	1	11.673079
## 154	0	1	0	10.95044
## 155	0	0	1	11.123653
## 156	<NA>	<NA>	<NA>	<NA>
## 157	1	0	0	10.156811
## 158	0	0	1	11.050687
## 159	0	1	0	10.828813
## 160	<NA>	<NA>	<NA>	<NA>
## 161	0	0	1	11.12473
## 162	<NA>	<NA>	<NA>	<NA>
## 163	0	1	0	10.442429
## 164	<NA>	<NA>	<NA>	<NA>
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## 167	0	1	0	10.693308
## 168	1	0	0	10.151207
## 169	0	0	1	11.143773
## 170	0	0	1	11.489462
## 171	0	1	0	10.486225
## 172	1	0	0	9.1476135
## 174	0	1	0	10.348557
## 175	<NA>	<NA>	<NA>	<NA>
## 176	<NA>	<NA>	<NA>	<NA>
## 177	1	0	0	7.5454497
## 179	<NA>	<NA>	<NA>	<NA>
## 180	0	0	1	11.164902
## 181	0	0	1	11.194317
## 183	0	0	1	11.810478
## 184	0	0	1	12.314469
## 185	0	0	1	11.294449
## 186	<NA>	<NA>	<NA>	<NA>
## 188	<NA>	<NA>	<NA>	<NA>
## 190	0	0	1	11.145753
## 193	0	0	1	11.076929
## 194	1	0	0	10.030663

## 195	0	1	0	10.76269				
## 196	1	0	0	9.8006268				
## 198	1	0	0	8.6891279				
## 199	<NA>	<NA>	<NA>	<NA>				
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## 204	1	0	0	9.3159609				
## 205	1	0	0	9.8544302				
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## 209	1	0	0	9.8062668				
## 210	0	0	1	11.62978				
## 211	1	0	0	9.9698505				
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## 215	1	0	0	9.5838327				
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## 218	<NA>	<NA>	<NA>	<NA>				
## 220	0	0	1	11.356154				
## 222	0	1	0	10.475394				
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## 224	<NA>	<NA>	<NA>	<NA>				
## 225	0	1	0	10.707281				
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## 227	0	1	0	10.779352				
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## 230	0	1	0	10.594733				
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## 232	0	1	0	10.929117				
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## 236	1	0	0	9.4389095				
## 238	1	0	0	9.1350775				
## 239	<NA>	<NA>	<NA>	<NA>				
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## 1	1	0	0	0	0	0	0	0
## 2	1	0	0	0	0	0	0	0
## 3	0	0	0	0	0	0	0	0
## 4	0	0	0	0	0	0	0	0
## 5	0	0	0	0	0	0	0	0
## 6	0	0	0	0	0	0	0	0
## 7	1	0	0	0	0	0	0	0
## 8	0	0	0	0	0	0	0	0
## 10	0	0	0	0	0	0	0	0
## 11	0	0	0	0	0	0	0	0
## 12	0	0	0	0	0	0	0	0
## 13	0	0	0	0	0	0	0	0
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## 16	0	1	0	0	0	0	0	0
## 17	0	0	0	0	0	0	0	0
## 18	0	0	0	0	0	0	0	0
## 19	0	0	0	0	0	0	0	0

## 20	0	0	0	0	0	0	0	0
## 21	0	1	0	1	0	0	0	1
## 23	0	0	0	0	0	0	0	0
## 25	0	1	0	0	0	0	0	0
## 26	0	0	0	0	0	0	0	0
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## 28	0	0	0	0	0	0	0	0
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## 36	0	0	0	0	0	0	0	0
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## 38	0	0	0	0	0	0	0	0
## 39	0	0	0	0	0	0	0	0
## 40	0	1	0	0	0	0	0	0
## 41	0	0	0	0	0	0	0	0
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## 50	1	0	0	0	0	0	0	0
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## 55	0	0	0	0	0	0	0	0
## 56	0	1	0	0	0	0	0	0
## 57	1	0	0	0	0	0	0	0
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## 65	0	0	0	0	0	0	0	0
## 67	0	0	0	0	0	0	0	0
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## 71	0	0	0	0	0	0	0	0
## 72	0	0	0	0	0	0	0	0
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## 77	1	1	0	0	0	0	0	0
## 79	0	1	0	0	0	0	0	0
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## 87	0	0	0	0	0	0	0	0
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## 89	0	0	0	0	0	0	0	0
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## 91	0	0	0	0	0	0	0	0
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## 93	0	1	0	0	0	0	0	0
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## 112	0	0	0	0	0	0	0	0
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## 118	0	0	0	0	0	0	0	0
## 119	0	0	1	0	0	0	0	0
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## 141	0	0	0	0	0	0	0	0
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## 151	0	0	0	0	0	0	0	0
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## 157	0	0	0	0	0	0	0	0
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## 159	1	0	0	0	0	0	0	0
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## 161	0	0	0	0	0	0	0	0
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## 164	0	0	0	0	0	0	0	0
## 166	0	1	1	1	0	0	0	0
## 167	0	0	0	0	0	0	0	0
## 168	0	0	0	0	0	0	0	0
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## 181	0	0	0	1	0	0	0	0
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## 186	0	0	0	0	0	0	0	0
## 188	0	1	0	0	0	0	0	0
## 190	0	0	0	0	1	0	0	0
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## 214	1	0	0	0	0	0	0	0
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## 218	0	0	0	0	0	0	0	0
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## 222	0	0	0	0	0	0	0	0
## 223	0	0	0	0	0	0	0	0
## 224	0	1	0	0	0	0	0	0
## 225	0	0	0	0	0	0	0	0

## 226		0	0	0	0	0	0	0	0
## 227		0	0	0	0	0	0	0	0
## 228		0	0	0	0	0	0	0	0
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## 233		0	0	0	0	0	0	0	0
## 234		0	0	0	0	0	0	0	0
## 236		0	0	0	0	0	0	0	0
## 238		0	0	0	0	0	0	0	0
## 239		0	0	0	0	0	0	0	0
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## 2	1	0	0	1	0	0	0		
## 3	0	0	0	0	0	0	0		
## 4	0	0	0	1	0	0	0		
## 5	1	0	2	0	0	0	0		
## 6	0	0	0	0	0	0	0		
## 7	1	0	1	0	0	0	0		
## 8	0	0	0	0	0	0	0		
## 10	1	0	0	1	0	0	0		
## 11	1	1	0	1	0	1	0		
## 12	1	0	0	0	0	0	0		
## 13	1	0	1	0	0	0	0		
## 14	0	0	1	0	0	0	0		
## 16	1	0	1	0	0	0	0		
## 17	0	0	0	0	NA	0	0		
## 18	0	0	1	1	0	0	0		
## 19	1	0	0	1	0	0	0		
## 20	0	0	0	0	0	0	0		
## 21	0	0	1	0	0	0	1		
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## 26	0	0	1	1	0	0	0		
## 27	1	0	0	0	NA	0	0		
## 28	1	0	1	0	0	0	0		
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## 35	0	0	0	0	0	0	0		
## 36	0	0	1	1	0	0	0		
## 37	0	0	0	0	0	0	0		
## 38	0	0	0	0	0	0	0		
## 39	0	0	0	0	0	0	0		
## 40	0	0	1	0	0	0	0		
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## 43	1	0	1	1	0	0	0		
## 44	1	0	0	0	0	0	0		
## 45	0	0	0	1	0	0	0		
## 46	0	0	0	0	0	0	1		
## 47	0	0	1	1	0	0	0		
## 48	0	0	0	0	0	0	0		

## 49	1	0	0	0	NA	0	0
## 50	1	0	1	0	0	0	0
## 51	1	0	3	1	1	0	0
## 52	0	0	0	1	0	0	0
## 54	0	0	1	0	1	0	0
## 55	0	0	1	1	0	0	1
## 56	0	0	1	0	0	0	0
## 57	0	0	1	1	0	0	0
## 58	0	0	0	1	0	0	0
## 59	0	0	0	1	0	0	0
## 60	0	0	0	0	0	0	0
## 62	0	0	0	0	0	0	0
## 65	0	0	0	0	0	0	0
## 67	0	0	1	1	0	0	1
## 68	0	0	0	0	0	0	0
## 69	0	0	0	0	0	0	0
## 70	0	0	0	1	0	0	0
## 71	0	0	0	0	0	0	1
## 72	0	0	1	0	0	0	0
## 73	0	0	0	0	0	0	0
## 74	0	0	1	0	0	0	0
## 75	1	0	1	1	0	0	1
## 76	1	0	2	0	0	0	0
## 77	0	0	0	1	0	0	0
## 79	0	0	0	1	0	0	0
## 80	0	0	0	0	0	0	0
## 81	0	0	0	0	0	0	0
## 83	0	0	0	1	0	0	0
## 87	0	0	0	1	0	0	0
## 88	1	0	0	0	0	0	0
## 89	0	0	0	1	0	0	0
## 90	0	0	0	0	0	0	0
## 91	0	0	1	0	0	0	0
## 92	1	0	1	0	0	0	0
## 93	0	0	1	0	0	0	1
## 94	1	0	2	0	0	0	0
## 95	0	0	0	1	0	0	0
## 96	0	0	1	1	0	0	0
## 97	0	0	0	1	0	0	0
## 98	0	0	1	0	0	0	0
## 99	0	0	0	1	0	0	0
## 100	0	0	0	0	0	0	0
## 101	0	0	1	0	0	0	0
## 102	1	0	0	1	0	0	0
## 103	1	0	0	1	0	0	0
## 105	0	0	0	0	0	0	0
## 107	0	0	1	1	0	0	0
## 108	1	0	1	1	0	0	0
## 109	1	0	0	0	0	0	0
## 110	0	0	1	0	0	0	0
## 112	0	0	0	0	0	0	0
## 113	0	0	0	1	0	0	0
## 116	0	0	0	0	0	0	0
## 118	0	0	0	0	0	0	0

## 119	0	0	1	0	0	0	0
## 120	0	0	1	0	0	0	0
## 121	1	0	2	0	0	0	0
## 122	1	0	0	0	0	0	0
## 123	1	0	0	0	0	0	0
## 124	1	0	1	0	0	1	0
## 125	0	0	0	0	0	0	0
## 126	0	0	0	0	0	0	0
## 127	0	0	0	0	0	0	0
## 128	0	0	1	1	0	0	0
## 129	1	0	0	0	0	0	0
## 131	0	0	0	0	NA	0	0
## 132	1	0	0	1	0	0	0
## 134	1	0	0	1	0	0	0
## 136	0	0	0	0	0	0	0
## 137	0	0	1	0	0	0	0
## 139	0	1	0	1	NA	1	0
## 140	0	0	0	0	0	0	0
## 141	0	0	0	1	0	0	0
## 142	0	0	0	0	0	0	0
## 144	0	0	1	0	0	0	0
## 146	0	0	0	1	0	1	0
## 147	0	0	1	0	0	0	0
## 148	0	0	0	1	0	0	0
## 149	0	0	2	0	0	0	0
## 150	1	0	0	0	0	0	1
## 151	0	0	1	1	0	0	0
## 154	0	0	0	0	0	0	0
## 155	0	0	0	1	0	0	0
## 156	0	0	1	0	0	0	0
## 157	0	0	0	1	0	0	0
## 158	1	0	0	1	0	0	0
## 159	0	0	1	0	0	0	0
## 160	0	0	1	0	0	0	0
## 161	0	0	1	1	0	0	0
## 162	0	0	1	1	0	0	0
## 163	1	0	0	1	0	0	0
## 164	0	0	0	1	0	0	1
## 166	0	0	0	0	0	0	0
## 167	0	0	0	0	0	0	0
## 168	0	0	0	0	0	0	0
## 169	0	0	0	0	0	0	0
## 170	0	0	2	1	0	0	0
## 171	0	0	0	1	0	0	0
## 172	0	0	0	0	0	0	0
## 174	1	0	2	1	0	1	0
## 175	0	0	0	0	0	0	0
## 176	0	0	1	1	0	0	0
## 177	1	0	1	0	0	0	NA
## 179	0	0	0	1	0	0	0
## 180	0	0	0	1	0	0	0
## 181	0	0	0	0	0	0	0
## 183	0	0	1	0	0	0	1
## 184	1	0	1	0	0	0	0

## 185	0	0	1	0	0	0	0
## 186	0	0	0	1	0	0	0
## 188	0	0	0	0	0	0	1
## 190	0	0	0	1	0	1	0
## 193	0	0	0	1	0	0	0
## 194	0	0	1	0	0	0	1
## 195	1	0	1	0	0	0	0
## 196	0	0	0	0	1	0	0
## 198	0	0	0	0	0	0	0
## 199	0	0	0	0	0	0	0
## 200	0	0	1	1	0	0	0
## 202	1	0	0	0	0	0	0
## 203	1	0	1	0	0	0	0
## 204	0	0	0	0	0	0	0
## 205	0	0	0	0	0	0	0
## 206	0	0	0	0	0	0	0
## 209	0	0	0	1	0	0	0
## 210	1	0	1	0	0	0	0
## 211	0	0	0	0	0	0	0
## 212	1	0	1	0	0	0	0
## 214	1	0	1	0	0	0	0
## 215	1	0	0	1	0	0	0
## 216	0	0	0	0	0	0	1
## 217	0	0	0	0	0	0	0
## 218	0	0	1	0	0	0	0
## 220	0	0	1	1	0	0	1
## 222	1	0	0	0	0	0	0
## 223	0	0	0	0	0	0	0
## 224	0	0	1	0	0	0	0
## 225	0	0	1	0	0	0	0
## 226	0	0	0	0	0	0	0
## 227	1	0	0	0	0	0	0
## 228	1	0	3	1	0	0	0
## 229	0	0	0	0	0	0	0
## 230	0	0	0	0	0	0	0
## 231	0	0	0	0	0	0	0
## 232	1	0	1	1	0	0	0
## 233	0	0	1	0	0	0	0
## 234	0	0	0	0	0	0	0
## 236	0	0	1	0	0	0	0
## 238	0	0	1	0	0	0	0
## 239	0	0	0	0	0	0	1
##	hyperyn_2.1	ef50_neg.1	ef50_neg_d.1	priormi_21.1	priormi_22.1	priormi_23.1	
## 1	1	0	1	0	0	0	0
## 2	0	13	3	1	1	1	1
## 3	1	0	1	0	0	0	0
## 4	0	NA	NA	0	0	0	0
## 5	1	0	1	1	1	1	1
## 6	1	0	1	0	0	0	0
## 7	1	10	2	0	0	0	0
## 8	0	0	1	0	0	0	0
## 10	0	0	1	0	0	0	0
## 11	0	NA	NA	0	0	0	0
## 12	1	0	1	0	0	0	0

## 13	1	0	1	0	0	0
## 14	0	0	1	0	0	0
## 16	1	0	1	1	1	1
## 17	0	0	1	1	1	1
## 18	1	0	1	0	0	0
## 19	1	0	1	1	1	1
## 20	1	0	1	0	0	0
## 21	1	10	2	1	1	1
## 23	1	0	1	1	1	0
## 25	1	25	4	1	1	1
## 26	1	3	2	0	0	0
## 27	1	0	1	0	0	0
## 28	0	0	1	0	0	0
## 29	1	2	2	0	0	0
## 30	1	0	1	0	0	0
## 33	1	0	1	1	1	0
## 34	1	0	1	0	0	0
## 35	1	0	1	0	0	0
## 36	0	0	1	1	1	1
## 37	0	0	1	0	0	0
## 38	1	0	1	0	0	0
## 39	1	0	1	0	0	0
## 40	1	0	1	0	0	0
## 41	1	0	1	0	0	0
## 43	1	0	1	0	0	0
## 44	1	0	1	0	0	0
## 45	1	0	1	0	0	0
## 46	1	0	1	0	0	0
## 47	1	0	1	1	1	0
## 48	1	0	1	0	0	0
## 49	1	0	1	1	1	1
## 50	1	11	3	0	0	0
## 51	1	5	2	1	1	1
## 52	1	0	1	1	1	1
## 54	1	0	1	1	1	1
## 55	1	0	1	0	0	0
## 56	1	10	2	1	1	1
## 57	1	NA	NA	0	0	0
## 58	1	0	1	1	1	1
## 59	1	0	1	1	1	1
## 60	1	0	1	0	0	0
## 62	1	0	1	1	1	1
## 65	1	0	1	1	1	0
## 67	1	0	1	1	1	0
## 68	1	0	1	1	1	0
## 69	0	0	1	1	1	0
## 70	1	0	1	0	0	0
## 71	0	6	2	1	1	0
## 72	0	0	1	0	0	0
## 73	1	0	1	0	0	0
## 74	1	0	1	0	0	0
## 75	1	0	1	1	1	1
## 76	1	0	1	0	0	0
## 77	1	NA	NA	0	0	0

## 79	1	0	1	1	1	0
## 80	0	0	1	0	0	0
## 81	0	0	1	1	1	1
## 83	1	0	1	0	0	0
## 87	0	5	2	1	1	1
## 88	1	0	1	0	0	0
## 89	0	5	2	0	0	0
## 90	1	0	1	0	0	0
## 91	1	20	3	0	0	0
## 92	1	0	1	1	1	1
## 93	1	15	3	1	1	1
## 94	1	NA	NA	1	1	0
## 95	0	0	1	0	0	0
## 96	1	0	1	0	0	0
## 97	1	0	1	0	0	0
## 98	0	0	1	0	0	0
## 99	0	0	1	0	0	0
## 100	1	0	1	1	1	1
## 101	1	0	1	0	0	0
## 102	1	0	1	1	1	1
## 103	1	0	1	0	0	0
## 105	1	0	1	1	1	1
## 107	1	0	1	0	0	0
## 108	0	0	1	0	0	0
## 109	0	0	1	0	0	0
## 110	1	NA	NA	0	0	0
## 112	1	0	1	0	0	0
## 113	1	5	2	1	1	1
## 116	1	0	1	1	1	0
## 118	1	0	1	1	1	1
## 119	0	0	1	0	0	0
## 120	1	0	1	1	1	1
## 121	1	0	1	0	0	0
## 122	0	0	1	0	0	0
## 123	0	0	1	0	0	0
## 124	0	0	1	1	1	0
## 125	1	0	1	0	0	0
## 126	1	0	1	0	0	0
## 127	0	0	1	0	0	0
## 128	1	0	1	0	0	0
## 129	1	0	1	0	0	0
## 131	1	NA	NA	0	0	0
## 132	1	15	3	1	1	1
## 134	1	0	1	0	0	0
## 136	1	0	1	0	0	0
## 137	1	0	1	1	1	0
## 139	1	0	1	0	0	0
## 140	1	10	2	0	0	0
## 141	0	0	1	0	0	0
## 142	1	12	3	0	0	0
## 144	1	18	3	1	1	0
## 146	0	0	1	1	1	0
## 147	1	0	1	1	1	0
## 148	1	0	1	1	1	0

## 149	0	4	2	1	1	0
## 150	1	0	1	0	0	0
## 151	1	0	1	0	0	0
## 154	1	0	1	0	0	0
## 155	1	0	1	0	0	0
## 156	0	0	1	1	1	0
## 157	1	10	2	1	1	1
## 158	1	0	1	1	1	0
## 159	1	0	1	1	1	1
## 160	1	0	1	1	1	1
## 161	1	15	3	0	0	0
## 162	1	0	1	1	1	1
## 163	1	0	1	0	0	0
## 164	1	0	1	0	0	0
## 166	1	0	1	1	1	0
## 167	1	0	1	0	0	0
## 168	1	0	1	1	1	0
## 169	0	26	4	1	1	0
## 170	1	5	2	0	0	0
## 171	1	0	1	0	0	0
## 172	0	0	1	0	0	0
## 174	NA	3	2	1	0	0
## 175	1	5	2	1	1	1
## 176	1	0	1	0	0	0
## 177	1	0	1	1	1	1
## 179	1	0	1	0	0	0
## 180	1	0	1	1	1	1
## 181	0	5	2	1	1	0
## 183	1	8	2	1	1	1
## 184	1	0	1	0	0	0
## 185	1	0	1	0	0	0
## 186	1	0	1	0	0	0
## 188	1	0	1	1	1	1
## 190	1	NA	NA	0	0	0
## 193	1	5	2	0	0	0
## 194	1	0	1	1	1	1
## 195	1	5	2	1	1	0
## 196	1	15	3	1	1	1
## 198	1	0	1	1	1	1
## 199	1	5	2	0	0	0
## 200	1	0	1	0	0	0
## 202	1	5	2	0	0	0
## 203	1	10	2	1	1	0
## 204	1	0	1	1	1	1
## 205	1	0	1	0	0	0
## 206	1	0	1	1	1	1
## 209	1	0	1	1	1	1
## 210	0	0	1	0	0	0
## 211	1	20	3	1	1	1
## 212	1	0	1	0	0	0
## 214	1	0	1	1	1	1
## 215	0	0	1	0	0	0
## 216	0	0	1	1	1	0
## 217	0	0	1	0	0	0

## 218	0	10	2	1	1	0
## 220	1	11	3	1	1	1
## 222	1	0	1	1	1	1
## 223	1	0	1	1	1	0
## 224	0	3	2	0	0	0
## 225	1	0	1	0	0	0
## 226	1	20	3	0	0	0
## 227	1	0	1	0	0	0
## 228	1	5	2	1	1	1
## 229	1	0	1	0	0	0
## 230	0	0	1	0	0	0
## 231	1	0	1	0	0	0
## 232	1	0	1	1	1	1
## 233	1	0	1	0	0	0
## 234	1	10	2	1	1	1
## 236	1	11	3	1	1	0
## 238	0	0	1	0	0	0
## 239	1	0	1	0	0	0
##	priormi_24.1	age_d.1	ua_nmi7.1	creatpre_2.1	rf_1.1	rf_2.1
## 1	0	8	1	1.50	0 0.500000000	0.0000000
## 2	1	7	1	1.20	0 0.200000050	0.0000000
## 3	0	7	0	1.20	0 0.200000050	0.0000000
## 4	0	8	0	0.90	0 0.000000000	0.0000000
## 5	1	8	1	1.10	0 0.100000020	0.0000000
## 6	0	7	1	0.90	0 0.000000000	0.0000000
## 7	0	7	1	0.80	0 0.000000000	0.0000000
## 8	0	6	1	1.20	0 0.200000050	0.0000000
## 10	0	8	0	1.10	0 0.100000020	0.0000000
## 11	0	3	0	1.00	0 0.000000000	0.0000000
## 12	0	8	1	1.10	0 0.100000020	0.0000000
## 13	0	7	0	1.40	0 0.399999980	0.0000000
## 14	0	6	1	1.00	0 0.000000000	0.0000000
## 16	1	8	0	1.50	0 0.500000000	0.0000000
## 17	0	7	0	NA	0	NA
## 18	0	6	1	1.10	0 0.100000020	0.0000000
## 19	1	7	0	1.20	0 0.200000050	0.0000000
## 20	0	8	1	1.10	0 0.100000020	0.0000000
## 21	0	8	1	0.80	0 0.000000000	0.0000000
## 23	0	8	0	1.00	0 0.000000000	0.0000000
## 25	0	6	1	2.40	0 1.400000100	0.9000001
## 26	0	8	0	1.70	0 0.700000050	0.2000001
## 27	0	7	0	NA	0	NA
## 28	0	8	0	1.10	0 0.100000020	0.0000000
## 29	0	6	0	0.80	0 0.000000000	0.0000000
## 30	0	8	1	1.00	0 0.000000000	0.0000000
## 33	0	9	0	1.20	0 0.200000050	0.0000000
## 34	0	7	0	0.90	0 0.000000000	0.0000000
## 35	0	8	0	0.70	0 0.000000000	0.0000000
## 36	1	7	1	0.90	0 0.000000000	0.0000000
## 37	0	7	1	0.80	0 0.000000000	0.0000000
## 38	0	7	1	1.00	0 0.000000000	0.0000000
## 39	0	8	1	0.90	0 0.000000000	0.0000000
## 40	0	8	0	1.90	0 0.899999980	0.4000000
## 41	0	7	0	1.00	0 0.000000000	0.0000000

## 43	0	7	0	1.20	0 0.200000050	0.0000000
## 44	0	8	0	1.16	0 0.159999970	0.0000000
## 45	0	6	0	0.90	0 0.000000000	0.0000000
## 46	0	8	1	1.00	0 0.000000000	0.0000000
## 47	0	8	0	0.80	0 0.000000000	0.0000000
## 48	0	7	1	1.10	0 0.100000020	0.0000000
## 49	1	9	0	NA	0	NA NA
## 50	0	6	0	1.50	0 0.500000000	0.0000000
## 51	0	8	1	2.00	0 1.000000000	0.5000000
## 52	1	7	1	1.00	0 0.000000000	0.0000000
## 54	1	8	1	2.50	0 1.500000000	1.0000000
## 55	0	7	0	0.80	0 0.000000000	0.0000000
## 56	1	9	1	1.20	0 0.200000050	0.0000000
## 57	0	8	1	1.30	0 0.299999950	0.0000000
## 58	1	7	0	0.90	0 0.000000000	0.0000000
## 59	1	7	0	0.80	0 0.000000000	0.0000000
## 60	0	6	0	1.03	0 0.029999971	0.0000000
## 62	1	7	0	1.50	0 0.500000000	0.0000000
## 65	0	6	0	1.00	0 0.000000000	0.0000000
## 67	0	7	0	0.90	0 0.000000000	0.0000000
## 68	0	8	0	1.10	0 0.100000020	0.0000000
## 69	0	6	0	1.00	0 0.000000000	0.0000000
## 70	0	7	0	1.00	0 0.000000000	0.0000000
## 71	0	5	0	0.90	0 0.000000000	0.0000000
## 72	0	8	0	1.00	0 0.000000000	0.0000000
## 73	0	7	0	1.00	0 0.000000000	0.0000000
## 74	0	8	0	1.30	0 0.299999950	0.0000000
## 75	1	6	1	0.90	0 0.000000000	0.0000000
## 76	0	8	1	0.70	0 0.000000000	0.0000000
## 77	0	9	1	1.60	0 0.600000020	0.1000000
## 79	0	7	0	1.00	0 0.000000000	0.0000000
## 80	0	6	0	1.15	0 0.149999980	0.0000000
## 81	1	6	1	1.00	0 0.000000000	0.0000000
## 83	0	8	1	1.10	0 0.100000020	0.0000000
## 87	0	7	0	1.20	0 0.200000050	0.0000000
## 88	0	7	0	1.19	0 0.190000060	0.0000000
## 89	0	8	1	0.60	0 0.000000000	0.0000000
## 90	0	6	1	1.10	0 0.100000020	0.0000000
## 91	0	6	1	0.80	0 0.000000000	0.0000000
## 92	0	7	0	1.10	0 0.100000020	0.0000000
## 93	0	9	1	1.10	0 0.100000020	0.0000000
## 94	0	7	0	1.20	0 0.200000050	0.0000000
## 95	0	6	0	1.00	0 0.000000000	0.0000000
## 96	0	8	0	1.40	0 0.399999980	0.0000000
## 97	0	8	0	1.01	0 0.009999991	0.0000000
## 98	0	6	0	1.10	0 0.100000020	0.0000000
## 99	0	7	0	1.20	0 0.200000050	0.0000000
## 100	1	7	0	1.70	0 0.700000050	0.2000001
## 101	0	6	1	0.90	0 0.000000000	0.0000000
## 102	0	5	0	0.80	0 0.000000000	0.0000000
## 103	0	6	0	0.80	0 0.000000000	0.0000000
## 105	1	6	0	1.50	0 0.500000000	0.0000000
## 107	0	8	0	1.50	0 0.500000000	0.0000000
## 108	0	9	0	1.10	0 0.100000020	0.0000000

## 109	0	9	1	1.10	0	0.100000020	0.0000000
## 110	0	7	0	1.70	0	0.700000050	0.2000001
## 112	0	6	0	0.96	0	0.000000000	0.0000000
## 113	1	7	0	1.10	0	0.100000020	0.0000000
## 116	0	7	0	0.90	0	0.000000000	0.0000000
## 118	1	9	0	1.10	0	0.100000020	0.0000000
## 119	0	7	0	1.10	0	0.100000020	0.0000000
## 120	1	6	1	1.10	0	0.100000020	0.0000000
## 121	0	8	0	0.80	0	0.000000000	0.0000000
## 122	0	8	1	1.00	0	0.000000000	0.0000000
## 123	0	7	1	1.20	0	0.200000050	0.0000000
## 124	0	8	0	1.10	0	0.100000020	0.0000000
## 125	0	6	0	1.20	0	0.200000050	0.0000000
## 126	0	7	0	1.00	0	0.000000000	0.0000000
## 127	0	6	1	0.80	0	0.000000000	0.0000000
## 128	0	6	1	1.00	0	0.000000000	0.0000000
## 129	0	6	0	0.90	0	0.000000000	0.0000000
## 131	0	6	0	NA	0	NA	NA
## 132	1	7	0	0.80	0	0.000000000	0.0000000
## 134	0	7	0	1.30	0	0.299999950	0.0000000
## 136	0	6	1	1.30	0	0.299999950	0.0000000
## 137	0	8	0	1.20	0	0.200000050	0.0000000
## 139	0	7	1	NA	0	NA	NA
## 140	0	7	0	0.80	0	0.000000000	0.0000000
## 141	0	6	1	0.90	0	0.000000000	0.0000000
## 142	0	5	1	0.70	0	0.000000000	0.0000000
## 144	0	8	0	1.00	0	0.000000000	0.0000000
## 146	0	7	0	0.70	0	0.000000000	0.0000000
## 147	0	5	0	0.80	0	0.000000000	0.0000000
## 148	0	8	0	1.00	0	0.000000000	0.0000000
## 149	0	7	0	1.40	0	0.399999980	0.0000000
## 150	0	9	1	1.20	0	0.200000050	0.0000000
## 151	0	7	1	1.90	0	0.899999980	0.4000000
## 154	0	7	0	1.10	0	0.100000020	0.0000000
## 155	0	7	0	0.80	0	0.000000000	0.0000000
## 156	0	6	0	0.80	0	0.000000000	0.0000000
## 157	1	6	0	1.30	0	0.299999950	0.0000000
## 158	0	8	0	1.00	0	0.000000000	0.0000000
## 159	0	8	0	1.90	0	0.899999980	0.4000000
## 160	1	7	1	1.20	0	0.200000050	0.0000000
## 161	0	8	1	0.90	0	0.000000000	0.0000000
## 162	1	6	1	1.00	0	0.000000000	0.0000000
## 163	0	8	1	1.20	0	0.200000050	0.0000000
## 164	0	8	1	1.00	0	0.000000000	0.0000000
## 166	0	6	0	1.00	0	0.000000000	0.0000000
## 167	0	6	0	1.20	0	0.200000050	0.0000000
## 168	0	9	0	0.80	0	0.000000000	0.0000000
## 169	0	7	0	1.10	0	0.100000020	0.0000000
## 170	0	8	1	0.90	0	0.000000000	0.0000000
## 171	0	7	1	0.90	0	0.000000000	0.0000000
## 172	0	6	0	1.20	0	0.200000050	0.0000000
## 174	0	8	0	1.20	0	0.200000050	0.0000000
## 175	0	5	0	0.80	0	0.000000000	0.0000000
## 176	0	7	1	1.00	0	0.000000000	0.0000000

## 177	1	8	1	1.10	0	0.100000020	0.0000000
## 179	0	7	0	0.90	0	0.000000000	0.0000000
## 180	0	7	1	1.30	0	0.299999950	0.0000000
## 181	0	7	0	0.90	0	0.000000000	0.0000000
## 183	0	8	1	1.60	0	0.600000020	0.1000000
## 184	0	7	0	0.90	0	0.000000000	0.0000000
## 185	0	7	1	0.90	0	0.000000000	0.0000000
## 186	0	6	1	0.90	0	0.000000000	0.0000000
## 188	1	8	1	1.20	0	0.200000050	0.0000000
## 190	0	5	1	0.70	0	0.000000000	0.0000000
## 193	0	8	0	0.80	0	0.000000000	0.0000000
## 194	0	8	0	1.60	0	0.600000020	0.1000000
## 195	0	8	0	0.80	0	0.000000000	0.0000000
## 196	0	6	0	4.40	0	3.400000100	2.9000001
## 198	1	5	1	1.10	0	0.100000020	0.0000000
## 199	0	6	0	1.37	0	0.370000000	0.0000000
## 200	0	6	0	1.10	0	0.100000020	0.0000000
## 202	0	8	1	1.50	0	0.500000000	0.0000000
## 203	0	9	0	1.20	0	0.200000050	0.0000000
## 204	0	7	1	0.80	0	0.000000000	0.0000000
## 205	0	6	1	0.90	0	0.000000000	0.0000000
## 206	1	7	0	0.70	0	0.000000000	0.0000000
## 209	1	5	0	1.20	0	0.200000050	0.0000000
## 210	0	8	1	0.90	0	0.000000000	0.0000000
## 211	1	5	0	1.00	0	0.000000000	0.0000000
## 212	0	8	1	0.90	0	0.000000000	0.0000000
## 214	0	7	1	1.20	0	0.200000050	0.0000000
## 215	0	6	1	1.00	0	0.000000000	0.0000000
## 216	0	7	0	1.30	0	0.299999950	0.0000000
## 217	0	6	1	1.40	0	0.399999980	0.0000000
## 218	0	7	0	0.90	0	0.000000000	0.0000000
## 220	1	8	0	1.30	0	0.299999950	0.0000000
## 222	1	7	1	1.00	0	0.000000000	0.0000000
## 223	0	6	0	1.20	0	0.200000050	0.0000000
## 224	0	8	1	0.90	0	0.000000000	0.0000000
## 225	0	7	1	1.10	0	0.100000020	0.0000000
## 226	0	7	0	1.10	0	0.100000020	0.0000000
## 227	0	8	1	0.70	0	0.000000000	0.0000000
## 228	1	6	1	0.80	0	0.000000000	0.0000000
## 229	0	6	0	1.20	0	0.200000050	0.0000000
## 230	0	7	1	0.70	0	0.000000000	0.0000000
## 231	0	8	1	0.90	0	0.000000000	0.0000000
## 232	0	7	1	0.90	0	0.000000000	0.0000000
## 233	0	7	0	0.90	0	0.000000000	0.0000000
## 234	1	5	0	1.50	0	0.500000000	0.0000000
## 236	0	6	0	0.90	0	0.000000000	0.0000000
## 238	0	6	0	1.00	0	0.000000000	0.0000000
## 239	0	5	0	0.98	0	0.000000000	0.0000000
##	priority_21.1	priority_22.1	dm3cat.1	dm3cat_21.1	dm3cat_22.1	dm3cat_21_2.1	
## 1	1		1	1	0	0	0
## 2	0		0	1	0	0	0
## 3	0		0	2	1	0	1
## 4	1		0	2	1	0	1
## 5	0		0	1	0	0	0

## 6	0	0	1	0	0	0
## 7	1	0	1	0	0	0
## 8	0	0	1	0	0	0
## 10	1	0	1	0	0	0
## 11	1	0	1	0	0	0
## 12	0	0	1	0	0	0
## 13	1	0	1	0	0	0
## 14	1	0	1	0	0	0
## 16	1	0	3	1	1	1
## 17	0	0	1	0	0	0
## 18	0	0	1	0	0	0
## 19	1	0	2	1	0	1
## 20	0	0	1	0	0	0
## 21	1	0	2	1	0	1
## 23	1	0	2	1	0	1
## 25	1	0	2	1	0	1
## 26	1	0	3	1	1	1
## 27	0	0	2	1	0	1
## 28	0	0	2	1	0	1
## 29	0	0	1	0	0	0
## 30	0	0	3	1	1	1
## 33	1	0	1	0	0	0
## 34	0	0	1	0	0	0
## 35	1	0	1	0	0	0
## 36	1	0	1	0	0	0
## 37	1	0	2	1	0	1
## 38	1	0	1	0	0	0
## 39	1	0	2	1	0	1
## 40	0	0	2	1	0	1
## 41	0	0	1	0	0	0
## 43	0	0	1	0	0	0
## 44	1	0	1	0	0	0
## 45	1	0	1	0	0	0
## 46	1	0	1	0	0	0
## 47	1	0	1	0	0	0
## 48	1	0	1	0	0	0
## 49	0	0	2	1	0	1
## 50	0	0	1	0	0	0
## 51	0	0	3	1	1	1
## 52	1	0	1	0	0	0
## 54	1	0	2	1	0	1
## 55	0	0	1	0	0	0
## 56	0	0	1	0	0	0
## 57	1	0	1	0	0	0
## 58	1	0	1	0	0	0
## 59	1	0	1	0	0	0
## 60	1	0	1	0	0	0
## 62	0	0	1	0	0	0
## 65	1	0	2	1	0	1
## 67	1	0	2	1	0	1
## 68	1	0	1	0	0	0
## 69	1	0	1	0	0	0
## 70	1	0	1	0	0	0
## 71	1	0	1	0	0	0

## 72	0	0	1	0	0	0
## 73	0	0	1	0	0	0
## 74	0	0	1	0	0	0
## 75	1	0	2	1	0	1
## 76	1	0	1	0	0	0
## 77	1	0	1	0	0	0
## 79	1	0	1	0	0	0
## 80	0	0	1	0	0	0
## 81	1	0	1	0	0	0
## 83	1	0	1	0	0	0
## 87	1	0	2	1	0	1
## 88	0	0	1	0	0	0
## 89	1	0	1	0	0	0
## 90	0	0	1	0	0	0
## 91	1	0	1	0	0	0
## 92	0	0	1	0	0	0
## 93	1	0	1	0	0	0
## 94	1	0	1	0	0	0
## 95	1	0	1	0	0	0
## 96	0	0	1	0	0	0
## 97	1	0	1	0	0	0
## 98	0	0	1	0	0	0
## 99	1	0	1	0	0	0
## 100	1	0	1	0	0	0
## 101	1	0	1	0	0	0
## 102	0	0	1	0	0	0
## 103	1	0	1	0	0	0
## 105	0	0	1	0	0	0
## 107	1	0	2	1	0	1
## 108	1	0	1	0	0	0
## 109	1	0	1	0	0	0
## 110	0	0	2	1	0	1
## 112	1	0	1	0	0	0
## 113	0	0	1	0	0	0
## 116	1	0	2	1	0	1
## 118	0	0	1	0	0	0
## 119	0	0	1	0	0	0
## 120	0	0	1	0	0	0
## 121	0	0	1	0	0	0
## 122	1	0	1	0	0	0
## 123	0	0	1	0	0	0
## 124	1	0	1	0	0	0
## 125	0	0	1	0	0	0
## 126	0	0	2	1	0	1
## 127	1	0	1	0	0	0
## 128	1	0	1	0	0	0
## 129	1	0	1	0	0	0
## 131	0	0	2	1	0	1
## 132	0	0	2	1	0	1
## 134	1	0	2	1	0	1
## 136	0	0	1	0	0	0
## 137	1	0	2	1	0	1
## 139	1	0	2	1	0	1
## 140	0	0	1	0	0	0

## 141	0	0	1	0	0	0
## 142	1	0	1	0	0	0
## 144	1	0	2	1	0	1
## 146	1	0	1	0	0	0
## 147	1	0	1	0	0	0
## 148	1	0	1	0	0	0
## 149	0	0	1	0	0	0
## 150	0	0	1	0	0	0
## 151	1	0	3	1	1	1
## 154	0	0	2	1	0	1
## 155	1	0	2	1	0	1
## 156	1	0	1	0	0	0
## 157	1	0	1	0	0	0
## 158	1	0	1	0	0	0
## 159	1	0	1	0	0	0
## 160	0	0	2	1	0	1
## 161	1	0	1	0	0	0
## 162	1	0	1	0	0	0
## 163	1	0	3	1	1	1
## 164	1	0	1	0	0	0
## 166	0	0	2	1	0	1
## 167	0	0	2	1	0	1
## 168	1	0	1	0	0	0
## 169	1	0	2	1	0	1
## 170	1	0	2	1	0	1
## 171	1	0	1	0	0	0
## 172	1	0	1	0	0	0
## 174	1	1	2	1	0	1
## 175	1	0	1	0	0	0
## 176	1	0	1	0	0	0
## 177	1	0	1	0	0	0
## 179	0	0	1	0	0	0
## 180	1	0	1	0	0	0
## 181	1	0	2	1	0	1
## 183	1	0	3	1	1	1
## 184	0	0	2	1	0	1
## 185	0	0	2	1	0	1
## 186	0	0	1	0	0	0
## 188	0	0	1	0	0	0
## 190	1	1	1	0	0	0
## 193	1	0	1	0	0	0
## 194	1	0	1	0	0	0
## 195	1	0	1	0	0	0
## 196	1	0	3	1	1	1
## 198	1	0	1	0	0	0
## 199	1	0	3	1	1	1
## 200	0	0	1	0	0	0
## 202	1	0	3	1	1	1
## 203	1	0	1	0	0	0
## 204	1	0	1	0	0	0
## 205	1	0	2	1	0	1
## 206	1	0	2	1	0	1
## 209	1	0	1	0	0	0
## 210	1	0	2	1	0	1

## 211	1	0	2	1	0	1
## 212	1	0	1	0	0	0
## 214	1	0	1	0	0	0
## 215	1	0	1	0	0	0
## 216	1	0	2	1	0	1
## 217	1	0	1	0	0	0
## 218	1	0	2	1	0	1
## 220	0	0	2	1	0	1
## 222	0	0	1	0	0	0
## 223	1	0	1	0	0	0
## 224	1	0	1	0	0	0
## 225	0	0	3	1	1	1
## 226	1	0	1	0	0	0
## 227	1	0	2	1	0	1
## 228	1	0	1	0	0	0
## 229	0	0	2	1	0	1
## 230	1	0	1	0	0	0
## 231	1	0	3	1	1	1
## 232	1	0	1	0	0	0
## 233	0	0	3	1	1	1
## 234	0	0	3	1	1	1
## 236	1	1	2	1	0	1
## 238	1	0	2	1	0	1
## 239	0	0	1	0	0	0
##	dm3cat_22_2.1	pci_ta.1	efvalue_r.1	ef50_neg_r.1	ef50_neg_d_r.1	
## 1	0	0	60	0	1	
## 2	0	0	37	13	3	
## 3	0	0	52	0	1	
## 4	0	0	60	0	1	
## 5	0	0	60	0	1	
## 6	0	0	63	0	1	
## 7	0	0	40	10	2	
## 8	0	0	50	0	1	
## 10	0	0	65	0	1	
## 11	0	0	35	15	3	
## 12	0	0	60	0	1	
## 13	0	0	70	0	1	
## 14	0	0	60	0	1	
## 16	1	0	65	0	1	
## 17	0	0	50	0	1	
## 18	0	0	60	0	1	
## 19	0	0	50	0	1	
## 20	0	0	70	0	1	
## 21	0	0	40	10	2	
## 23	0	0	50	0	1	
## 25	0	0	25	25	4	
## 26	1	0	47	3	2	
## 27	0	0	60	0	1	
## 28	0	0	57	0	1	
## 29	0	0	48	2	2	
## 30	1	0	50	0	1	
## 33	0	0	57	0	1	
## 34	0	0	52	0	1	
## 35	0	1	60	0	1	

## 36	0	0	55	0	1
## 37	0	0	55	0	1
## 38	0	0	55	0	1
## 39	0	0	60	0	1
## 40	0	0	60	0	1
## 41	0	0	72	0	1
## 43	0	0	68	0	1
## 44	0	0	65	0	1
## 45	0	0	65	0	1
## 46	0	0	74	0	1
## 47	0	0	50	0	1
## 48	0	0	54	0	1
## 49	0	0	55	0	1
## 50	0	0	39	11	3
## 51	1	0	45	5	2
## 52	0	0	60	0	1
## 54	0	0	60	0	1
## 55	0	0	65	0	1
## 56	0	0	40	10	2
## 57	0	0	60	0	1
## 58	0	0	51	0	1
## 59	0	0	65	0	1
## 60	0	0	55	0	1
## 62	0	0	55	0	1
## 65	0	0	55	0	1
## 67	0	0	60	0	1
## 68	0	0	54	0	1
## 69	0	1	54	0	1
## 70	0	0	55	0	1
## 71	0	0	44	6	2
## 72	0	0	50	0	1
## 73	0	0	60	0	1
## 74	0	0	50	0	1
## 75	0	0	70	0	1
## 76	0	0	60	0	1
## 77	0	0	57	0	1
## 79	0	0	53	0	1
## 80	0	0	65	0	1
## 81	0	0	55	0	1
## 83	0	0	65	0	1
## 87	0	0	45	5	2
## 88	0	0	60	0	1
## 89	0	0	45	5	2
## 90	0	0	60	0	1
## 91	0	0	30	20	3
## 92	0	0	70	0	1
## 93	0	0	35	15	3
## 94	0	0	60	0	1
## 95	0	0	60	0	1
## 96	0	0	55	0	1
## 97	0	0	60	0	1
## 98	0	0	60	0	1
## 99	0	0	60	0	1
## 100	0	0	55	0	1

## 101	0	0	60	0	1
## 102	0	0	50	0	1
## 103	0	0	65	0	1
## 105	0	0	68	0	1
## 107	0	0	55	0	1
## 108	0	0	60	0	1
## 109	0	0	60	0	1
## 110	0	0	57	0	1
## 112	0	0	65	0	1
## 113	0	0	45	5	2
## 116	0	0	55	0	1
## 118	0	0	53	0	1
## 119	0	0	60	0	1
## 120	0	0	60	0	1
## 121	0	0	57	0	1
## 122	0	0	55	0	1
## 123	0	0	51	0	1
## 124	0	0	50	0	1
## 125	0	0	55	0	1
## 126	0	0	65	0	1
## 127	0	0	55	0	1
## 128	0	0	50	0	1
## 129	0	0	55	0	1
## 131	0	0	60	0	1
## 132	0	0	35	15	3
## 134	0	0	55	0	1
## 136	0	0	60	0	1
## 137	0	0	60	0	1
## 139	0	0	55	0	1
## 140	0	0	40	10	2
## 141	0	0	63	0	1
## 142	0	0	38	12	3
## 144	0	0	32	18	3
## 146	0	0	50	0	1
## 147	0	0	60	0	1
## 148	0	0	50	0	1
## 149	0	0	46	4	2
## 150	0	0	60	0	1
## 151	1	0	65	0	1
## 154	0	0	52	0	1
## 155	0	0	60	0	1
## 156	0	0	70	0	1
## 157	0	0	40	10	2
## 158	0	0	60	0	1
## 159	0	0	50	0	1
## 160	0	0	55	0	1
## 161	0	0	35	15	3
## 162	0	0	60	0	1
## 163	1	0	65	0	1
## 164	0	0	50	0	1
## 166	0	0	55	0	1
## 167	0	0	61	0	1
## 168	0	0	60	0	1
## 169	0	0	24	26	4

## 170	0	0	45	5	2
## 171	0	0	60	0	1
## 172	0	0	60	0	1
## 174	0	0	47	3	2
## 175	0	0	45	5	2
## 176	0	0	65	0	1
## 177	0	0	55	0	1
## 179	0	0	75	0	1
## 180	0	0	51	0	1
## 181	0	0	45	5	2
## 183	1	0	42	8	2
## 184	0	0	72	0	1
## 185	0	0	60	0	1
## 186	0	0	55	0	1
## 188	0	0	50	0	1
## 190	0	0	59	0	1
## 193	0	0	45	5	2
## 194	0	0	60	0	1
## 195	0	0	45	5	2
## 196	1	0	35	15	3
## 198	0	1	55	0	1
## 199	1	0	45	5	2
## 200	0	0	60	0	1
## 202	1	0	45	5	2
## 203	0	0	40	10	2
## 204	0	0	60	0	1
## 205	0	0	65	0	1
## 206	0	0	65	0	1
## 209	0	0	60	0	1
## 210	0	0	60	0	1
## 211	0	0	30	20	3
## 212	0	0	60	0	1
## 214	0	0	60	0	1
## 215	0	0	60	0	1
## 216	0	0	60	0	1
## 217	0	0	55	0	1
## 218	0	0	40	10	2
## 220	0	0	39	11	3
## 222	0	0	55	0	1
## 223	0	0	65	0	1
## 224	0	0	47	3	2
## 225	1	0	60	0	1
## 226	0	0	30	20	3
## 227	0	0	50	0	1
## 228	0	0	45	5	2
## 229	0	0	68	0	1
## 230	0	0	60	0	1
## 231	1	0	50	0	1
## 232	0	0	70	0	1
## 233	1	0	65	0	1
## 234	1	0	40	10	2
## 236	0	0	39	11	3
## 238	0	0	70	0	1
## 239	0	0	65	0	1

##	atfibyn_2_r.1	priormi_r.1	priormi_21_r.1	priormi_22_r.1	priormi_23_r.1
## 1	0	0	0	0	0
## 2	0	4	1	1	1
## 3	0	0	0	0	0
## 4	0	0	0	0	0
## 5	0	4	1	1	1
## 6	0	0	0	0	0
## 7	0	0	0	0	0
## 8	0	0	0	0	0
## 10	0	0	0	0	0
## 11	0	0	0	0	0
## 12	0	0	0	0	0
## 13	0	0	0	0	0
## 14	0	0	0	0	0
## 16	0	4	1	1	1
## 17	0	3	1	1	1
## 18	0	0	0	0	0
## 19	0	4	1	1	1
## 20	0	0	0	0	0
## 21	1	3	1	1	1
## 23	0	2	1	1	0
## 25	0	3	1	1	1
## 26	0	0	0	0	0
## 27	0	0	0	0	0
## 28	0	0	0	0	0
## 29	0	0	0	0	0
## 30	0	0	0	0	0
## 33	0	2	1	1	0
## 34	0	0	0	0	0
## 35	0	0	0	0	0
## 36	0	4	1	1	1
## 37	0	0	0	0	0
## 38	0	0	0	0	0
## 39	0	0	0	0	0
## 40	0	0	0	0	0
## 41	0	0	0	0	0
## 43	0	0	0	0	0
## 44	0	0	0	0	0
## 45	0	0	0	0	0
## 46	1	0	0	0	0
## 47	0	2	1	1	0
## 48	0	0	0	0	0
## 49	0	4	1	1	1
## 50	0	0	0	0	0
## 51	0	3	1	1	1
## 52	0	4	1	1	1
## 54	0	4	1	1	1
## 55	1	0	0	0	0
## 56	0	4	1	1	1
## 57	0	0	0	0	0
## 58	0	4	1	1	1
## 59	0	4	1	1	1
## 60	0	0	0	0	0
## 62	0	4	1	1	1

## 65	0	2	1	1	0
## 67	1	2	1	1	0
## 68	0	2	1	1	0
## 69	0	2	1	1	0
## 70	0	0	0	0	0
## 71	1	2	1	1	0
## 72	0	0	0	0	0
## 73	0	0	0	0	0
## 74	0	0	0	0	0
## 75	1	4	1	1	1
## 76	0	0	0	0	0
## 77	0	0	0	0	0
## 79	0	2	1	1	0
## 80	0	0	0	0	0
## 81	0	4	1	1	1
## 83	0	0	0	0	0
## 87	0	3	1	1	1
## 88	0	0	0	0	0
## 89	0	0	0	0	0
## 90	0	0	0	0	0
## 91	0	0	0	0	0
## 92	0	3	1	1	1
## 93	1	3	1	1	1
## 94	0	2	1	1	0
## 95	0	0	0	0	0
## 96	0	0	0	0	0
## 97	0	0	0	0	0
## 98	0	0	0	0	0
## 99	0	0	0	0	0
## 100	0	4	1	1	1
## 101	0	0	0	0	0
## 102	0	3	1	1	1
## 103	0	0	0	0	0
## 105	0	4	1	1	1
## 107	0	0	0	0	0
## 108	0	0	0	0	0
## 109	0	0	0	0	0
## 110	0	0	0	0	0
## 112	0	0	0	0	0
## 113	0	4	1	1	1
## 116	0	2	1	1	0
## 118	0	4	1	1	1
## 119	0	0	0	0	0
## 120	0	4	1	1	1
## 121	0	0	0	0	0
## 122	0	0	0	0	0
## 123	0	0	0	0	0
## 124	0	2	1	1	0
## 125	0	0	0	0	0
## 126	0	0	0	0	0
## 127	0	0	0	0	0
## 128	0	0	0	0	0
## 129	0	0	0	0	0
## 131	0	0	0	0	0

## 132	0	4	1	1	1
## 134	0	0	0	0	0
## 136	0	0	0	0	0
## 137	0	2	1	1	0
## 139	0	0	0	0	0
## 140	0	0	0	0	0
## 141	0	0	0	0	0
## 142	0	0	0	0	0
## 144	0	2	1	1	0
## 146	0	2	1	1	0
## 147	0	2	1	1	0
## 148	0	2	1	1	0
## 149	0	2	1	1	0
## 150	1	0	0	0	0
## 151	0	0	0	0	0
## 154	0	0	0	0	0
## 155	0	0	0	0	0
## 156	0	2	1	1	0
## 157	0	4	1	1	1
## 158	0	2	1	1	0
## 159	0	3	1	1	1
## 160	0	4	1	1	1
## 161	0	0	0	0	0
## 162	0	4	1	1	1
## 163	0	0	0	0	0
## 164	1	0	0	0	0
## 166	0	2	1	1	0
## 167	0	0	0	0	0
## 168	0	2	1	1	0
## 169	0	2	1	1	0
## 170	0	0	0	0	0
## 171	0	0	0	0	0
## 172	0	0	0	0	0
## 174	0	1	1	0	0
## 175	0	3	1	1	1
## 176	0	0	0	0	0
## 177	0	4	1	1	1
## 179	0	0	0	0	0
## 180	0	3	1	1	1
## 181	0	2	1	1	0
## 183	1	3	1	1	1
## 184	0	0	0	0	0
## 185	0	0	0	0	0
## 186	0	0	0	0	0
## 188	1	4	1	1	1
## 190	0	0	0	0	0
## 193	0	0	0	0	0
## 194	1	3	1	1	1
## 195	0	2	1	1	0
## 196	0	3	1	1	1
## 198	0	4	1	1	1
## 199	0	0	0	0	0
## 200	0	0	0	0	0
## 202	0	0	0	0	0

## 203	0	2	1	1	0		
## 204	0	3	1	1	1		
## 205	0	0	0	0	0		
## 206	0	4	1	1	1		
## 209	0	4	1	1	1		
## 210	0	0	0	0	0		
## 211	0	4	1	1	1		
## 212	0	0	0	0	0		
## 214	0	3	1	1	1		
## 215	0	0	0	0	0		
## 216	1	2	1	1	0		
## 217	0	0	0	0	0		
## 218	0	2	1	1	0		
## 220	1	4	1	1	1		
## 222	0	4	1	1	1		
## 223	0	2	1	1	0		
## 224	0	0	0	0	0		
## 225	0	0	0	0	0		
## 226	0	0	0	0	0		
## 227	0	0	0	0	0		
## 228	0	4	1	1	1		
## 229	0	0	0	0	0		
## 230	0	0	0	0	0		
## 231	0	0	0	0	0		
## 232	0	3	1	1	1		
## 233	0	0	0	0	0		
## 234	0	4	1	1	1		
## 236	0	2	1	1	0		
## 238	0	0	0	0	0		
## 239	1	0	0	0	0		
##	priormi_24_r.1	age_r.1	age_d_r.1	ua_r.1	ua_nmi7_r.1	chf_r.1	chf2cat_r.1
## 1	0	74.10541	8	1	1	0	0
## 2	1	69.02670	7	1	1	0	0
## 3	0	64.70911	7	0	0	0	0
## 4	0	73.53593	8	0	0	0	0
## 5	1	77.34976	8	1	1	0	0
## 6	0	67.12389	7	1	1	0	0
## 7	0	64.52567	7	1	1	0	0
## 8	0	59.15127	6	1	1	0	0
## 10	0	74.64203	8	0	0	0	0
## 11	0	25.87817	3	0	0	1	1
## 12	0	77.98768	8	1	1	0	0
## 13	0	68.48186	7	0	0	0	0
## 14	0	51.89322	6	1	1	0	0
## 16	1	74.48871	8	0	0	0	0
## 17	0	68.69541	7	0	0	0	0
## 18	0	58.37372	6	1	1	0	0
## 19	1	63.53730	7	0	0	0	0
## 20	0	71.29089	8	1	1	0	0
## 21	0	73.31417	8	1	1	1	1
## 23	0	77.71937	8	0	0	1	1
## 25	0	53.48391	6	1	1	4	1
## 26	0	70.72964	8	0	0	0	0
## 27	0	67.58659	7	0	0	0	0

## 28	0 78.13278	8	0	0	0	0
## 29	0 58.91581	6	0	0	0	0
## 30	0 76.90075	8	1	1	0	0
## 33	0 82.76249	9	1	0	0	0
## 34	0 65.27310	7	0	0	0	0
## 35	0 72.91991	8	0	0	0	0
## 36	1 60.50103	7	1	1	0	0
## 37	0 61.45106	7	1	1	0	0
## 38	0 68.41067	7	1	1	0	0
## 39	0 71.93977	8	1	1	0	0
## 40	0 76.96920	8	0	0	0	0
## 41	0 69.59891	7	0	0	0	0
## 43	0 63.23340	7	0	0	0	0
## 44	0 71.01711	8	0	0	0	0
## 45	0 59.01711	6	0	0	0	0
## 46	0 78.92129	8	1	1	0	0
## 47	0 71.44147	8	0	0	0	0
## 48	0 61.45927	7	1	1	0	0
## 49	1 83.31827	9	0	0	0	0
## 50	0 57.48665	6	0	0	0	0
## 51	0 71.08009	8	1	1	2	1
## 52	1 67.29637	7	1	1	0	0
## 54	1 72.64613	8	1	1	0	0
## 55	0 60.77481	7	0	0	0	0
## 56	1 85.29227	9	1	1	0	0
## 57	0 73.57974	8	1	1	0	0
## 58	1 64.37782	7	0	0	0	0
## 59	1 62.54894	7	0	0	0	0
## 60	0 54.50240	6	0	0	0	0
## 62	1 69.69199	7	0	0	0	0
## 65	0 56.00821	6	0	0	0	0
## 67	0 63.16769	7	1	0	0	0
## 68	0 72.77207	8	1	0	0	0
## 69	0 51.07734	6	1	0	0	0
## 70	0 62.52977	7	0	0	0	0
## 71	0 49.52498	5	1	0	0	0
## 72	0 78.01780	8	0	0	0	0
## 73	0 68.72827	7	0	0	0	0
## 74	0 71.02532	8	0	0	0	0
## 75	1 55.87406	6	1	1	0	0
## 76	0 79.77002	8	1	1	0	0
## 77	0 83.62766	9	1	1	0	0
## 79	0 63.33744	7	1	0	1	1
## 80	0 57.10336	6	0	0	0	0
## 81	1 54.28063	6	1	1	0	0
## 83	0 73.55236	8	1	1	0	0
## 87	0 68.97468	7	0	0	0	0
## 88	0 68.68994	7	0	0	0	0
## 89	0 74.17933	8	1	1	0	0
## 90	0 57.85626	6	1	1	0	0
## 91	0 52.29021	6	1	1	0	0
## 92	0 61.48939	7	0	0	0	0
## 93	0 83.92608	9	1	1	4	1
## 94	0 61.91376	7	1	0	0	0

## 95	0 58.50514	6	0	0	0	0
## 96	0 78.79261	8	0	0	0	0
## 97	0 74.96783	8	0	0	0	0
## 98	0 50.02054	6	0	0	0	0
## 99	0 67.11568	7	0	0	0	0
## 100	1 60.09856	7	0	0	0	0
## 101	0 56.29569	6	1	1	0	0
## 102	0 46.36277	5	0	0	0	0
## 103	0 57.05955	6	0	0	0	0
## 105	1 52.53662	6	0	0	0	0
## 107	0 77.25942	8	0	0	0	0
## 108	0 83.87679	9	0	0	0	0
## 109	0 83.35661	9	1	1	0	0
## 110	0 62.36003	7	0	0	0	0
## 112	0 57.69747	6	0	0	0	0
## 113	1 67.86858	7	0	0	0	0
## 116	0 60.53662	7	1	0	0	0
## 118	1 82.09446	9	0	0	0	0
## 119	0 68.87337	7	0	0	0	0
## 120	1 59.67967	6	1	1	0	0
## 121	0 71.66051	8	0	0	0	0
## 122	0 72.43806	8	1	1	0	0
## 123	0 67.84394	7	1	1	0	0
## 124	0 75.34839	8	1	0	0	0
## 125	0 59.31006	6	0	0	0	0
## 126	0 60.56399	7	0	0	0	0
## 127	0 59.66872	6	1	1	0	0
## 128	0 59.86311	6	1	1	0	0
## 129	0 57.37440	6	0	0	0	0
## 131	0 58.55442	6	0	0	0	0
## 132	1 65.16085	7	0	0	0	0
## 134	0 69.44559	7	0	0	0	0
## 136	0 51.41958	6	1	1	0	0
## 137	0 70.75428	8	0	0	0	0
## 139	0 65.67557	7	1	1	0	0
## 140	0 66.58727	7	0	0	0	0
## 141	0 56.13415	6	1	1	0	0
## 142	0 49.68926	5	1	1	0	0
## 144	0 72.98837	8	0	0	0	0
## 146	0 64.39699	7	1	0	0	0
## 147	0 47.20602	5	1	0	0	0
## 148	0 70.29158	8	0	0	0	0
## 149	0 64.47091	7	0	0	0	0
## 150	0 80.18343	9	1	1	0	0
## 151	0 66.84737	7	1	1	0	0
## 154	0 65.90281	7	0	0	0	0
## 155	0 63.38398	7	0	0	0	0
## 156	0 59.37029	6	1	0	0	0
## 157	1 58.64476	6	0	0	0	0
## 158	0 72.61054	8	0	0	0	0
## 159	0 76.72279	8	0	0	0	0
## 160	1 64.47365	7	1	1	0	0
## 161	0 76.53936	8	1	1	0	0
## 162	1 52.94182	6	1	1	0	0

## 163	0 74.27515	8	1	1	0	0
## 164	0 78.30254	8	1	1	0	0
## 166	0 56.23272	6	0	0	0	0
## 167	0 52.17522	6	0	0	0	0
## 168	0 80.82136	9	1	0	0	0
## 169	0 62.51609	7	1	0	0	0
## 170	0 77.75496	8	1	1	0	0
## 171	0 61.46475	7	1	1	0	0
## 172	0 54.96509	6	0	0	0	0
## 174	0 75.68788	8	1	0	0	0
## 175	0 46.72142	5	0	0	0	0
## 176	0 64.37782	7	1	1	0	0
## 177	1 74.42574	8	1	1	0	0
## 179	0 64.66804	7	0	0	0	0
## 180	0 60.72006	7	1	1	0	0
## 181	0 60.13415	7	0	0	0	0
## 183	0 72.21903	8	1	1	0	0
## 184	0 63.19507	7	0	0	0	0
## 185	0 63.34291	7	1	1	0	0
## 186	0 55.45790	6	1	1	0	0
## 188	1 75.50445	8	1	1	0	0
## 190	0 47.22519	5	1	1	0	0
## 193	0 70.96510	8	0	0	0	0
## 194	0 75.06913	8	0	0	0	0
## 195	0 77.35250	8	1	0	0	0
## 196	0 52.04380	6	0	0	4	1
## 198	1 48.43258	5	1	1	0	0
## 199	0 54.94867	6	0	0	1	1
## 200	0 56.42163	6	0	0	0	0
## 202	0 70.79808	8	1	1	0	0
## 203	0 84.27652	9	0	0	0	0
## 204	0 61.89733	7	1	1	0	0
## 205	0 57.70021	6	1	1	0	0
## 206	1 64.10677	7	0	0	0	0
## 209	1 43.59753	5	0	0	0	0
## 210	0 75.08830	8	1	1	0	0
## 211	1 49.54962	5	0	0	0	0
## 212	0 79.84120	8	1	1	0	0
## 214	0 65.25120	7	1	1	0	0
## 215	0 56.99110	6	1	1	0	0
## 216	0 66.91307	7	0	0	0	0
## 217	0 50.81725	6	1	1	0	0
## 218	0 60.80767	7	1	0	0	0
## 220	1 77.36893	8	0	0	0	0
## 222	1 68.65434	7	1	1	0	0
## 223	0 53.70294	6	1	0	0	0
## 224	0 73.77960	8	1	1	0	0
## 225	0 60.45174	7	1	1	0	0
## 226	0 61.40999	7	0	0	0	0
## 227	0 79.23340	8	1	1	0	0
## 228	1 58.48323	6	1	1	0	0
## 229	0 52.04654	6	0	0	0	0
## 230	0 63.48528	7	1	1	0	0
## 231	0 71.34018	8	1	1	0	0

## 232	0	61.21013	7	1	1	0	0
## 233	0	62.43395	7	0	0	0	0
## 234	1	49.00753	5	0	0	0	0
## 236	0	51.40589	6	1	0	1	1
## 238	0	58.01780	6	0	0	0	0
## 239	0	49.20739	5	0	0	0	0
##	rf_r.1	creatpre_2_r.1	rf_1_r.1	rf_2_r.1	rf_3_r.1	priority_r.1	
## 1	0	1.50	0	0.500000000	0.0000000	1	
## 2	0	1.20	0	0.200000050	0.0000000	3	
## 3	0	1.20	0	0.200000050	0.0000000	3	
## 4	0	0.90	0	0.000000000	0.0000000	2	
## 5	0	1.10	0	0.100000020	0.0000000	3	
## 6	0	0.90	0	0.000000000	0.0000000	3	
## 7	0	0.80	0	0.000000000	0.0000000	2	
## 8	0	1.20	0	0.200000050	0.0000000	3	
## 10	0	1.10	0	0.100000020	0.0000000	2	
## 11	0	1.00	0	0.000000000	0.0000000	2	
## 12	0	1.10	0	0.100000020	0.0000000	3	
## 13	0	1.40	0	0.399999980	0.0000000	2	
## 14	0	1.00	0	0.000000000	0.0000000	2	
## 16	0	1.50	0	0.500000000	0.0000000	2	
## 17	0	NA	0	0.000000000	0.0000000	3	
## 18	0	1.10	0	0.100000020	0.0000000	3	
## 19	0	1.20	0	0.200000050	0.0000000	2	
## 20	0	1.10	0	0.100000020	0.0000000	3	
## 21	0	0.80	0	0.000000000	0.0000000	2	
## 23	0	1.00	0	0.000000000	0.0000000	2	
## 25	0	2.40	0	1.400000100	0.9000001	2	
## 26	0	1.70	0	0.700000050	0.2000001	2	
## 27	0	NA	0	0.000000000	0.0000000	3	
## 28	0	1.10	0	0.100000020	0.0000000	3	
## 29	0	0.80	0	0.000000000	0.0000000	3	
## 30	0	1.00	0	0.000000000	0.0000000	3	
## 33	0	1.20	0	0.200000050	0.0000000	2	
## 34	0	0.90	0	0.000000000	0.0000000	3	
## 35	0	0.70	0	0.000000000	0.0000000	2	
## 36	0	0.90	0	0.000000000	0.0000000	2	
## 37	0	0.80	0	0.000000000	0.0000000	2	
## 38	0	1.00	0	0.000000000	0.0000000	2	
## 39	0	0.90	0	0.000000000	0.0000000	2	
## 40	0	1.90	0	0.899999980	0.4000000	3	
## 41	0	1.00	0	0.000000000	0.0000000	3	
## 43	0	1.20	0	0.200000050	0.0000000	3	
## 44	0	1.16	0	0.159999970	0.0000000	2	
## 45	0	0.90	0	0.000000000	0.0000000	2	
## 46	0	1.00	0	0.000000000	0.0000000	2	
## 47	0	0.80	0	0.000000000	0.0000000	2	
## 48	0	1.10	0	0.100000020	0.0000000	2	
## 49	0	NA	0	0.000000000	0.0000000	3	
## 50	0	1.50	0	0.500000000	0.0000000	3	
## 51	0	2.00	0	1.000000000	0.5000000	3	
## 52	0	1.00	0	0.000000000	0.0000000	2	
## 54	0	2.50	0	1.500000000	1.0000000	2	
## 55	0	0.80	0	0.000000000	0.0000000	3	

## 56	0	1.20	0 0.200000050	0.0000000	3
## 57	0	1.30	0 0.299999950	0.0000000	2
## 58	0	0.90	0 0.000000000	0.0000000	2
## 59	0	0.80	0 0.000000000	0.0000000	2
## 60	0	1.03	0 0.029999971	0.0000000	2
## 62	0	1.50	0 0.500000000	0.0000000	3
## 65	0	1.00	0 0.000000000	0.0000000	2
## 67	0	0.90	0 0.000000000	0.0000000	2
## 68	0	1.10	0 0.100000020	0.0000000	2
## 69	0	1.00	0 0.000000000	0.0000000	2
## 70	0	1.00	0 0.000000000	0.0000000	2
## 71	0	0.90	0 0.000000000	0.0000000	2
## 72	0	1.00	0 0.000000000	0.0000000	3
## 73	0	1.00	0 0.000000000	0.0000000	3
## 74	0	1.30	0 0.299999950	0.0000000	3
## 75	0	0.90	0 0.000000000	0.0000000	2
## 76	0	0.70	0 0.000000000	0.0000000	2
## 77	0	1.60	0 0.600000020	0.1000000	2
## 79	0	1.00	0 0.000000000	0.0000000	2
## 80	0	1.15	0 0.149999980	0.0000000	3
## 81	0	1.00	0 0.000000000	0.0000000	2
## 83	0	1.10	0 0.100000020	0.0000000	2
## 87	0	1.20	0 0.200000050	0.0000000	2
## 88	0	1.19	0 0.190000060	0.0000000	3
## 89	0	0.60	0 0.000000000	0.0000000	2
## 90	0	1.10	0 0.100000020	0.0000000	3
## 91	0	0.80	0 0.000000000	0.0000000	2
## 92	0	1.10	0 0.100000020	0.0000000	3
## 93	0	1.10	0 0.100000020	0.0000000	2
## 94	0	1.20	0 0.200000050	0.0000000	2
## 95	0	1.00	0 0.000000000	0.0000000	2
## 96	0	1.40	0 0.399999980	0.0000000	3
## 97	0	1.01	0 0.009999991	0.0000000	2
## 98	0	1.10	0 0.100000020	0.0000000	3
## 99	0	1.20	0 0.200000050	0.0000000	2
## 100	0	1.70	0 0.700000050	0.2000001	2
## 101	0	0.90	0 0.000000000	0.0000000	2
## 102	0	0.80	0 0.000000000	0.0000000	3
## 103	0	0.80	0 0.000000000	0.0000000	2
## 105	0	1.50	0 0.500000000	0.0000000	3
## 107	0	1.50	0 0.500000000	0.0000000	2
## 108	0	1.10	0 0.100000020	0.0000000	2
## 109	0	1.10	0 0.100000020	0.0000000	2
## 110	0	1.70	0 0.700000050	0.2000001	3
## 112	0	0.96	0 0.000000000	0.0000000	2
## 113	0	1.10	0 0.100000020	0.0000000	3
## 116	0	0.90	0 0.000000000	0.0000000	2
## 118	0	1.10	0 0.100000020	0.0000000	3
## 119	0	1.10	0 0.100000020	0.0000000	3
## 120	0	1.10	0 0.100000020	0.0000000	3
## 121	0	0.80	0 0.000000000	0.0000000	3
## 122	0	1.00	0 0.000000000	0.0000000	2
## 123	0	1.20	0 0.200000050	0.0000000	3
## 124	0	1.10	0 0.100000020	0.0000000	2

## 125	0	1.20	0 0.200000050	0.0000000	3
## 126	0	1.00	0 0.000000000	0.0000000	3
## 127	0	0.80	0 0.000000000	0.0000000	2
## 128	0	1.00	0 0.000000000	0.0000000	2
## 129	0	0.90	0 0.000000000	0.0000000	2
## 131	0	NA	0 0.000000000	0.0000000	3
## 132	0	0.80	0 0.000000000	0.0000000	3
## 134	0	1.30	0 0.299999950	0.0000000	2
## 136	0	1.30	0 0.299999950	0.0000000	3
## 137	0	1.20	0 0.200000050	0.0000000	2
## 139	0	NA	0 0.000000000	0.0000000	2
## 140	0	0.80	0 0.000000000	0.0000000	3
## 141	0	0.90	0 0.000000000	0.0000000	3
## 142	0	0.70	0 0.000000000	0.0000000	2
## 144	0	1.00	0 0.000000000	0.0000000	2
## 146	0	0.70	0 0.000000000	0.0000000	2
## 147	0	0.80	0 0.000000000	0.0000000	2
## 148	0	1.00	0 0.000000000	0.0000000	2
## 149	0	1.40	0 0.399999980	0.0000000	3
## 150	0	1.20	0 0.200000050	0.0000000	3
## 151	0	1.90	0 0.899999980	0.4000000	2
## 154	0	1.10	0 0.100000020	0.0000000	3
## 155	0	0.80	0 0.000000000	0.0000000	2
## 156	0	0.80	0 0.000000000	0.0000000	2
## 157	0	1.30	0 0.299999950	0.0000000	2
## 158	0	1.00	0 0.000000000	0.0000000	2
## 159	0	1.90	0 0.899999980	0.4000000	2
## 160	0	1.20	0 0.200000050	0.0000000	3
## 161	0	0.90	0 0.000000000	0.0000000	2
## 162	0	1.00	0 0.000000000	0.0000000	2
## 163	0	1.20	0 0.200000050	0.0000000	2
## 164	0	1.00	0 0.000000000	0.0000000	2
## 166	0	1.00	0 0.000000000	0.0000000	3
## 167	0	1.20	0 0.200000050	0.0000000	3
## 168	0	0.80	0 0.000000000	0.0000000	2
## 169	0	1.10	0 0.100000020	0.0000000	2
## 170	0	0.90	0 0.000000000	0.0000000	2
## 171	0	0.90	0 0.000000000	0.0000000	2
## 172	0	1.20	0 0.200000050	0.0000000	2
## 174	0	1.20	0 0.200000050	0.0000000	1
## 175	0	0.80	0 0.000000000	0.0000000	2
## 176	0	1.00	0 0.000000000	0.0000000	2
## 177	0	1.10	0 0.100000020	0.0000000	2
## 179	0	0.90	0 0.000000000	0.0000000	3
## 180	0	1.30	0 0.299999950	0.0000000	2
## 181	0	0.90	0 0.000000000	0.0000000	2
## 183	0	1.60	0 0.600000020	0.1000000	2
## 184	0	0.90	0 0.000000000	0.0000000	3
## 185	0	0.90	0 0.000000000	0.0000000	3
## 186	0	0.90	0 0.000000000	0.0000000	3
## 188	0	1.20	0 0.200000050	0.0000000	3
## 190	0	0.70	0 0.000000000	0.0000000	1
## 193	0	0.80	0 0.000000000	0.0000000	2
## 194	0	1.60	0 0.600000020	0.1000000	2

## 195	0	0.80	0 0.000000000	0.0000000	2	
## 196	0	4.40	0 3.400000100	2.9000001	2	
## 198	0	1.10	0 0.100000020	0.0000000	2	
## 199	0	1.37	0 0.370000000	0.0000000	2	
## 200	0	1.10	0 0.100000020	0.0000000	3	
## 202	0	1.50	0 0.500000000	0.0000000	2	
## 203	0	1.20	0 0.200000050	0.0000000	2	
## 204	0	0.80	0 0.000000000	0.0000000	2	
## 205	0	0.90	0 0.000000000	0.0000000	2	
## 206	0	0.70	0 0.000000000	0.0000000	2	
## 209	0	1.20	0 0.200000050	0.0000000	2	
## 210	0	0.90	0 0.000000000	0.0000000	2	
## 211	0	1.00	0 0.000000000	0.0000000	2	
## 212	0	0.90	0 0.000000000	0.0000000	2	
## 214	0	1.20	0 0.200000050	0.0000000	2	
## 215	0	1.00	0 0.000000000	0.0000000	2	
## 216	0	1.30	0 0.299999950	0.0000000	2	
## 217	0	1.40	0 0.399999980	0.0000000	2	
## 218	0	0.90	0 0.000000000	0.0000000	2	
## 220	0	1.30	0 0.299999950	0.0000000	3	
## 222	0	1.00	0 0.000000000	0.0000000	3	
## 223	0	1.20	0 0.200000050	0.0000000	2	
## 224	0	0.90	0 0.000000000	0.0000000	2	
## 225	0	1.10	0 0.100000020	0.0000000	3	
## 226	0	1.10	0 0.100000020	0.0000000	2	
## 227	0	0.70	0 0.000000000	0.0000000	2	
## 228	0	0.80	0 0.000000000	0.0000000	2	
## 229	0	1.20	0 0.200000050	0.0000000	3	
## 230	0	0.70	0 0.000000000	0.0000000	2	
## 231	0	0.90	0 0.000000000	0.0000000	2	
## 232	0	0.90	0 0.000000000	0.0000000	2	
## 233	0	0.90	0 0.000000000	0.0000000	3	
## 234	0	1.50	0 0.500000000	0.0000000	3	
## 236	0	0.90	0 0.000000000	0.0000000	1	
## 238	0	1.00	0 0.000000000	0.0000000	2	
## 239	0	0.98	0 0.000000000	0.0000000	3	
##	priority_21_r.1	priority_22_r.1	sex_r.1	prcabg_r.1	copd_r.1	anydm_r.1
## 1	1	1	0	0	0	0
## 2	0	0	0	0	1	0
## 3	0	0	0	0	0	1
## 4	1	0	0	0	0	1
## 5	0	0	0	0	0	0
## 6	0	0	0	0	0	0
## 7	1	0	0	0	0	0
## 8	0	0	0	0	0	0
## 10	1	0	0	0	0	0
## 11	1	0	0	0	0	0
## 12	0	0	0	0	0	0
## 13	1	0	0	0	0	0
## 14	1	0	0	0	1	0
## 16	1	0	0	0	0	1
## 17	0	0	0	0	0	0
## 18	0	0	0	0	0	0
## 19	1	0	0	0	0	1

## 20	0	0	0	0	0	0
## 21	1	0	0	0	1	1
## 23	1	0	0	0	0	1
## 25	1	0	0	0	1	1
## 26	1	0	0	0	0	1
## 27	0	0	0	0	0	1
## 28	0	0	0	0	0	1
## 29	0	0	0	0	0	0
## 30	0	0	0	0	0	1
## 33	1	0	0	0	1	0
## 34	0	0	0	0	0	0
## 35	1	0	0	0	0	0
## 36	1	0	0	0	0	0
## 37	1	0	0	0	1	1
## 38	1	0	0	0	0	0
## 39	1	0	0	0	0	1
## 40	0	0	0	0	0	1
## 41	0	0	0	0	0	0
## 43	0	0	0	0	0	0
## 44	1	0	0	0	0	0
## 45	1	0	0	0	0	0
## 46	1	0	0	0	0	0
## 47	1	0	0	0	0	0
## 48	1	0	0	0	1	0
## 49	0	0	0	0	0	1
## 50	0	0	0	0	0	0
## 51	0	0	0	0	0	1
## 52	1	0	0	0	0	0
## 54	1	0	0	0	0	1
## 55	0	0	0	0	1	0
## 56	0	0	0	0	0	0
## 57	1	0	0	0	0	0
## 58	1	0	0	0	0	0
## 59	1	0	0	0	0	0
## 60	1	0	0	0	1	0
## 62	0	0	0	0	0	0
## 65	1	0	0	0	1	1
## 67	1	0	0	0	0	1
## 68	1	0	0	0	0	0
## 69	1	0	0	0	0	0
## 70	1	0	0	0	0	0
## 71	1	0	0	0	1	0
## 72	0	0	0	0	1	0
## 73	0	0	0	0	0	0
## 74	0	0	0	0	0	0
## 75	1	0	0	0	0	1
## 76	1	0	0	0	0	0
## 77	1	0	0	0	0	0
## 79	1	0	0	0	1	0
## 80	0	0	0	0	0	0
## 81	1	0	0	0	0	0
## 83	1	0	0	0	0	0
## 87	1	0	0	0	0	1
## 88	0	0	0	0	0	0

## 89	1	0	0	0	0	0
## 90	0	0	0	0	0	0
## 91	1	0	0	0	0	0
## 92	0	0	0	0	1	0
## 93	1	0	0	0	0	0
## 94	1	0	0	0	0	0
## 95	1	0	0	0	0	0
## 96	0	0	0	0	0	0
## 97	1	0	0	0	0	0
## 98	0	0	0	0	0	0
## 99	1	0	0	0	0	0
## 100	1	0	0	1	0	0
## 101	1	0	0	0	0	0
## 102	0	0	0	0	0	0
## 103	1	0	0	0	0	0
## 105	0	0	0	0	0	0
## 107	1	0	0	0	0	1
## 108	1	0	0	0	1	0
## 109	1	0	0	0	0	0
## 110	0	0	0	0	0	1
## 112	1	0	0	0	1	0
## 113	0	0	0	0	0	0
## 116	1	0	0	0	0	1
## 118	0	0	0	0	0	0
## 119	0	0	0	0	0	0
## 120	0	0	0	0	0	0
## 121	0	0	0	0	0	0
## 122	1	0	0	0	0	0
## 123	0	0	0	0	0	0
## 124	1	0	0	0	0	0
## 125	0	0	0	0	0	0
## 126	0	0	0	0	0	1
## 127	1	0	0	0	0	0
## 128	1	0	0	0	0	0
## 129	1	0	0	0	0	0
## 131	0	0	0	0	0	1
## 132	0	0	0	0	0	1
## 134	1	0	0	0	0	1
## 136	0	0	0	0	0	0
## 137	1	0	0	0	0	1
## 139	1	0	0	0	0	1
## 140	0	0	0	0	0	0
## 141	0	0	0	0	0	0
## 142	1	0	0	0	0	0
## 144	1	0	0	0	0	1
## 146	1	0	0	0	1	0
## 147	1	0	0	0	0	0
## 148	1	0	0	0	0	0
## 149	0	0	0	0	0	0
## 150	0	0	0	0	0	0
## 151	1	0	0	0	0	1
## 154	0	0	0	0	0	1
## 155	1	0	0	0	0	1
## 156	1	0	0	0	0	0

## 157	1	0	0	0	0	0
## 158	1	0	0	0	0	0
## 159	1	0	0	0	0	0
## 160	0	0	0	0	0	1
## 161	1	0	0	0	0	0
## 162	1	0	0	0	1	0
## 163	1	0	0	0	0	1
## 164	1	0	0	0	0	0
## 166	0	0	0	0	0	1
## 167	0	0	0	0	0	1
## 168	1	0	0	0	0	0
## 169	1	0	0	0	0	1
## 170	1	0	0	1	0	1
## 171	1	0	0	0	0	0
## 172	1	0	0	0	0	0
## 174	1	1	0	0	0	1
## 175	1	0	0	0	1	0
## 176	1	0	0	0	0	0
## 177	1	0	0	0	0	0
## 179	0	0	0	0	0	0
## 180	1	0	0	0	0	0
## 181	1	0	0	0	0	1
## 183	1	0	0	0	0	1
## 184	0	0	0	0	0	1
## 185	0	0	0	1	0	1
## 186	0	0	0	0	0	0
## 188	0	0	0	0	0	0
## 190	1	1	0	0	0	0
## 193	1	0	0	0	0	0
## 194	1	0	0	0	1	0
## 195	1	0	0	0	0	0
## 196	1	0	0	0	0	1
## 198	1	0	0	0	1	0
## 199	1	0	0	0	0	1
## 200	0	0	0	0	0	0
## 202	1	0	0	0	0	1
## 203	1	0	0	0	0	0
## 204	1	0	0	0	0	0
## 205	1	0	0	0	0	1
## 206	1	0	0	0	0	1
## 209	1	0	0	0	0	0
## 210	1	0	0	0	1	1
## 211	1	0	0	0	0	1
## 212	1	0	0	0	0	0
## 214	1	0	0	0	0	0
## 215	1	0	0	0	0	0
## 216	1	0	0	0	0	1
## 217	1	0	0	0	0	0
## 218	1	0	0	0	1	1
## 220	0	0	0	0	0	1
## 222	0	0	0	0	0	0
## 223	1	0	0	0	0	0
## 224	1	0	0	0	0	0
## 225	0	0	0	0	0	1

## 226		1		0	0	0	0	0
## 227		1		0	0	0	0	1
## 228		1		0	0	0	0	0
## 229		0		0	0	0	0	1
## 230		1		0	0	0	0	0
## 231		1		0	0	0	0	1
## 232		1		0	0	0	0	0
## 233		0		0	0	0	0	1
## 234		0		0	0	0	0	1
## 236		1		1	0	0	0	1
## 238		1		0	0	0	1	1
## 239		0		0	0	0	0	0
##	dmtx_r.1	dm3cat_r.1	dm3cat_21_r.1	dm3cat_22_r.1	iabppre_r.1	anyvad_r.1		
## 1	NA	1		0	0	0		0
## 2	NA	1		0	0	0		0
## 3	2	2		1	0	0		0
## 4	2	2		1	0	0		1
## 5	NA	1		0	0	0		0
## 6	NA	1		0	0	0		0
## 7	NA	1		0	0	0		0
## 8	NA	1		0	0	0		0
## 10	NA	1		0	0	0		0
## 11	NA	1		0	0	1		0
## 12	NA	1		0	0	0		0
## 13	0	1		0	0	0		0
## 14	NA	1		0	0	0		0
## 16	3	3		1	1	0		0
## 17	NA	1		0	0	0		0
## 18	NA	1		0	0	0		0
## 19	2	2		1	0	0		0
## 20	NA	1		0	0	0		0
## 21	2	2		1	0	0		0
## 23	1	2		1	0	0		0
## 25	2	2		1	0	0		1
## 26	3	3		1	1	0		1
## 27	2	2		1	0	0		0
## 28	1	2		1	0	0		0
## 29	NA	1		0	0	0		0
## 30	3	3		1	1	0		0
## 33	NA	1		0	0	0		1
## 34	NA	1		0	0	0		0
## 35	0	1		0	0	0		0
## 36	NA	1		0	0	0		0
## 37	2	2		1	0	0		0
## 38	NA	1		0	0	0		0
## 39	1	2		1	0	0		1
## 40	2	2		1	0	0		1
## 41	0	1		0	0	0		0
## 43	NA	1		0	0	0		0
## 44	NA	1		0	0	0		1
## 45	NA	1		0	0	0		0
## 46	NA	1		0	0	0		1
## 47	NA	1		0	0	0		0
## 48	NA	1		0	0	0		0

## 49	2	2	1	0	0	0
## 50	0	1	0	0	0	0
## 51	3	3	1	1	0	1
## 52	NA	1	0	0	0	1
## 54	2	2	1	0	0	0
## 55	NA	1	0	0	0	1
## 56	NA	1	0	0	0	1
## 57	NA	1	0	0	0	1
## 58	NA	1	0	0	0	0
## 59	NA	1	0	0	0	1
## 60	NA	1	0	0	0	0
## 62	0	1	0	0	0	0
## 65	2	2	1	0	0	0
## 67	2	2	1	0	0	1
## 68	NA	1	0	0	0	0
## 69	NA	1	0	0	0	0
## 70	0	1	0	0	0	0
## 71	NA	1	0	0	0	0
## 72	NA	1	0	0	0	0
## 73	NA	1	0	0	0	1
## 74	NA	1	0	0	0	0
## 75	2	2	1	0	0	0
## 76	NA	1	0	0	0	1
## 77	NA	1	0	0	0	0
## 79	NA	1	0	0	0	1
## 80	NA	1	0	0	0	0
## 81	NA	1	0	0	0	0
## 83	NA	1	0	0	0	0
## 87	2	2	1	0	0	1
## 88	NA	1	0	0	0	0
## 89	NA	1	0	0	0	1
## 90	0	1	0	0	0	0
## 91	NA	1	0	0	0	0
## 92	NA	1	0	0	0	1
## 93	NA	1	0	0	0	0
## 94	NA	1	0	0	0	0
## 95	NA	1	0	0	0	0
## 96	NA	1	0	0	0	1
## 97	NA	1	0	0	0	0
## 98	NA	1	0	0	0	0
## 99	NA	1	0	0	0	0
## 100	NA	1	0	0	0	1
## 101	NA	1	0	0	0	0
## 102	NA	1	0	0	0	0
## 103	NA	1	0	0	0	0
## 105	NA	1	0	0	0	0
## 107	2	2	1	0	0	0
## 108	NA	1	0	0	0	1
## 109	NA	1	0	0	0	1
## 110	2	2	1	0	0	0
## 112	NA	1	0	0	0	0
## 113	0	1	0	0	0	0
## 116	2	2	1	0	0	1
## 118	0	1	0	0	0	1

## 119	NA	1	0	0	0	0
## 120	NA	1	0	0	0	1
## 121	NA	1	0	0	0	1
## 122	NA	1	0	0	0	0
## 123	NA	1	0	0	0	0
## 124	0	1	0	0	1	1
## 125	NA	1	0	0	0	0
## 126	2	2	1	0	0	1
## 127	NA	1	0	0	0	0
## 128	NA	1	0	0	0	0
## 129	NA	1	0	0	0	0
## 131	1	2	1	0	0	0
## 132	1	2	1	0	0	0
## 134	2	2	1	0	0	0
## 136	NA	1	0	0	0	0
## 137	2	2	1	0	0	0
## 139	2	2	1	0	1	1
## 140	NA	1	0	0	0	0
## 141	NA	1	0	0	0	0
## 142	NA	1	0	0	0	1
## 144	2	2	1	0	0	0
## 146	0	1	0	0	1	1
## 147	NA	1	0	0	0	0
## 148	NA	1	0	0	0	0
## 149	NA	1	0	0	0	0
## 150	NA	1	0	0	0	0
## 151	3	3	1	1	0	1
## 154	0	2	1	0	0	1
## 155	2	2	1	0	0	0
## 156	NA	1	0	0	0	0
## 157	0	1	0	0	0	1
## 158	NA	1	0	0	0	0
## 159	NA	1	0	0	0	0
## 160	2	2	1	0	0	0
## 161	NA	1	0	0	0	0
## 162	NA	1	0	0	0	0
## 163	3	3	1	1	0	0
## 164	NA	1	0	0	0	0
## 166	2	2	1	0	0	0
## 167	2	2	1	0	0	0
## 168	NA	1	0	0	0	0
## 169	0	2	1	0	0	0
## 170	2	2	1	0	0	1
## 171	NA	1	0	0	0	0
## 172	NA	1	0	0	0	0
## 174	2	2	1	0	1	0
## 175	NA	1	0	0	0	1
## 176	NA	1	0	0	0	1
## 177	NA	1	0	0	0	0
## 179	NA	1	0	0	0	1
## 180	NA	1	0	0	0	0
## 181	2	2	1	0	0	0
## 183	3	3	1	1	0	0
## 184	1	2	1	0	0	0

## 185	2	2	1	0	0	0
## 186	NA	1	0	0	0	0
## 188	NA	1	0	0	0	0
## 190	NA	1	0	0	1	0
## 193	NA	1	0	0	0	0
## 194	NA	1	0	0	0	1
## 195	NA	1	0	0	0	0
## 196	3	3	1	1	0	0
## 198	NA	1	0	0	0	0
## 199	3	3	1	1	0	1
## 200	NA	1	0	0	0	1
## 202	3	3	1	1	0	0
## 203	NA	1	0	0	0	1
## 204	NA	1	0	0	0	1
## 205	1	2	1	0	0	1
## 206	2	2	1	0	0	0
## 209	NA	1	0	0	0	1
## 210	2	2	1	0	0	0
## 211	2	2	1	0	0	1
## 212	NA	1	0	0	0	0
## 214	NA	1	0	0	0	1
## 215	NA	1	0	0	0	0
## 216	2	2	1	0	0	0
## 217	NA	1	0	0	0	0
## 218	1	2	1	0	0	1
## 220	2	2	1	0	0	0
## 222	NA	1	0	0	0	0
## 223	NA	1	0	0	0	1
## 224	NA	1	0	0	0	0
## 225	3	3	1	1	0	0
## 226	NA	1	0	0	0	0
## 227	2	2	1	0	0	0
## 228	NA	1	0	0	0	1
## 229	2	2	1	0	0	0
## 230	NA	1	0	0	0	0
## 231	3	3	1	1	0	1
## 232	NA	1	0	0	0	0
## 233	3	3	1	1	0	0
## 234	3	3	1	1	0	1
## 236	2	2	1	0	0	0
## 238	0	2	1	0	0	1
## 239	NA	1	0	0	0	0
##	vad_r.1	hyper_r.1	hyperyn_2_r.1	prptca6_r.1	pci_ta_r.1	lm3cat_r.1
## 1	0	3	1	0	0	2
## 2	0	0	0	2	0	2
## 3	0	1	1	0	0	1
## 4	1	0	0	0	0	2
## 5	0	3	1	0	0	1
## 6	0	1	1	0	0	1
## 7	0	3	1	0	0	1
## 8	0	0	0	0	0	1
## 10	0	0	0	0	0	2
## 11	0	0	0	0	0	2
## 12	0	1	1	0	0	1

## 13	0	1	1	0	0	1
## 14	0	0	0	0	0	1
## 16	0	1	1	2	0	1
## 17	0	0	0	2	0	1
## 18	0	1	1	0	0	2
## 19	0	1	1	0	0	2
## 20	0	1	1	0	0	1
## 21	0	1	1	0	0	1
## 23	0	3	1	0	0	1
## 25	3	3	1	0	0	1
## 26	2	1	1	0	0	2
## 27	0	1	1	0	0	1
## 28	0	0	0	0	0	1
## 29	0	1	1	0	0	1
## 30	0	3	1	0	0	2
## 33	1	2	1	0	0	1
## 34	0	1	1	0	0	1
## 35	0	1	1	1	1	1
## 36	0	0	0	2	0	2
## 37	0	0	0	0	0	1
## 38	0	3	1	0	0	1
## 39	1	3	1	0	0	1
## 40	1	3	1	0	0	1
## 41	0	1	1	0	0	1
## 43	0	1	1	0	0	2
## 44	1	1	1	0	0	1
## 45	0	1	1	0	0	2
## 46	1	1	1	0	0	1
## 47	0	3	1	0	0	2
## 48	0	1	1	0	0	1
## 49	0	1	1	2	0	1
## 50	0	1	1	0	0	1
## 51	3	1	1	0	0	2
## 52	2	3	1	2	0	3
## 54	0	3	1	2	0	1
## 55	1	1	1	0	0	2
## 56	1	1	1	0	0	1
## 57	1	1	1	0	0	2
## 58	0	1	1	2	0	2
## 59	2	1	1	0	0	2
## 60	0	1	1	0	0	1
## 62	0	1	1	0	0	1
## 65	0	3	1	0	0	1
## 67	5	1	1	0	0	2
## 68	0	1	1	0	0	1
## 69	0	0	0	1	1	1
## 70	0	1	1	0	0	2
## 71	0	0	0	2	0	1
## 72	0	0	0	0	0	1
## 73	2	1	1	2	0	1
## 74	0	1	1	0	0	1
## 75	0	1	1	2	0	2
## 76	1	3	1	0	0	1
## 77	0	1	1	0	0	2

## 79	3	1	1	0	0	3
## 80	0	0	0	0	0	1
## 81	0	0	0	0	0	1
## 83	0	3	1	0	0	2
## 87	1	0	0	0	0	2
## 88	0	1	1	2	0	1
## 89	5	0	0	0	0	3
## 90	0	1	1	0	0	1
## 91	0	3	1	0	0	1
## 92	5	1	1	2	0	1
## 93	0	3	1	0	0	1
## 94	0	1	1	2	0	1
## 95	0	0	0	0	0	2
## 96	1	1	1	2	0	2
## 97	0	1	1	0	0	2
## 98	0	0	0	0	0	1
## 99	0	0	0	0	0	2
## 100	1	3	1	2	0	1
## 101	0	1	1	0	0	1
## 102	0	1	1	2	0	2
## 103	0	1	1	0	0	2
## 105	0	1	1	2	0	1
## 107	0	1	1	0	0	2
## 108	5	0	0	0	0	2
## 109	1	0	0	0	0	1
## 110	0	1	1	0	0	1
## 112	0	1	1	0	0	1
## 113	0	1	1	0	0	2
## 116	1	1	1	0	0	1
## 118	2	1	1	0	0	1
## 119	0	0	0	0	0	1
## 120	1	1	1	2	0	1
## 121	1	1	1	2	0	1
## 122	0	0	0	0	0	1
## 123	0	0	0	2	0	1
## 124	2	0	0	0	0	1
## 125	0	1	1	0	0	1
## 126	3	1	1	0	0	1
## 127	0	0	0	0	0	1
## 128	0	3	1	0	0	2
## 129	0	1	1	0	0	1
## 131	0	1	1	0	0	1
## 132	0	3	1	0	0	2
## 134	0	1	1	2	0	3
## 136	0	2	1	0	0	1
## 137	0	3	1	0	0	1
## 139	1	1	1	0	0	3
## 140	0	1	1	0	0	1
## 141	0	0	0	0	0	2
## 142	3	3	1	0	0	1
## 144	0	3	1	0	0	1
## 146	1	0	0	0	0	2
## 147	0	1	1	2	0	1
## 148	0	3	1	2	0	2

## 149	0	0	0	0	0	1
## 150	0	3	1	0	0	1
## 151	1	1	1	0	0	2
## 154	2	1	1	0	0	1
## 155	0	3	1	0	0	2
## 156	0	0	0	0	0	1
## 157	2	1	1	0	0	2
## 158	0	3	1	0	0	2
## 159	0	3	1	0	0	1
## 160	0	1	1	0	0	1
## 161	0	3	1	0	0	2
## 162	0	1	1	2	0	2
## 163	0	3	1	2	0	2
## 164	0	3	1	0	0	2
## 166	0	1	1	0	0	1
## 167	0	1	1	0	0	1
## 168	0	1	1	0	0	1
## 169	0	0	0	2	0	1
## 170	1	3	1	2	0	2
## 171	0	3	1	0	0	2
## 172	0	0	0	0	0	1
## 174	0	1	1	0	0	2
## 175	1	1	1	0	0	1
## 176	1	1	1	2	0	2
## 177	0	1	1	0	0	1
## 179	1	1	1	0	0	2
## 180	0	1	1	0	0	2
## 181	0	0	0	0	0	1
## 183	0	1	1	0	0	1
## 184	0	1	1	0	0	1
## 185	0	3	1	0	0	1
## 186	0	3	1	2	0	2
## 188	0	2	1	2	0	1
## 190	0	2	1	0	0	3
## 193	0	3	1	0	0	2
## 194	3	3	1	0	0	1
## 195	0	1	1	0	0	1
## 196	0	3	1	0	0	1
## 198	0	1	1	1	1	1
## 199	2	1	1	0	0	1
## 200	3	1	1	2	0	2
## 202	0	3	1	0	0	1
## 203	1	3	1	2	0	1
## 204	3	3	1	0	0	1
## 205	2	3	1	0	0	1
## 206	0	1	1	0	0	1
## 209	2	3	1	2	0	2
## 210	0	0	0	2	0	1
## 211	1	1	1	2	0	1
## 212	0	3	1	0	0	1
## 214	3	1	1	2	0	1
## 215	0	0	0	0	0	2
## 216	0	0	0	0	0	1
## 217	0	0	0	0	0	1

## 218	5	0	0	0	0	1
## 220	0	1	1	0	0	2
## 222	0	2	1	0	0	1
## 223	3	2	1	0	0	1
## 224	0	0	0	0	0	1
## 225	0	3	1	0	0	1
## 226	0	3	1	0	0	1
## 227	0	3	1	0	0	1
## 228	3	3	1	2	0	2
## 229	0	1	1	0	0	1
## 230	0	0	0	0	0	1
## 231	2	3	1	0	0	1
## 232	0	3	1	0	0	2
## 233	0	1	1	0	0	1
## 234	2	1	1	0	0	1
## 236	0	1	1	0	0	1
## 238	2	0	0	0	0	1
## 239	0	1	1	0	0	1
##	lm2cat_r.1	aortic_insuff.1	aortic_insuff_r.1	aortic_sten.1	aortic_sten_r.1	
## 1	1	0	0	0	0	0
## 2	1	NA	0	NA	0	0
## 3	0	NA	0	NA	0	0
## 4	1	NA	0	NA	0	0
## 5	0	0	0	0	0	0
## 6	0	NA	0	NA	0	0
## 7	0	0	0	0	0	0
## 8	0	NA	0	NA	0	0
## 10	1	NA	0	NA	0	0
## 11	1	0	0	0	0	0
## 12	0	NA	0	NA	0	0
## 13	0	NA	0	NA	0	0
## 14	0	0	0	0	0	0
## 16	0	NA	0	NA	0	0
## 17	0	NA	0	NA	0	0
## 18	1	NA	0	NA	0	0
## 19	1	NA	0	NA	0	0
## 20	0	NA	0	NA	0	0
## 21	0	NA	0	NA	0	0
## 23	0	0	0	0	0	0
## 25	0	0	0	0	0	0
## 26	1	NA	0	NA	0	0
## 27	0	NA	0	NA	0	0
## 28	0	NA	0	NA	0	0
## 29	0	NA	0	NA	0	0
## 30	1	0	0	0	0	0
## 33	0	NA	0	NA	0	0
## 34	0	NA	0	NA	0	0
## 35	0	NA	0	NA	0	0
## 36	1	0	0	0	0	0
## 37	0	0	0	0	0	0
## 38	0	0	0	0	0	0
## 39	0	0	0	0	0	0
## 40	0	0	0	0	0	0
## 41	0	NA	0	NA	0	0

## 43	1	NA	0	NA	0
## 44	0	NA	0	NA	0
## 45	1	NA	0	NA	0
## 46	0	NA	0	NA	0
## 47	1	0	0	0	0
## 48	0	0	0	0	0
## 49	0	NA	0	NA	0
## 50	0	NA	0	NA	0
## 51	1	NA	0	NA	0
## 52	1	0	0	0	0
## 54	0	0	0	0	0
## 55	1	NA	0	NA	0
## 56	0	NA	0	NA	0
## 57	1	NA	0	NA	0
## 58	1	NA	0	NA	0
## 59	1	NA	0	NA	0
## 60	0	NA	0	NA	0
## 62	0	NA	0	NA	0
## 65	0	0	0	0	0
## 67	1	NA	0	NA	0
## 68	0	0	0	0	0
## 69	0	NA	0	NA	0
## 70	1	NA	0	NA	0
## 71	0	NA	0	NA	0
## 72	0	NA	0	NA	0
## 73	0	NA	0	NA	0
## 74	0	NA	0	NA	0
## 75	1	NA	0	NA	0
## 76	0	0	0	0	0
## 77	1	NA	0	NA	0
## 79	1	0	0	0	0
## 80	0	NA	0	NA	0
## 81	0	0	0	0	0
## 83	1	0	0	0	0
## 87	1	NA	0	NA	0
## 88	0	NA	0	NA	0
## 89	1	0	0	0	0
## 90	0	NA	0	NA	0
## 91	0	0	0	0	0
## 92	0	NA	0	NA	0
## 93	0	0	0	0	0
## 94	0	NA	0	NA	0
## 95	1	NA	0	NA	0
## 96	1	NA	0	NA	0
## 97	1	NA	0	NA	0
## 98	0	NA	0	NA	0
## 99	1	NA	0	NA	0
## 100	0	0	0	0	0
## 101	0	NA	0	NA	0
## 102	1	NA	0	NA	0
## 103	1	NA	0	NA	0
## 105	0	NA	0	NA	0
## 107	1	NA	0	NA	0
## 108	1	NA	0	NA	0

## 109	0	NA	0	NA	0
## 110	0	NA	0	NA	0
## 112	0	NA	0	NA	0
## 113	1	NA	0	NA	0
## 116	0	NA	0	NA	0
## 118	0	NA	0	NA	0
## 119	0	0	0	0	0
## 120	0	NA	0	NA	0
## 121	0	NA	0	NA	0
## 122	0	NA	0	NA	0
## 123	0	NA	0	NA	0
## 124	0	NA	0	NA	0
## 125	0	NA	0	NA	0
## 126	0	NA	0	NA	0
## 127	0	0	0	0	0
## 128	1	0	0	0	0
## 129	0	0	0	0	0
## 131	0	NA	0	NA	0
## 132	1	0	0	0	0
## 134	1	NA	0	NA	0
## 136	0	NA	0	NA	0
## 137	0	1	1	1	1
## 139	1	NA	0	NA	0
## 140	0	NA	0	NA	0
## 141	1	NA	0	NA	0
## 142	0	0	0	0	0
## 144	0	0	0	0	0
## 146	1	NA	0	NA	0
## 147	0	NA	0	NA	0
## 148	1	0	0	0	0
## 149	0	NA	0	NA	0
## 150	0	0	0	0	0
## 151	1	NA	0	NA	0
## 154	0	NA	0	NA	0
## 155	1	0	0	0	0
## 156	0	NA	0	NA	0
## 157	1	NA	0	NA	0
## 158	1	0	0	0	0
## 159	0	0	0	0	0
## 160	0	NA	0	NA	0
## 161	1	0	0	0	0
## 162	1	NA	0	NA	0
## 163	1	0	0	0	0
## 164	1	0	0	0	0
## 166	0	NA	0	NA	0
## 167	0	NA	0	NA	0
## 168	0	NA	0	NA	0
## 169	0	0	0	0	0
## 170	1	0	0	0	0
## 171	1	0	0	0	0
## 172	0	NA	0	NA	0
## 174	1	0	0	0	0
## 175	0	NA	0	NA	0
## 176	1	NA	0	NA	0

## 177	0	0	0	0	0
## 179	1	NA	0	NA	0
## 180	1	NA	0	NA	0
## 181	0	0	0	0	0
## 183	0	NA	0	NA	0
## 184	0	NA	0	NA	0
## 185	0	0	0	0	0
## 186	1	0	0	0	0
## 188	0	NA	0	NA	0
## 190	1	NA	0	NA	0
## 193	1	0	0	0	0
## 194	0	0	0	0	0
## 195	0	NA	0	NA	0
## 196	0	0	0	0	0
## 198	0	NA	0	NA	0
## 199	0	NA	0	NA	0
## 200	1	NA	0	NA	0
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## 203	0	0	0	0	0
## 204	0	0	0	0	0
## 205	0	0	0	0	0
## 206	0	NA	0	NA	0
## 209	1	0	0	0	0
## 210	0	0	0	0	0
## 211	0	NA	0	NA	0
## 212	0	0	0	0	0
## 214	0	NA	0	NA	0
## 215	1	NA	0	NA	0
## 216	0	0	0	0	0
## 217	0	0	0	0	0
## 218	0	NA	0	NA	0
## 220	1	NA	0	NA	0
## 222	0	NA	0	NA	0
## 223	0	NA	0	NA	0
## 224	0	0	0	0	0
## 225	0	0	0	0	0
## 226	0	0	0	0	0
## 227	0	0	0	0	0
## 228	1	0	0	0	0
## 229	0	1	1	0	0
## 230	0	0	0	0	0
## 231	0	0	0	0	0
## 232	1	0	0	0	0
## 233	0	NA	0	NA	0
## 234	0	NA	0	NA	0
## 236	0	0	0	0	0
## 238	0	NA	0	NA	0
## 239	0	NA	0	NA	0
##	chf_nyha_iv.1	chf_nyha_ltiv.1	chf_nyha_iv_r.1	chf_nyha_ltiv_r.1	smoker_r.1
## 1	0	0	0	0	0
## 2	0	0	0	0	0
## 3	0	0	0	0	0
## 4	0	0	0	0	0
## 5	0	0	0	0	0

## 6	0	0	0	0	0
## 7	0	0	0	0	0
## 8	0	0	0	0	0
## 10	0	0	0	0	0
## 11	0	1	0	1	0
## 12	0	0	0	0	0
## 13	0	0	0	0	0
## 14	0	0	0	0	0
## 16	0	0	0	0	0
## 17	0	0	0	0	0
## 18	0	0	0	0	0
## 19	0	0	0	0	0
## 20	0	0	0	0	0
## 21	1	0	1	0	0
## 23	0	1	0	1	0
## 25	NA	0	0	0	0
## 26	0	0	0	0	0
## 27	0	0	0	0	0
## 28	0	0	0	0	0
## 29	0	0	0	0	0
## 30	0	0	0	0	0
## 33	0	0	0	0	0
## 34	0	0	0	0	1
## 35	0	0	0	0	1
## 36	0	0	0	0	0
## 37	0	0	0	0	0
## 38	0	0	0	0	0
## 39	0	0	0	0	0
## 40	0	0	0	0	0
## 41	0	0	0	0	0
## 43	0	0	0	0	0
## 44	0	0	0	0	0
## 45	0	0	0	0	0
## 46	0	0	0	0	0
## 47	0	0	0	0	0
## 48	0	0	0	0	0
## 49	0	0	0	0	0
## 50	0	0	0	0	0
## 51	NA	0	0	0	0
## 52	0	0	0	0	0
## 54	0	0	0	0	0
## 55	0	0	0	0	0
## 56	0	0	0	0	0
## 57	0	0	0	0	0
## 58	0	0	0	0	0
## 59	0	0	0	0	1
## 60	0	0	0	0	0
## 62	0	0	0	0	0
## 65	0	0	0	0	0
## 67	0	0	0	0	0
## 68	0	0	0	0	0
## 69	0	0	0	0	1
## 70	0	0	0	0	0
## 71	0	0	0	0	1

## 72	0	0	0	0	0
## 73	0	0	0	0	0
## 74	0	0	0	0	0
## 75	0	0	0	0	0
## 76	0	0	0	0	0
## 77	0	0	0	0	0
## 79	1	0	1	0	1
## 80	0	0	0	0	0
## 81	0	0	0	0	1
## 83	0	0	0	0	0
## 87	0	0	0	0	0
## 88	0	0	0	0	0
## 89	0	0	0	0	1
## 90	0	0	0	0	1
## 91	0	0	0	0	1
## 92	0	0	0	0	0
## 93	0	NA	0	0	0
## 94	0	0	0	0	1
## 95	0	0	0	0	1
## 96	0	0	0	0	0
## 97	0	0	0	0	0
## 98	0	0	0	0	0
## 99	0	0	0	0	0
## 100	0	0	0	0	0
## 101	0	0	0	0	0
## 102	0	0	0	0	0
## 103	0	0	0	0	1
## 105	0	0	0	0	0
## 107	0	0	0	0	0
## 108	0	0	0	0	0
## 109	0	0	0	0	0
## 110	0	0	0	0	0
## 112	0	0	0	0	0
## 113	0	0	0	0	0
## 116	0	0	0	0	0
## 118	0	0	0	0	0
## 119	0	0	0	0	1
## 120	0	0	0	0	0
## 121	0	0	0	0	0
## 122	0	0	0	0	0
## 123	0	0	0	0	0
## 124	0	0	0	0	0
## 125	0	0	0	0	0
## 126	0	0	0	0	0
## 127	0	0	0	0	1
## 128	0	0	0	0	0
## 129	0	0	0	0	0
## 131	0	0	0	0	0
## 132	0	0	0	0	0
## 134	0	0	0	0	0
## 136	0	0	0	0	1
## 137	0	0	0	0	0
## 139	0	0	0	0	0
## 140	0	0	0	0	0

## 141	0	0	0	0	1
## 142	0	0	0	0	1
## 144	0	0	0	0	0
## 146	0	0	0	0	1
## 147	0	0	0	0	1
## 148	0	0	0	0	0
## 149	0	0	0	0	1
## 150	0	0	0	0	0
## 151	0	0	0	0	0
## 154	0	0	0	0	1
## 155	0	0	0	0	0
## 156	0	0	0	0	0
## 157	0	0	0	0	1
## 158	0	0	0	0	0
## 159	0	0	0	0	0
## 160	0	0	0	0	0
## 161	0	0	0	0	0
## 162	0	0	0	0	1
## 163	0	0	0	0	0
## 164	0	0	0	0	0
## 166	0	0	0	0	0
## 167	0	0	0	0	0
## 168	0	0	0	0	0
## 169	0	0	0	0	0
## 170	0	0	0	0	0
## 171	0	0	0	0	0
## 172	0	0	0	0	0
## 174	0	0	0	0	0
## 175	0	0	0	0	0
## 176	0	0	0	0	1
## 177	0	0	0	0	1
## 179	0	0	0	0	0
## 180	0	0	0	0	0
## 181	0	0	0	0	0
## 183	0	0	0	0	0
## 184	0	0	0	0	0
## 185	0	0	0	0	0
## 186	0	0	0	0	0
## 188	0	0	0	0	0
## 190	0	0	0	0	1
## 193	0	0	0	0	0
## 194	0	0	0	0	0
## 195	0	0	0	0	0
## 196	NA	0	0	0	0
## 198	0	0	0	0	0
## 199	0	1	0	1	1
## 200	0	0	0	0	0
## 202	0	0	0	0	0
## 203	0	0	0	0	0
## 204	0	0	0	0	0
## 205	0	0	0	0	0
## 206	0	0	0	0	0
## 209	0	0	0	0	1
## 210	0	0	0	0	0

## 211	0	0	0	0	0	0
## 212	0	0	0	0	0	0
## 214	0	0	0	0	0	1
## 215	0	0	0	0	0	1
## 216	0	0	0	0	0	0
## 217	0	0	0	0	0	0
## 218	0	0	0	0	0	1
## 220	0	0	0	0	0	0
## 222	0	0	0	0	0	0
## 223	0	0	0	0	0	1
## 224	0	0	0	0	0	0
## 225	0	0	0	0	0	0
## 226	0	0	0	0	0	0
## 227	0	0	0	0	0	0
## 228	0	0	0	0	0	0
## 229	0	0	0	0	0	1
## 230	0	0	0	0	0	0
## 231	0	0	0	0	0	0
## 232	0	0	0	0	0	0
## 233	0	0	0	0	0	0
## 234	0	0	0	0	0	1
## 236	1	0	1	0	0	0
## 238	0	0	0	0	0	1
## 239	0	0	0	0	0	1
##	cvd.1	cvd_r.1	htcm_d.1	htcm_r.1	htcm_d_r.1	mitral_insuff.1
## 1	0	0	17	175.00	17	1
## 2	0	0	16	168.00	16	NA
## 3	0	0	17	173.00	17	NA
## 4	1	1	17	175.00	17	NA
## 5	0	0	19	193.00	19	0
## 6	0	0	18	183.00	18	NA
## 7	0	0	18	185.00	18	0
## 8	0	0	17	173.00	17	NA
## 10	0	0	17	171.00	17	NA
## 11	0	0	15	150.00	15	1
## 12	0	0	17	173.00	17	NA
## 13	0	0	16	168.00	16	NA
## 14	0	0	18	180.00	18	0
## 16	0	0	17	173.00	17	NA
## 17	0	0	17	175.00	17	NA
## 18	0	0	17	178.00	17	NA
## 19	0	0	17	178.00	17	NA
## 20	0	0	17	178.00	17	NA
## 21	0	0	17	175.00	17	NA
## 23	0	0	18	184.00	18	0
## 25	1	1	17	177.00	17	0
## 26	0	0	18	182.00	18	NA
## 27	0	0	18	182.00	18	NA
## 28	0	0	18	183.00	18	NA
## 29	0	0	18	180.00	18	NA
## 30	0	0	17	175.00	17	0
## 33	1	1	17	173.00	17	NA
## 34	0	0	18	180.00	18	NA
## 35	0	0	18	188.00	18	NA

## 36	0	0	16	167.00	16	0
## 37	0	0	17	170.00	17	0
## 38	0	0	18	182.00	18	0
## 39	1	1	17	170.00	17	0
## 40	1	1	17	170.00	17	0
## 41	0	0	16	167.00	16	NA
## 43	0	0	18	180.00	18	NA
## 44	1	1	18	180.00	18	NA
## 45	0	0	17	178.00	17	NA
## 46	1	1	17	178.00	17	NA
## 47	0	0	16	165.00	16	0
## 48	0	0	17	172.72	17	0
## 49	0	0	17	177.00	17	NA
## 50	0	0	18	180.00	18	NA
## 51	1	1	17	178.00	17	NA
## 52	0	0	18	183.00	18	0
## 54	0	0	17	170.00	17	0
## 55	1	1	19	191.00	19	NA
## 56	1	1	17	173.00	17	NA
## 57	1	1	16	168.00	16	NA
## 58	0	0	17	178.00	17	NA
## 59	0	0	17	170.00	17	NA
## 60	0	0	17	178.00	17	NA
## 62	0	0	17	175.00	17	NA
## 65	0	0	16	168.00	16	0
## 67	0	0	18	183.00	18	NA
## 68	0	0	17	179.87	17	0
## 69	0	0	17	172.00	17	NA
## 70	0	0	17	175.00	17	NA
## 71	0	0	17	173.00	17	NA
## 72	0	0	17	175.00	17	NA
## 73	0	0	18	182.00	18	NA
## 74	0	0	17	173.00	17	NA
## 75	0	0	17	172.00	17	NA
## 76	1	1	17	170.00	17	0
## 77	0	0	NA	175.00	17	NA
## 79	1	1	17	178.13	17	1
## 80	0	0	17	173.00	17	NA
## 81	0	0	18	185.00	18	0
## 83	0	0	17	178.00	17	0
## 87	1	1	17	177.00	17	NA
## 88	0	0	16	168.00	16	NA
## 89	0	0	16	165.00	16	0
## 90	0	0	17	178.00	17	NA
## 91	0	0	17	179.00	17	0
## 92	0	0	17	175.00	17	NA
## 93	0	0	17	170.00	17	0
## 94	0	0	17	170.00	17	NA
## 95	0	0	17	174.00	17	NA
## 96	1	1	16	166.00	16	NA
## 97	0	0	17	173.00	17	NA
## 98	0	0	17	178.00	17	NA
## 99	0	0	18	183.00	18	NA
## 100	1	1	17	178.00	17	0

## 101	0	0	16	166.00	16	NA
## 102	0	0	16	163.00	16	NA
## 103	0	0	18	180.00	18	NA
## 105	0	0	17	170.00	17	NA
## 107	0	0	16	168.00	16	NA
## 108	0	0	17	170.00	17	NA
## 109	1	1	17	175.20	17	NA
## 110	0	0	16	163.00	16	NA
## 112	0	0	17	175.00	17	NA
## 113	0	0	16	168.00	16	NA
## 116	1	1	18	188.00	18	NA
## 118	0	0	18	183.00	18	NA
## 119	0	0	19	190.00	19	0
## 120	1	1	16	167.00	16	NA
## 121	1	1	17	178.00	17	NA
## 122	0	0	18	183.00	18	NA
## 123	0	0	18	183.00	18	NA
## 124	0	0	19	193.00	19	NA
## 125	0	0	17	175.00	17	NA
## 126	1	1	19	198.00	19	NA
## 127	0	0	18	185.00	18	0
## 128	0	0	17	170.00	17	0
## 129	0	0	17	170.00	17	0
## 131	0	0	17	178.00	17	NA
## 132	0	0	17	176.00	17	0
## 134	0	0	18	185.00	18	NA
## 136	0	0	18	183.00	18	NA
## 137	0	0	16	167.00	16	0
## 139	1	1	17	170.00	17	NA
## 140	0	0	17	170.00	17	NA
## 141	0	0	18	185.00	18	NA
## 142	1	1	18	182.00	18	0
## 144	0	0	16	164.00	16	0
## 146	1	1	17	175.00	17	NA
## 147	0	0	18	183.00	18	NA
## 148	0	0	17	177.00	17	0
## 149	0	0	18	183.00	18	NA
## 150	0	0	17	175.00	17	0
## 151	1	1	17	170.00	17	NA
## 154	0	0	18	180.00	18	NA
## 155	0	0	16	168.00	16	0
## 156	0	0	17	171.00	17	NA
## 157	0	0	18	185.00	18	NA
## 158	0	0	17	171.00	17	0
## 159	0	0	17	170.00	17	0
## 160	0	0	16	168.00	16	NA
## 161	0	0	17	175.00	17	0
## 162	0	0	17	175.00	17	NA
## 163	0	0	17	175.00	17	0
## 164	0	0	16	168.00	16	0
## 166	0	0	17	175.00	17	NA
## 167	0	0	17	175.00	17	NA
## 168	0	0	18	185.00	18	NA
## 169	0	0	17	170.00	17	1

## 170	1	1	15	153.00	15	0
## 171	0	0	18	182.00	18	0
## 172	0	0	17	172.50	17	NA
## 174	0	0	18	180.01	18	0
## 175	1	1	17	175.00	17	NA
## 176	1	1	16	163.00	16	NA
## 177	0	0	18	184.10	18	0
## 179	1	1	18	180.00	18	NA
## 180	0	0	17	178.00	17	NA
## 181	0	0	17	174.00	17	0
## 183	0	0	18	188.00	18	NA
## 184	0	0	16	163.00	16	NA
## 185	0	0	17	170.00	17	0
## 186	0	0	17	174.00	17	0
## 188	0	0	18	185.00	18	NA
## 190	0	0	19	196.00	19	NA
## 193	0	0	16	168.00	16	0
## 194	1	1	16	166.00	16	0
## 195	0	0	18	185.00	18	NA
## 196	0	0	18	184.00	18	0
## 198	0	0	18	180.00	18	NA
## 199	0	0	18	183.00	18	NA
## 200	1	1	17	178.00	17	NA
## 202	0	0	17	179.00	17	0
## 203	1	1	17	174.00	17	0
## 204	1	1	17	174.00	17	0
## 205	0	0	17	178.00	17	0
## 206	0	0	17	173.00	17	NA
## 209	0	0	17	177.00	17	0
## 210	0	0	16	167.00	16	0
## 211	1	1	18	183.00	18	NA
## 212	0	0	16	167.00	16	0
## 214	1	1	17	173.00	17	NA
## 215	0	0	16	165.00	16	NA
## 216	0	0	18	183.00	18	0
## 217	0	0	17	173.00	17	0
## 218	0	0	16	165.00	16	NA
## 220	0	0	17	178.00	17	NA
## 222	0	0	18	188.00	18	NA
## 223	1	1	18	180.00	18	NA
## 224	0	0	16	167.00	16	0
## 225	0	0	17	177.00	17	0
## 226	0	0	17	175.00	17	0
## 227	0	0	17	176.00	17	0
## 228	1	1	16	169.00	16	0
## 229	0	0	18	183.00	18	NA
## 230	0	0	18	186.00	18	0
## 231	0	0	17	176.00	17	0
## 232	0	0	17	174.00	17	0
## 233	0	0	18	180.00	18	NA
## 234	0	0	17	178.00	17	NA
## 236	0	0	17	173.13	17	0
## 238	0	0	16	164.00	16	NA
## 239	0	0	17	170.00	17	NA

##	mitral_insuff_r.1	carotid_sten.1	carotid_sten_r.1	pvd.1	pvd_r.1
## 1	1	NA	0	0	0
## 2	0	0	0	0	0
## 3	0	0	0	0	0
## 4	0	0	0	0	0
## 5	0	NA	0	0	0
## 6	0	0	0	0	0
## 7	0	NA	0	0	0
## 8	0	0	0	0	0
## 10	0	0	0	0	0
## 11	1	NA	0	0	0
## 12	0	0	0	0	0
## 13	0	1	1	0	0
## 14	0	NA	0	0	0
## 16	0	0	0	0	0
## 17	0	0	0	0	0
## 18	0	0	0	0	0
## 19	0	0	0	0	0
## 20	0	0	0	0	0
## 21	0	0	0	0	0
## 23	0	NA	0	0	0
## 25	0	NA	0	1	1
## 26	0	0	0	1	1
## 27	0	0	0	0	0
## 28	0	0	0	0	0
## 29	0	0	0	0	0
## 30	0	NA	0	0	0
## 33	0	1	1	0	0
## 34	0	0	0	0	0
## 35	0	0	0	0	0
## 36	0	NA	0	0	0
## 37	0	NA	0	0	0
## 38	0	NA	0	0	0
## 39	0	NA	0	0	0
## 40	0	NA	0	0	0
## 41	0	0	0	0	0
## 43	0	0	0	0	0
## 44	0	1	1	0	0
## 45	0	0	0	0	0
## 46	0	1	1	0	0
## 47	0	NA	0	0	0
## 48	0	0	0	0	0
## 49	0	0	0	0	0
## 50	0	0	0	0	0
## 51	0	1	1	1	1
## 52	0	NA	0	1	1
## 54	0	NA	0	0	0
## 55	0	0	0	0	0
## 56	0	0	0	0	0
## 57	0	0	0	0	0
## 58	0	0	0	0	0
## 59	0	0	0	1	1
## 60	0	0	0	0	0
## 62	0	0	0	0	0

## 65	0	NA	0	0	0
## 67	0	0	0	0	0
## 68	0	0	0	0	0
## 69	0	0	0	0	0
## 70	0	0	0	0	0
## 71	0	0	0	0	0
## 72	0	0	0	0	0
## 73	0	0	0	1	1
## 74	0	0	0	0	0
## 75	0	0	0	0	0
## 76	0	NA	0	0	0
## 77	0	0	0	0	0
## 79	1	0	0	1	1
## 80	0	0	0	0	0
## 81	0	NA	0	0	0
## 83	0	NA	0	0	0
## 87	0	1	1	0	0
## 88	0	0	0	0	0
## 89	0	0	0	0	0
## 90	0	0	0	0	0
## 91	0	NA	0	0	0
## 92	0	0	0	0	0
## 93	0	NA	0	0	0
## 94	0	0	0	0	0
## 95	0	0	0	0	0
## 96	0	1	1	0	0
## 97	0	0	0	0	0
## 98	0	0	0	0	0
## 99	0	0	0	0	0
## 100	0	NA	0	0	0
## 101	0	0	0	0	0
## 102	0	0	0	0	0
## 103	0	0	0	0	0
## 105	0	0	0	0	0
## 107	0	0	0	0	0
## 108	0	0	0	0	0
## 109	0	0	0	0	0
## 110	0	0	0	0	0
## 112	0	0	0	0	0
## 113	0	0	0	0	0
## 116	0	1	1	0	0
## 118	0	0	0	1	1
## 119	0	NA	0	0	0
## 120	0	1	1	0	0
## 121	0	0	0	0	0
## 122	0	0	0	0	0
## 123	0	0	0	0	0
## 124	0	0	0	1	1
## 125	0	0	0	0	0
## 126	0	1	1	1	1
## 127	0	NA	0	0	0
## 128	0	NA	0	0	0
## 129	0	0	0	0	0
## 131	0	0	0	0	0

## 132	0	NA	0	0	0
## 134	0	0	0	0	0
## 136	0	0	0	0	0
## 137	0	NA	0	0	0
## 139	0	1	1	0	0
## 140	0	0	0	0	0
## 141	0	0	0	0	0
## 142	0	NA	0	1	1
## 144	0	NA	0	0	0
## 146	0	1	1	0	0
## 147	0	0	0	0	0
## 148	0	NA	0	0	0
## 149	0	0	0	0	0
## 150	0	NA	0	0	0
## 151	0	1	1	0	0
## 154	0	0	0	1	1
## 155	0	NA	0	0	0
## 156	0	0	0	0	0
## 157	0	1	1	1	1
## 158	0	NA	0	0	0
## 159	0	NA	0	0	0
## 160	0	0	0	0	0
## 161	0	NA	0	0	0
## 162	0	0	0	0	0
## 163	0	NA	0	0	0
## 164	0	NA	0	0	0
## 166	0	0	0	0	0
## 167	0	0	0	0	0
## 168	0	0	0	0	0
## 169	1	0	0	0	0
## 170	0	NA	0	0	0
## 171	0	NA	0	0	0
## 172	0	0	0	0	0
## 174	0	0	0	0	0
## 175	0	1	1	0	0
## 176	0	0	0	0	0
## 177	0	0	0	0	0
## 179	0	1	1	0	0
## 180	0	0	0	0	0
## 181	0	NA	0	0	0
## 183	0	0	0	0	0
## 184	0	0	0	0	0
## 185	0	NA	0	0	0
## 186	0	NA	0	0	0
## 188	0	0	0	0	0
## 190	0	0	0	0	0
## 193	0	NA	0	0	0
## 194	0	NA	0	1	1
## 195	0	0	0	0	0
## 196	0	NA	0	0	0
## 198	0	0	0	0	0
## 199	0	0	0	1	1
## 200	0	1	1	1	1
## 202	0	NA	0	0	0

## 203	0	NA	0	0	0
## 204	0	NA	0	1	1
## 205	0	NA	0	1	1
## 206	0	0	0	0	0
## 209	0	NA	0	1	1
## 210	0	NA	0	0	0
## 211	0	1	1	0	0
## 212	0	NA	0	0	0
## 214	0	1	1	1	1
## 215	0	0	0	0	0
## 216	0	NA	0	0	0
## 217	0	0	0	0	0
## 218	0	0	0	0	0
## 220	0	0	0	0	0
## 222	0	0	0	0	0
## 223	0	0	0	1	1
## 224	0	NA	0	0	0
## 225	0	NA	0	0	0
## 226	0	NA	0	0	0
## 227	0	NA	0	0	0
## 228	0	NA	0	1	1
## 229	0	0	0	0	0
## 230	0	NA	0	0	0
## 231	0	NA	0	1	1
## 232	0	NA	0	0	0
## 233	0	0	0	0	0
## 234	0	0	0	1	1
## 236	0	0	0	0	0
## 238	0	0	0	1	1
## 239	0	0	0	0	0
##	tricuspid_insupf.1	tricuspid_insupf_r.1	bmi_squared.1	bmi_r.1	bmi_squared_r.1
## 1	0	0	825.6826	28.73469	825.6826
## 2	NA	0	1868.4546	43.22562	1868.4546
## 3	NA	0	904.2752	30.07117	904.2752
## 4	NA	0	716.9279	26.77551	716.9280
## 5	0	0	904.0799	30.06792	904.0798
## 6	NA	0	1553.6154	39.41593	1553.6154
## 7	0	0	1168.6509	34.18554	1168.6509
## 8	NA	0	787.7241	28.06642	787.7241
## 10	NA	0	693.4210	26.33289	693.4211
## 11	0	0	1427.1605	37.77778	1427.1605
## 12	NA	0	644.8264	25.39343	644.8263
## 13	NA	0	753.9912	27.45890	753.9912
## 14	0	0	1237.9973	35.18518	1237.9972
## 16	NA	0	924.4818	30.40529	924.4818
## 17	NA	0	648.6897	25.46939	648.6897
## 18	NA	0	996.1391	31.56167	996.1392
## 19	NA	0	1285.5135	35.85406	1285.5134
## 20	NA	0	771.4101	27.77427	771.4102
## 21	NA	0	982.6305	31.34694	982.6306
## 23	0	0	855.0649	29.24149	855.0649
## 25	0	0	1018.8422	31.91931	1018.8422
## 26	NA	0	1082.8479	32.90665	1082.8479
## 27	NA	0	643.0919	25.35926	643.0919

## 28	NA	0	570.6576	23.88844	570.6576
## 29	NA	0	795.7971	28.20988	795.7972
## 30	0	0	1003.2087	31.67347	1003.2087
## 33	NA	0	750.6600	27.39818	750.6600
## 34	NA	0	309.4993	17.59259	309.4993
## 35	NA	0	474.6244	21.78588	474.6244
## 36	0	0	950.8916	30.83653	950.8916
## 37	0	0	728.4396	26.98962	728.4396
## 38	0	0	822.5488	28.68011	822.5488
## 39	0	0	728.4396	26.98962	728.4396
## 40	0	0	747.2372	27.33564	747.2372
## 41	NA	0	1136.0300	33.70504	1136.0300
## 43	NA	0	806.2795	28.39506	806.2795
## 44	NA	0	656.2452	25.61728	656.2453
## 45	NA	0	899.0156	29.98359	899.0155
## 46	NA	0	545.4858	23.35564	545.4858
## 47	0	0	779.2762	27.91552	779.2763
## 48	0	0	843.4636	29.04244	843.4636
## 49	NA	0	825.2622	28.72738	825.2622
## 50	NA	0	1634.7546	40.43210	1634.7546
## 51	NA	0	844.9660	29.06830	844.9661
## 52	0	0	599.5472	24.48565	599.5472
## 54	0	0	991.4872	31.48789	991.4871
## 55	NA	0	663.9299	25.76684	663.9299
## 56	NA	0	741.5336	27.23111	741.5336
## 57	NA	0	972.1387	31.17914	972.1387
## 58	NA	0	669.8040	25.88057	669.8040
## 59	NA	0	682.4930	26.12457	682.4930
## 60	NA	0	702.8757	26.51180	702.8758
## 62	NA	0	682.3823	26.12245	682.3824
## 65	0	0	2220.5786	47.12302	2220.5786
## 67	NA	0	2340.0530	48.37409	2340.0527
## 68	0	0	626.4995	25.02997	626.4994
## 69	NA	0	1259.6932	35.49216	1259.6932
## 70	NA	0	770.3457	27.75510	770.3457
## 71	NA	0	924.4818	30.40529	924.4818
## 72	NA	0	1198.0074	34.61224	1198.0074
## 73	NA	0	911.4114	30.18959	911.4114
## 74	NA	0	904.2752	30.07117	904.2752
## 75	NA	0	1762.5011	41.98215	1762.5010
## 76	0	0	747.2372	27.33564	747.2372
## 77	NA	0	NA	29.04244	843.4636
## 79	0	0	558.9922	23.64302	558.9923
## 80	NA	0	575.5254	23.99011	575.5254
## 81	0	0	706.9617	26.58875	706.9617
## 83	0	0	861.5607	29.35235	861.5607
## 87	NA	0	736.1135	27.13141	736.1135
## 88	NA	0	864.8067	29.40760	864.8068
## 89	0	0	570.0211	23.87511	570.0211
## 90	NA	0	764.4133	27.64802	764.4132
## 91	0	0	1136.1493	33.70681	1136.1493
## 92	NA	0	1220.7180	34.93877	1220.7179
## 93	0	0	505.8608	22.49135	505.8608
## 94	NA	0	805.0670	28.37370	805.0670

## 95	NA	0	630.1301	25.10239	630.1301
## 96	NA	0	821.9054	28.66889	821.9053
## 97	NA	0	1661.6335	40.76314	1661.6334
## 98	NA	0	956.6920	30.93044	956.6921
## 99	NA	0	593.7122	24.36621	593.7122
## 100	0	0	880.1885	29.66797	880.1885
## 101	NA	0	601.8123	24.53186	601.8123
## 102	NA	0	940.9462	30.67485	940.9462
## 103	NA	0	877.9150	29.62963	877.9149
## 105	NA	0	1173.4773	34.25605	1173.4772
## 107	NA	0	632.8191	25.15590	632.8191
## 108	NA	0	937.7582	30.62284	937.7582
## 109	NA	0	593.8364	24.36876	593.8363
## 110	NA	0	635.9152	25.21736	635.9151
## 112	NA	0	599.7501	24.48980	599.7501
## 113	NA	0	1016.8289	31.88775	1016.8289
## 116	NA	0	829.5912	28.80263	829.5912
## 118	NA	0	475.1616	21.79820	475.1616
## 119	0	0	580.7966	24.09972	580.7967
## 120	NA	0	973.1340	31.19509	973.1340
## 121	NA	0	819.4728	28.62644	819.4728
## 122	NA	0	515.0185	22.69402	515.0185
## 123	NA	0	659.4662	25.68007	659.4662
## 124	NA	0	508.5449	22.55094	508.5449
## 125	NA	0	537.4827	23.18367	537.4827
## 126	NA	0	794.4449	28.18590	794.4449
## 127	0	0	836.7264	28.92622	836.7264
## 128	0	0	1345.2904	36.67820	1345.2903
## 129	0	0	969.8160	31.14187	969.8160
## 131	NA	0	686.2402	26.19619	686.2402
## 132	0	0	901.3951	30.02324	901.3951
## 134	NA	0	1148.7594	33.89335	1148.7594
## 136	NA	0	787.8641	28.06892	787.8642
## 137	0	0	843.5371	29.04371	843.5371
## 139	NA	0	1295.0037	35.98616	1295.0038
## 140	NA	0	1197.3037	34.60208	1197.3037
## 141	NA	0	1051.8627	32.43243	1051.8628
## 142	0	0	499.0889	22.34030	499.0889
## 144	0	0	658.1468	25.65437	658.1468
## 146	NA	0	615.8500	24.81633	615.8500
## 147	NA	0	738.3774	27.17310	738.3774
## 148	0	0	557.9180	23.62029	557.9180
## 149	NA	0	629.1500	25.08286	629.1500
## 150	0	0	682.3823	26.12245	682.3824
## 151	NA	0	906.2391	30.10381	906.2391
## 154	NA	0	1281.8168	35.80247	1281.8167
## 155	0	0	706.1312	26.57313	706.1312
## 156	NA	0	1314.0966	36.25047	1314.0966
## 157	NA	0	765.6196	27.66983	765.6196
## 158	0	0	606.2902	24.62296	606.2902
## 159	0	0	766.2744	27.68166	766.2744
## 160	NA	0	1095.1072	33.09240	1095.1072
## 161	0	0	734.5206	27.10204	734.5206
## 162	NA	0	1220.7180	34.93877	1220.7179

## 163	0	0	734.5206	27.10204	734.5206
## 164	0	0	546.8280	23.38435	546.8280
## 166	NA	0	1087.6534	32.97959	1087.6534
## 167	NA	0	825.6826	28.73469	825.6826
## 168	NA	0	905.7066	30.09496	905.7065
## 169	0	0	603.5608	24.56747	603.5608
## 170	0	0	1612.4639	40.15550	1612.4637
## 171	0	0	597.9770	24.45357	597.9770
## 172	NA	0	1078.0345	32.83344	1078.0347
## 174	0	0	704.3856	26.54026	704.3855
## 175	NA	0	568.1899	23.83674	568.1899
## 176	NA	0	818.2326	28.60477	818.2326
## 177	0	0	1426.2800	37.76612	1426.2799
## 179	NA	0	507.6398	22.53086	507.6399
## 180	NA	0	530.8425	23.04002	530.8425
## 181	0	0	1179.9666	34.35064	1179.9664
## 183	NA	0	832.8541	28.85921	832.8542
## 184	NA	0	1972.4845	44.41266	1972.4846
## 185	0	0	844.8174	29.06574	844.8175
## 186	0	0	923.3762	30.38711	923.3762
## 188	NA	0	786.7841	28.04967	786.7841
## 190	NA	0	880.6137	29.67514	880.6137
## 193	0	0	972.1387	31.17914	972.1387
## 194	0	0	682.7043	26.12861	682.7043
## 195	NA	0	923.3785	30.38714	923.3785
## 196	0	0	925.5570	30.42297	925.5570
## 198	NA	0	933.6420	30.55555	933.6420
## 199	NA	0	787.8641	28.06892	787.8642
## 200	NA	0	996.1391	31.56167	996.1392
## 202	0	0	1288.2008	35.89151	1288.2008
## 203	0	0	698.2050	26.42357	698.2051
## 204	0	0	613.6568	24.77210	613.6568
## 205	0	0	1036.3832	32.19291	1036.3832
## 206	NA	0	793.3608	28.16666	793.3608
## 209	0	0	843.7033	29.04657	843.7033
## 210	0	0	1111.9878	33.34648	1111.9878
## 211	NA	0	1001.8608	31.65218	1001.8607
## 212	0	0	1184.8860	34.42217	1184.8860
## 214	NA	0	965.5649	31.07354	965.5650
## 215	NA	0	623.8527	24.97704	623.8527
## 216	0	0	738.3774	27.17310	738.3774
## 217	0	0	924.4818	30.40529	924.4818
## 218	NA	0	940.6697	30.67034	940.6697
## 220	NA	0	637.5290	25.24934	637.5290
## 222	NA	0	1022.1755	31.97148	1022.1755
## 223	NA	0	608.1399	24.66049	608.1399
## 224	0	0	762.2818	27.60945	762.2818
## 225	0	0	1210.4865	34.79205	1210.4865
## 226	0	0	716.9279	26.77551	716.9280
## 227	0	0	617.9179	24.85795	617.9179
## 228	0	0	566.8537	23.80869	566.8538
## 229	NA	0	690.4957	26.27728	690.4957
## 230	0	0	691.8804	26.30362	691.8804
## 231	0	0	980.6020	31.31457	980.6020

## 232	0	0	680.8590	26.09327	680.8590	
## 233	NA	0	1090.6302	33.02469	1090.6304	
## 234	NA	0	719.7105	26.82742	719.7105	
## 236	0	0	1158.4606	34.03616	1158.4604	
## 238	NA	0	819.6077	28.62879	819.6077	
## 239	NA	0	620.6822	24.91349	620.6822	
##	novsl_r.1	readmit_1y_yn_state.1	anyakin.1	creatcat.1	lm50.1	anymssd.1
## 1	3	1	1	1	1	0
## 2	2	1	0	0	1	0
## 3	3	0	0	0	0	0
## 4	3	0	0	0	1	0
## 5	2	0	1	2	0	0
## 6	2	0	0	0	0	0
## 7	3	1	1	0	0	0
## 8	2	0	0	0	0	0
## 10	3	0	0	0	1	0
## 11	3	0	0	0	1	0
## 12	3	0	0	0	0	0
## 13	2	0	1	1	0	0
## 14	1	0	1	0	0	0
## 16	3	1	1	0	0	0
## 17	3	0	0	0	0	0
## 18	2	0	1	0	1	0
## 19	3	0	0	0	1	0
## 20	2	1	0	0	0	0
## 21	3	0	1	1	0	1
## 23	3	0	0	0	0	0
## 25	3	0	0	0	0	0
## 26	2	0	1	1	1	0
## 27	2	0	0	0	0	0
## 28	1	1	1	1	0	0
## 29	2	0	1	1	0	0
## 30	3	0	1	1	1	0
## 33	3	0	0	0	0	0
## 34	3	0	0	0	0	0
## 35	3	0	0	0	0	0
## 36	2	1	1	1	1	0
## 37	2	0	0	0	0	0
## 38	1	0	0	0	0	0
## 39	2	0	0	0	0	0
## 40	3	0	1	0	0	0
## 41	2	0	0	0	0	0
## 43	3	1	1	0	1	0
## 44	3	0	0	0	0	0
## 45	3	0	0	0	1	0
## 46	1	0	0	0	0	0
## 47	3	0	1	1	1	0
## 48	3	0	0	0	0	0
## 49	1	1	0	0	0	0
## 50	1	1	1	0	0	0
## 51	3	0	1	1	1	0
## 52	2	0	0	0	1	0
## 54	3	0	1	0	0	0
## 55	2	1	1	1	1	0

## 56	3	1	1	0	0	0
## 57	3	1	1	0	1	0
## 58	3	0	0	0	1	0
## 59	3	0	0	0	1	0
## 60	1	0	0	0	0	0
## 62	2	0	0	0	0	0
## 65	2	0	0	0	0	0
## 67	3	0	1	0	1	0
## 68	3	1	0	0	0	0
## 69	3	0	0	0	0	0
## 70	3	0	0	0	1	0
## 71	3	1	0	0	0	0
## 72	3	1	1	0	0	0
## 73	3	0	0	0	0	0
## 74	3	0	1	0	0	0
## 75	2	0	1	0	1	0
## 76	2	0	1	3	0	0
## 77	3	1	0	0	1	0
## 79	3	0	0	0	1	0
## 80	2	0	0	0	0	0
## 81	3	0	0	0	0	0
## 83	2	0	0	0	1	0
## 87	3	0	0	0	1	0
## 88	2	0	0	0	0	0
## 89	2	0	0	0	1	0
## 90	3	0	0	0	0	0
## 91	3	1	1	1	0	0
## 92	3	0	1	0	0	0
## 93	3	0	1	1	0	0
## 94	2	0	1	2	0	0
## 95	3	0	0	0	1	0
## 96	2	0	1	1	1	0
## 97	3	1	0	0	1	0
## 98	3	0	1	0	0	0
## 99	3	0	0	0	1	0
## 100	2	0	0	0	0	0
## 101	2	0	1	1	0	0
## 102	2	0	0	0	1	0
## 103	3	0	0	0	1	0
## 105	2	0	0	0	0	0
## 107	3	0	1	0	1	0
## 108	3	0	1	0	1	0
## 109	2	1	0	0	0	0
## 110	3	0	1	0	0	0
## 112	2	0	0	0	0	0
## 113	3	0	0	0	1	0
## 116	3	0	0	0	0	0
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## 119	1	0	1	0	0	0
## 120	2	0	1	1	0	0
## 121	2	1	1	2	0	0
## 122	3	1	0	0	0	0
## 123	2	1	0	0	0	0
## 124	3	0	1	0	0	0

## 125	3	0	0	0	0	0
## 126	2	0	0	0	0	0
## 127	3	0	0	0	0	0
## 128	2	0	1	0	1	0
## 129	2	0	0	0	0	0
## 131	2	0	0	0	0	0
## 132	3	0	0	0	1	0
## 134	3	0	0	0	1	0
## 136	1	0	0	0	0	0
## 137	3	0	1	1	0	0
## 139	2	0	0	0	1	0
## 140	3	0	0	0	0	0
## 141	2	0	0	0	1	0
## 142	2	0	0	0	0	0
## 144	2	0	1	0	0	0
## 146	3	0	0	0	1	0
## 147	3	0	1	0	0	0
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## 149	2	0	1	2	0	0
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## 156	2	0	1	0	0	0
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## 159	3	1	1	0	0	0
## 160	2	0	1	0	0	0
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## 162	2	0	1	0	1	0
## 163	2	1	0	0	1	0
## 164	3	0	0	0	1	0
## 166	2	0	0	0	0	0
## 167	3	0	0	0	0	0
## 168	3	0	0	0	0	0
## 169	3	0	0	0	0	0
## 170	3	1	1	2	1	0
## 171	3	0	0	0	1	0
## 172	3	0	0	0	0	0
## 174	3	1	1	2	1	0
## 175	3	0	0	0	0	0
## 176	2	0	1	1	1	0
## 177	3	0	1	0	0	0
## 179	3	0	0	0	1	0
## 180	3	0	0	0	1	0
## 181	2	0	0	0	0	0
## 183	3	0	1	0	0	0
## 184	3	0	1	0	0	0
## 185	3	0	1	1	0	0
## 186	3	0	0	0	1	0
## 188	3	1	0	0	0	0
## 190	3	0	0	0	1	0
## 193	3	0	0	0	1	0
## 194	3	0	1	2	0	0

## 195	2			0	1	1	0	0	
## 196	3			0	0	0	0	0	
## 198	3			1	0	0	0	0	
## 199	3			0	0	0	0	0	
## 200	3			1	1	0	1	0	
## 202	3			1	0	0	0	0	
## 203	3			0	1	1	0	0	
## 204	3			1	0	0	0	0	
## 205	2			0	0	0	0	0	
## 206	2			0	0	0	0	0	
## 209	3			0	0	0	1	0	
## 210	3			1	1	2	0	0	
## 211	3			0	0	0	0	0	
## 212	2			0	1	1	0	0	
## 214	2			1	1	1	0	0	
## 215	3			0	0	0	1	0	
## 216	3			0	0	0	0	0	
## 217	2			0	0	0	0	0	
## 218	3			0	1	1	0	0	
## 220	3			0	1	0	1	0	
## 222	2			0	0	0	0	0	
## 223	2			0	0	0	0	0	
## 224	3			0	1	0	0	0	
## 225	3			0	1	0	0	0	
## 226	3			0	0	0	0	0	
## 227	2			0	0	0	0	0	
## 228	2			0	1	3	1	0	
## 229	3			0	0	0	0	0	
## 230	3			0	0	0	0	0	
## 231	3			0	0	0	0	0	
## 232	2			1	1	1	1	1	
## 233	3			0	1	0	0	0	
## 234	3			0	0	0	0	0	
## 236	3			0	1	1	0	0	
## 238	3			0	1	1	0	0	
## 239	3			0	0	0	0	0	
##	lowoutput.1 emerg.1 urg.1 elec.1 bmicat.1 bmi1.1 bmi2.1 bmi3.1 bmi4.1								
## 1	0	1	0	0	3	0	0	1	0
## 2	0	0	0	1	6	0	0	0	0
## 3	0	0	0	1	4	0	0	0	1
## 4	0	0	1	0	3	0	0	1	0
## 5	0	0	0	1	4	0	0	0	1
## 6	0	0	0	1	5	0	0	0	0
## 7	0	0	1	0	4	0	0	0	1
## 8	0	0	0	1	3	0	0	1	0
## 10	0	0	1	0	3	0	0	1	0
## 11	0	0	1	0	5	0	0	0	0
## 12	0	0	0	1	3	0	0	1	0
## 13	0	0	1	0	3	0	0	1	0
## 14	0	0	1	0	5	0	0	0	0
## 16	0	0	1	0	4	0	0	0	1
## 17	0	0	0	1	3	0	0	1	0
## 18	0	0	0	1	4	0	0	0	1
## 19	0	0	1	0	5	0	0	0	0

## 20	0	0	0	1	3	0	0	1	0
## 21	0	0	1	0	4	0	0	0	1
## 23	0	0	1	0	3	0	0	1	0
## 25	0	0	1	0	4	0	0	0	1
## 26	0	0	1	0	4	0	0	0	1
## 27	0	0	0	1	3	0	0	1	0
## 28	0	0	0	1	2	0	1	0	0
## 29	0	0	0	1	3	0	0	1	0
## 30	0	0	0	1	4	0	0	0	1
## 33	0	0	1	0	3	0	0	1	0
## 34	0	0	0	1	1	1	0	0	0
## 35	0	0	1	0	2	0	1	0	0
## 36	0	0	1	0	4	0	0	0	1
## 37	0	0	1	0	3	0	0	1	0
## 38	0	0	1	0	3	0	0	1	0
## 39	0	0	1	0	3	0	0	1	0
## 40	0	0	0	1	3	0	0	1	0
## 41	0	0	0	1	4	0	0	0	1
## 43	0	0	0	1	3	0	0	1	0
## 44	0	0	1	0	3	0	0	1	0
## 45	0	0	1	0	3	0	0	1	0
## 46	0	0	1	0	2	0	1	0	0
## 47	0	0	1	0	3	0	0	1	0
## 48	0	0	1	0	3	0	0	1	0
## 49	0	0	0	1	3	0	0	1	0
## 50	0	0	0	1	6	0	0	0	0
## 51	1	0	0	1	3	0	0	1	0
## 52	0	0	1	0	2	0	1	0	0
## 54	0	0	1	0	4	0	0	0	1
## 55	0	0	0	1	3	0	0	1	0
## 56	0	0	0	1	3	0	0	1	0
## 57	0	0	1	0	4	0	0	0	1
## 58	0	0	1	0	3	0	0	1	0
## 59	0	0	1	0	3	0	0	1	0
## 60	0	0	1	0	3	0	0	1	0
## 62	0	0	0	1	3	0	0	1	0
## 65	0	0	1	0	6	0	0	0	0
## 67	0	0	1	0	6	0	0	0	0
## 68	0	0	1	0	3	0	0	1	0
## 69	0	0	1	0	5	0	0	0	0
## 70	0	0	1	0	3	0	0	1	0
## 71	0	0	1	0	4	0	0	0	1
## 72	0	0	0	1	4	0	0	0	1
## 73	0	0	0	1	4	0	0	0	1
## 74	0	0	0	1	4	0	0	0	1
## 75	0	0	1	0	6	0	0	0	0
## 76	0	0	1	0	3	0	0	1	0
## 77	0	0	1	0	3	0	0	1	0
## 79	0	0	1	0	2	0	1	0	0
## 80	0	0	0	1	2	0	1	0	0
## 81	0	0	1	0	3	0	0	1	0
## 83	0	0	1	0	3	0	0	1	0
## 87	0	0	1	0	3	0	0	1	0
## 88	0	0	0	1	3	0	0	1	0

## 89	0	0	1	0	2	0	1	0	0
## 90	0	0	0	1	3	0	0	1	0
## 91	0	0	1	0	4	0	0	0	1
## 92	0	0	0	1	4	0	0	0	1
## 93	0	0	1	0	2	0	1	0	0
## 94	0	0	1	0	3	0	0	1	0
## 95	0	0	1	0	3	0	0	1	0
## 96	0	0	0	1	3	0	0	1	0
## 97	0	0	1	0	6	0	0	0	0
## 98	0	0	0	1	4	0	0	0	1
## 99	0	0	1	0	2	0	1	0	0
## 100	0	0	1	0	3	0	0	1	0
## 101	0	0	1	0	2	0	1	0	0
## 102	0	0	0	1	4	0	0	0	1
## 103	0	0	1	0	3	0	0	1	0
## 105	0	0	0	1	4	0	0	0	1
## 107	0	0	1	0	3	0	0	1	0
## 108	0	0	1	0	4	0	0	0	1
## 109	0	0	1	0	2	0	1	0	0
## 110	0	0	0	1	3	0	0	1	0
## 112	0	0	1	0	2	0	1	0	0
## 113	0	0	0	1	4	0	0	0	1
## 116	0	0	1	0	3	0	0	1	0
## 118	0	0	0	1	2	0	1	0	0
## 119	0	0	0	1	2	0	1	0	0
## 120	0	0	0	1	4	0	0	0	1
## 121	0	0	0	1	3	0	0	1	0
## 122	0	0	1	0	2	0	1	0	0
## 123	0	0	0	1	3	0	0	1	0
## 124	0	0	1	0	2	0	1	0	0
## 125	0	0	0	1	2	0	1	0	0
## 126	0	0	0	1	3	0	0	1	0
## 127	0	0	1	0	3	0	0	1	0
## 128	0	0	1	0	5	0	0	0	0
## 129	0	0	1	0	4	0	0	0	1
## 131	0	0	0	1	3	0	0	1	0
## 132	0	0	0	1	4	0	0	0	1
## 134	0	0	1	0	4	0	0	0	1
## 136	0	0	0	1	3	0	0	1	0
## 137	0	0	1	0	3	0	0	1	0
## 139	0	0	1	0	5	0	0	0	0
## 140	0	0	0	1	4	0	0	0	1
## 141	0	0	0	1	4	0	0	0	1
## 142	0	0	1	0	2	0	1	0	0
## 144	0	0	1	0	3	0	0	1	0
## 146	0	0	1	0	2	0	1	0	0
## 147	0	0	1	0	3	0	0	1	0
## 148	0	0	1	0	2	0	1	0	0
## 149	0	0	0	1	3	0	0	1	0
## 150	0	0	0	1	3	0	0	1	0
## 151	0	0	1	0	4	0	0	0	1
## 154	0	0	0	1	5	0	0	0	0
## 155	0	0	1	0	3	0	0	1	0
## 156	0	0	1	0	5	0	0	0	0

## 157	0	0	1	0	3	0	0	1	0
## 158	0	0	1	0	2	0	1	0	0
## 159	0	0	1	0	3	0	0	1	0
## 160	0	0	0	1	4	0	0	0	1
## 161	1	0	1	0	3	0	0	1	0
## 162	0	0	1	0	4	0	0	0	1
## 163	0	0	1	0	3	0	0	1	0
## 164	0	0	1	0	2	0	1	0	0
## 166	1	0	0	1	4	0	0	0	1
## 167	0	0	0	1	3	0	0	1	0
## 168	0	0	1	0	4	0	0	0	1
## 169	0	0	1	0	2	0	1	0	0
## 170	0	0	1	0	6	0	0	0	0
## 171	0	0	1	0	2	0	1	0	0
## 172	0	0	1	0	4	0	0	0	1
## 174	0	1	0	0	3	0	0	1	0
## 175	0	0	1	0	2	0	1	0	0
## 176	0	0	1	0	3	0	0	1	0
## 177	0	0	1	0	5	0	0	0	0
## 179	0	0	0	1	2	0	1	0	0
## 180	0	0	1	0	2	0	1	0	0
## 181	0	0	1	0	4	0	0	0	1
## 183	0	0	1	0	3	0	0	1	0
## 184	0	0	0	1	6	0	0	0	0
## 185	0	0	0	1	3	0	0	1	0
## 186	0	0	0	1	4	0	0	0	1
## 188	0	0	0	1	3	0	0	1	0
## 190	0	1	0	0	3	0	0	1	0
## 193	0	0	1	0	4	0	0	0	1
## 194	0	0	1	0	3	0	0	1	0
## 195	0	0	1	0	4	0	0	0	1
## 196	0	0	1	0	4	0	0	0	1
## 198	0	0	1	0	4	0	0	0	1
## 199	0	0	1	0	3	0	0	1	0
## 200	0	0	0	1	4	0	0	0	1
## 202	0	0	1	0	5	0	0	0	0
## 203	0	0	1	0	3	0	0	1	0
## 204	0	0	1	0	2	0	1	0	0
## 205	0	0	1	0	4	0	0	0	1
## 206	0	0	1	0	3	0	0	1	0
## 209	0	0	1	0	3	0	0	1	0
## 210	0	0	1	0	4	0	0	0	1
## 211	0	0	1	0	4	0	0	0	1
## 212	0	0	1	0	4	0	0	0	1
## 214	0	0	1	0	4	0	0	0	1
## 215	0	0	1	0	2	0	1	0	0
## 216	0	0	1	0	3	0	0	1	0
## 217	0	0	1	0	4	0	0	0	1
## 218	0	0	1	0	4	0	0	0	1
## 220	0	0	0	1	3	0	0	1	0
## 222	0	0	0	1	4	0	0	0	1
## 223	0	0	1	0	2	0	1	0	0
## 224	0	0	1	0	3	0	0	1	0
## 225	0	0	0	1	4	0	0	0	1

## 226	0	0	1	0	3	0	0	1	0
## 227	0	0	1	0	2	0	1	0	0
## 228	0	0	1	0	2	0	1	0	0
## 229	0	0	0	1	3	0	0	1	0
## 230	0	0	1	0	3	0	0	1	0
## 231	0	0	1	0	4	0	0	0	1
## 232	0	0	1	0	3	0	0	1	0
## 233	0	0	0	1	4	0	0	0	1
## 234	0	0	0	1	3	0	0	1	0
## 236	0	1	0	0	4	0	0	0	1
## 238	0	0	1	0	3	0	0	1	0
## 239	0	0	0	1	2	0	1	0	0
##	bmi5.1	bmi6.1	lvedpm.1	anemiapre.1	iabpintra.1	lof1.1	ptimenumban.1		
## 1	0	0	0	0	0	0	56.00000		
## 2	0	1	0	0	0	0	38.50000		
## 3	0	0	0	1	0	0	29.25000		
## 4	0	0	0	0	0	0	24.50000		
## 5	0	0	1	0	0	0	23.00000		
## 6	1	0	0	0	0	0	23.66667		
## 7	0	0	0	0	0	0	44.40000		
## 8	0	0	0	0	0	0	23.00000		
## 10	0	0	0	0	0	0	25.33333		
## 11	1	0	1	0	0	1	27.60000		
## 12	0	0	0	0	0	0	41.00000		
## 13	0	0	0	1	0	0	21.00000		
## 14	1	0	1	0	0	0	0.00000		
## 16	0	0	1	1	0	0	30.75000		
## 17	0	0	1	0	0	0	15.66667		
## 18	0	0	0	0	0	0	24.00000		
## 19	1	0	0	1	0	0	28.33333		
## 20	0	0	0	0	0	0	37.33333		
## 21	0	0	0	1	0	0	34.40000		
## 23	0	0	0	1	0	0	31.33333		
## 25	0	0	1	1	0	0	25.50000		
## 26	0	0	0	1	0	0	27.25000		
## 27	0	0	1	0	0	0	27.00000		
## 28	0	0	1	1	0	0	0.00000		
## 29	0	0	0	0	0	0	27.50000		
## 30	0	0	1	0	0	0	26.25000		
## 33	0	0	0	1	0	0	24.00000		
## 34	0	0	0	0	0	0	38.75000		
## 35	0	0	1	1	0	0	23.00000		
## 36	0	0	1	0	0	0	35.50000		
## 37	0	0	0	0	0	0	33.25000		
## 38	0	0	1	0	0	0	30.25000		
## 39	0	0	1	1	0	0	35.33333		
## 40	0	0	1	0	0	0	25.75000		
## 41	0	0	0	1	0	0	37.33333		
## 43	0	0	0	1	0	0	44.75000		
## 44	0	0	0	0	0	0	15.60000		
## 45	0	0	0	0	0	0	24.50000		
## 46	0	0	0	1	0	0	43.66667		
## 47	0	0	0	1	0	0	31.00000		
## 48	0	0	1	1	0	0	26.25000		

## 49	0	0	0	0	0	0	16.66667
## 50	0	1	0	1	0	0	34.00000
## 51	0	0	0	1	0	1	24.60000
## 52	0	0	1	1	0	0	25.00000
## 54	0	0	1	1	0	0	24.40000
## 55	0	0	0	0	0	0	33.00000
## 56	0	0	0	0	0	0	23.25000
## 57	0	0	0	0	0	0	30.00000
## 58	0	0	0	0	0	0	31.66667
## 59	0	0	0	0	0	0	27.33333
## 60	0	0	0	0	0	0	20.40000
## 62	0	0	0	0	0	0	18.80000
## 65	0	1	1	1	0	0	20.66667
## 67	0	1	0	1	0	0	34.00000
## 68	0	0	0	1	0	0	20.25000
## 69	1	0	0	1	0	0	26.80000
## 70	0	0	0	0	0	0	37.00000
## 71	0	0	0	0	0	0	20.00000
## 72	0	0	0	0	0	0	28.33333
## 73	0	0	0	0	0	0	25.60000
## 74	0	0	0	1	0	0	35.00000
## 75	0	1	0	0	0	0	30.66667
## 76	0	0	0	0	0	0	31.50000
## 77	0	0	0	1	0	0	0.00000
## 79	0	0	1	1	0	0	41.33333
## 80	0	0	0	0	0	0	23.66667
## 81	0	0	1	0	0	0	26.33333
## 83	0	0	1	1	0	0	26.50000
## 87	0	0	0	0	0	0	32.00000
## 88	0	0	0	1	0	0	35.33333
## 89	0	0	1	1	0	0	0.00000
## 90	0	0	1	0	0	0	20.75000
## 91	0	0	1	1	0	0	28.00000
## 92	0	0	0	1	0	0	20.00000
## 93	0	0	1	0	0	0	28.75000
## 94	0	0	1	1	0	0	25.33333
## 95	0	0	0	0	0	0	50.66667
## 96	0	0	1	1	0	0	27.00000
## 97	0	1	0	1	0	0	31.75000
## 98	0	0	1	0	0	0	25.66667
## 99	0	0	1	1	0	0	24.20000
## 100	0	0	1	1	0	0	153.00000
## 101	0	0	0	1	0	0	25.50000
## 102	0	0	1	1	0	0	19.25000
## 103	0	0	0	0	0	0	26.00000
## 105	0	0	0	0	0	0	24.75000
## 107	0	0	1	1	0	0	22.75000
## 108	0	0	0	0	0	0	30.00000
## 109	0	0	0	1	0	0	27.60000
## 110	0	0	1	1	0	0	28.00000
## 112	0	0	0	0	0	0	28.66667
## 113	0	0	1	0	0	0	23.25000
## 116	0	0	0	0	0	0	29.33333
## 118	0	0	0	0	0	0	22.33333

## 119	0	0	1	0	0	0	117.00000
## 120	0	0	0	0	0	0	26.25000
## 121	0	0	0	0	0	0	27.25000
## 122	0	0	0	0	0	0	27.25000
## 123	0	0	0	0	0	0	25.00000
## 124	0	0	0	0	0	0	18.20000
## 125	0	0	0	0	0	0	39.66667
## 126	0	0	1	1	0	0	24.00000
## 127	0	0	1	0	0	0	26.80000
## 128	1	0	0	0	0	0	27.00000
## 129	0	0	0	0	0	0	21.60000
## 131	0	0	0	0	0	0	25.25000
## 132	0	0	1	0	0	0	16.80000
## 134	0	0	0	1	0	0	27.16667
## 136	0	0	0	0	0	0	0.00000
## 137	0	0	1	1	0	0	39.20000
## 139	1	0	0	0	0	1	37.50000
## 140	0	0	0	0	0	0	25.33333
## 141	0	0	1	0	0	0	13.00000
## 142	0	0	0	0	0	0	0.00000
## 144	0	0	0	0	0	0	28.50000
## 146	0	0	0	1	0	0	25.25000
## 147	0	0	0	1	0	0	24.50000
## 148	0	0	0	1	0	0	23.00000
## 149	0	0	0	0	0	0	25.00000
## 150	0	0	1	0	0	0	23.00000
## 151	0	0	0	1	0	0	36.66667
## 154	1	0	0	0	0	0	22.50000
## 155	0	0	1	0	0	0	39.33333
## 156	1	0	0	0	0	0	29.33333
## 157	0	0	0	1	0	0	25.00000
## 158	0	0	1	0	0	0	22.25000
## 159	0	0	0	0	0	0	31.66667
## 160	0	0	0	1	0	0	25.80000
## 161	0	0	1	1	1	1	24.40000
## 162	0	0	0	1	0	0	28.00000
## 163	0	0	1	0	0	0	23.66667
## 164	0	0	1	0	0	0	32.60000
## 166	0	0	0	0	1	1	42.00000
## 167	0	0	0	0	0	0	39.00000
## 168	0	0	1	0	0	0	30.66667
## 169	0	0	0	1	0	0	31.66667
## 170	0	1	0	1	0	0	33.66667
## 171	0	0	1	0	0	0	55.00000
## 172	0	0	0	0	0	0	22.00000
## 174	0	0	0	1	0	0	0.00000
## 175	0	0	0	0	0	0	29.00000
## 176	0	0	0	1	0	0	25.00000
## 177	1	0	1	0	0	0	18.20000
## 179	0	0	0	0	0	0	29.25000
## 180	0	0	0	0	0	0	28.00000
## 181	0	0	1	0	0	0	35.25000
## 183	0	0	0	1	0	0	62.00000
## 184	0	1	0	0	0	0	36.33333

## 185	0	0	1	0	0	0	28.75000
## 186	0	0	1	0	0	0	27.75000
## 188	0	0	0	0	0	0	59.50000
## 190	0	0	1	0	0	0	35.33333
## 193	0	0	1	1	0	0	46.00000
## 194	0	0	0	1	0	0	22.20000
## 195	0	0	0	1	0	0	29.00000
## 196	0	0	1	1	0	0	27.00000
## 198	0	0	0	1	0	0	30.00000
## 199	0	0	0	1	0	0	25.66667
## 200	0	0	0	1	0	0	31.33333
## 202	1	0	0	0	0	0	38.66667
## 203	0	0	1	0	0	0	61.38700
## 204	0	0	1	0	0	0	18.66667
## 205	0	0	1	0	0	0	23.66667
## 206	0	0	0	0	0	0	27.00000
## 209	0	0	0	0	0	0	33.50000
## 210	0	0	0	0	0	0	29.50000
## 211	0	0	0	0	0	0	21.50000
## 212	0	0	0	0	0	0	29.00000
## 214	0	0	0	1	0	0	32.66667
## 215	0	0	0	0	0	0	27.40000
## 216	0	0	0	0	0	0	16.71429
## 217	0	0	0	0	0	0	0.00000
## 218	0	0	1	1	0	0	39.66667
## 220	0	0	0	1	0	0	29.50000
## 222	0	0	0	0	0	0	0.00000
## 223	0	0	1	1	0	0	24.25000
## 224	0	0	0	0	0	0	26.33333
## 225	0	0	1	0	0	0	27.00000
## 226	0	0	1	0	0	0	18.80000
## 227	0	0	1	0	0	0	23.75000
## 228	0	0	0	1	0	0	29.50000
## 229	0	0	0	0	0	0	47.50000
## 230	0	0	1	0	0	0	23.50000
## 231	0	0	1	0	0	0	26.40000
## 232	0	0	1	1	0	0	16.75000
## 233	0	0	0	0	0	0	28.20000
## 234	0	0	0	0	0	0	32.00000
## 236	0	0	1	1	0	0	22.80000
## 238	0	0	0	0	0	0	26.00000
## 239	0	0	1	0	0	0	31.00000
##	ctimenumban.1	cardtimenumban.1	cardblood.1	cardcold.1	hotshot.1	aoxcon.1	
## 1	45.750000	7.750000	1	1	0	0	
## 2	24.500000	9.000000	1	0	1	0	
## 3	20.750000	4.750000	1	0	1	0	
## 4	12.750000	6.250000	0	1	0	0	
## 5	12.666667	6.666666	1	0	1	0	
## 6	9.333333	7.333334	1	1	1	0	
## 7	38.400002	6.600000	1	0	1	0	
## 8	7.000000	5.666666	1	1	1	0	
## 10	20.666666	5.000000	1	0	1	1	
## 11	22.600000	6.800000	1	1	0	1	
## 12	24.000000	5.666666	1	0	1	0	

## 13	16.799999	2.800000	1	1	0	0
## 14	0.000000	0.000000	0	1	0	0
## 16	26.250000	2.500000	1	1	0	0
## 17	9.666667	8.333333	1	1	0	0
## 18	18.000000	4.000000	1	0	1	1
## 19	23.666666	5.333334	1	0	1	1
## 20	24.666666	6.666666	1	0	1	0
## 21	19.000000	2.600000	1	0	1	1
## 23	16.333334	4.333334	1	0	1	0
## 25	17.000000	6.500000	1	0	1	0
## 26	22.500000	3.500000	1	1	1	0
## 27	14.000000	10.792350	0	1	0	0
## 28	0.000000	0.000000	0	0	0	0
## 29	18.500000	4.500000	1	0	1	1
## 30	14.500000	3.000000	1	0	1	0
## 33	17.000000	2.750000	1	0	1	1
## 34	15.250000	5.250000	1	1	1	0
## 35	16.000000	5.000000	1	1	0	0
## 36	18.000000	10.792350	1	0	1	0
## 37	18.250000	5.396175	1	0	1	0
## 38	20.500000	5.500000	1	1	1	0
## 39	20.666666	6.333334	1	0	1	0
## 40	14.750000	4.000000	1	1	1	0
## 41	27.000000	4.666666	1	0	0	0
## 43	32.250000	6.500000	1	0	1	0
## 44	9.400000	5.000000	1	1	0	0
## 45	18.750000	3.250000	1	0	1	1
## 46	0.000000	0.000000	0	0	0	0
## 47	19.000000	5.333334	1	0	1	0
## 48	16.000000	3.000000	1	0	0	0
## 49	11.333333	7.194900	1	1	0	0
## 50	19.666666	5.666666	1	0	1	0
## 51	16.799999	2.400000	1	0	1	1
## 52	17.000000	7.333334	1	0	1	0
## 54	14.200000	199.800000	1	0	1	0
## 55	23.666666	4.333334	1	0	1	1
## 56	17.000000	2.750000	1	0	1	1
## 57	11.000000	4.500000	1	1	1	0
## 58	17.666666	8.333333	1	1	0	0
## 59	19.000000	4.333334	1	0	1	1
## 60	11.200000	7.200000	1	1	0	0
## 62	14.000000	2.800000	1	1	0	0
## 65	13.000000	3.333333	1	0	1	0
## 67	25.770967	6.333334	1	0	1	1
## 68	15.250000	3.750000	1	0	0	1
## 69	19.200001	2.400000	1	0	1	1
## 70	24.000000	6.333334	1	1	0	0
## 71	15.000000	2.250000	1	0	1	1
## 72	14.666667	4.000000	1	0	1	0
## 73	15.000000	3.600000	0	1	0	0
## 74	22.333334	4.333334	1	0	1	1
## 75	24.333334	5.666666	1	0	1	1
## 76	15.500000	5.396175	1	0	1	0
## 77	0.000000	0.000000	0	0	0	0

## 79	32.333332	5.000000	1	0	0	1
## 80	15.333333	13.666667	1	0	1	0
## 81	14.000000	7.000000	1	0	1	0
## 83	19.500000	15.000000	0	0	1	1
## 87	13.333333	3.666667	1	1	1	0
## 88	15.666667	7.666666	1	0	1	0
## 89	0.000000	0.000000	0	0	0	0
## 90	15.500000	2.500000	1	1	0	0
## 91	19.250000	4.000000	1	0	1	0
## 92	9.000000	10.792350	1	1	0	0
## 93	21.000000	9.750000	1	0	1	1
## 94	12.666667	7.333334	1	1	0	0
## 95	21.333334	13.666667	1	1	0	0
## 96	15.000000	6.000000	1	1	0	0
## 97	16.250000	5.000000	1	1	0	0
## 98	14.333333	2.333333	1	0	1	1
## 99	17.600000	2.600000	1	0	1	1
## 100	88.000000	14.000000	0	1	1	1
## 101	17.000000	2.500000	1	0	1	1
## 102	15.000000	3.250000	1	0	1	1
## 103	14.250000	9.500000	1	0	1	0
## 105	12.750000	7.500000	1	1	0	0
## 107	18.000000	2.500000	1	1	0	0
## 108	14.500000	5.396175	1	0	1	0
## 109	19.000000	2.200000	1	0	1	1
## 110	18.333334	3.666667	1	0	1	1
## 112	17.000000	6.666666	1	0	1	0
## 113	16.750000	2.500000	1	1	0	0
## 116	23.333334	3.333333	1	1	1	1
## 118	0.000000	0.000000	0	0	0	0
## 119	88.000000	21.000000	1	0	1	1
## 120	20.250000	3.750000	1	0	1	1
## 121	16.750000	3.000000	1	0	1	1
## 122	10.000000	4.500000	1	1	0	0
## 123	10.500000	2.500000	1	1	0	0
## 124	15.800000	2.000000	1	1	1	0
## 125	23.666666	7.000000	1	0	1	0
## 126	19.750000	2.500000	1	1	0	0
## 127	14.400000	199.800000	1	0	1	0
## 128	21.333334	8.000000	1	0	1	1
## 129	15.000000	2.400000	1	0	0	0
## 131	13.500000	4.000000	1	1	0	0
## 132	13.600000	4.200000	1	0	1	1
## 134	17.500000	2.000000	1	1	0	0
## 136	0.000000	0.000000	0	0	0	0
## 137	28.600000	4.000000	1	0	1	0
## 139	24.750000	3.000000	1	0	1	1
## 140	13.000000	5.333334	1	0	1	0
## 141	7.000000	5.500000	1	1	1	0
## 142	0.000000	0.000000	0	1	0	0
## 144	16.000000	6.250000	1	0	1	0
## 146	17.750000	2.750000	1	1	0	0
## 147	12.500000	10.000000	1	0	1	0
## 148	19.200001	6.000000	1	0	1	1

## 149	10.000000	7.000000	1	1	1	0
## 150	18.000000	5.250000	0	1	1	1
## 151	22.666666	7.000000	1	0	1	0
## 154	16.250000	3.750000	1	0	1	1
## 155	25.000000	333.000000	1	0	1	0
## 156	10.666667	3.333333	1	1	1	0
## 157	17.000000	3.333333	1	1	0	0
## 158	13.000000	5.000000	1	0	1	0
## 159	25.770967	7.194900	0	1	0	0
## 160	17.600000	3.000000	1	0	1	1
## 161	20.400000	6.400000	1	0	1	1
## 162	13.000000	10.792350	1	1	0	0
## 163	13.000000	333.000000	1	0	1	0
## 164	16.200001	199.800000	1	0	1	0
## 166	14.333333	4.333334	1	1	1	0
## 167	27.500000	11.500000	1	0	1	0
## 168	23.666666	5.333334	1	0	1	1
## 169	24.000000	3.333333	1	0	0	1
## 170	23.000000	8.000000	1	0	1	1
## 171	47.000000	10.000000	1	0	1	1
## 172	13.500000	5.396175	1	0	1	0
## 174	0.000000	0.000000	0	0	0	0
## 175	17.000000	10.792350	1	1	0	0
## 176	17.666666	4.333334	1	0	1	1
## 177	15.000000	2.000000	0	0	0	1
## 179	14.250000	9.750000	1	1	0	0
## 180	19.500000	4.000000	1	0	1	0
## 181	21.500000	5.000000	1	0	1	0
## 183	43.500000	11.500000	1	0	1	0
## 184	22.666666	6.333334	1	0	1	0
## 185	17.500000	6.500000	1	0	1	0
## 186	15.750000	7.250000	1	0	1	0
## 188	30.500000	10.500000	1	1	0	0
## 190	23.666666	6.000000	1	0	1	1
## 193	35.333332	8.000000	1	0	1	1
## 194	16.799999	4.400000	1	0	1	0
## 195	19.250000	4.250000	1	0	1	1
## 196	15.600000	4.000000	1	1	0	1
## 198	16.666666	4.000000	1	0	1	1
## 199	15.000000	6.666666	1	0	1	0
## 200	14.666667	14.000000	1	0	1	0
## 202	28.000000	9.000000	1	0	1	1
## 203	38.656448	10.792350	0	1	0	0
## 204	12.333333	3.333333	1	0	1	0
## 205	15.333333	7.333334	1	0	1	0
## 206	19.000000	6.000000	1	0	1	1
## 209	23.500000	8.500000	1	0	1	0
## 210	15.000000	5.396175	1	0	1	0
## 211	16.000000	3.000000	1	0	1	1
## 212	17.500000	4.500000	1	0	1	0
## 214	22.333334	4.000000	1	0	1	1
## 215	20.000000	2.600000	1	0	1	1
## 216	12.571428	3.571429	1	0	1	1
## 217	0.000000	0.000000	0	0	0	0

## 218	19.333334	2.333333	1	0	1	1	
## 220	20.000000	4.500000	1	0	1	0	
## 222	0.000000	0.000000	0	0	0	0	
## 223	16.500000	2.250000	1	0	1	1	
## 224	13.333333	7.194900	1	0	1	0	
## 225	17.000000	5.666666	1	0	1	0	
## 226	12.800000	4.800000	1	0	1	0	
## 227	20.000000	6.250000	1	0	1	1	
## 228	14.500000	3.500000	1	0	1	0	
## 229	33.250000	6.250000	0	1	0	0	
## 230	14.000000	3.000000	0	0	1	0	
## 231	22.000000	4.600000	1	1	1	1	
## 232	10.750000	6.500000	1	0	1	0	
## 233	20.600000	2.000000	1	0	1	1	
## 234	21.250000	3.250000	1	0	1	1	
## 236	13.000000	4.316940	1	0	0	0	
## 238	13.333333	11.666667	1	0	1	0	
## 239	15.666667	7.333334	1	0	1	0	
##	ultrafilyn.1	cabg.1	valve.1	cabgvalve.1	gfr60pre.1	male.1	notcoldcard.1
## 1	0	0	0	1	1	1	0
## 2	0	1	0	0	0	1	1
## 3	1	1	0	0	0	1	1
## 4	0	1	0	0	0	1	0
## 5	0	1	0	0	0	1	1
## 6	0	1	0	0	0	1	0
## 7	0	0	0	1	0	1	1
## 8	0	1	0	0	0	1	0
## 10	0	1	0	0	0	1	1
## 11	0	1	0	0	0	1	0
## 12	0	1	0	0	0	1	1
## 13	1	1	0	0	1	1	0
## 14	0	1	0	0	0	1	0
## 16	0	1	0	0	1	1	0
## 17	0	1	0	0	0	1	0
## 18	0	1	0	0	0	1	1
## 19	0	1	0	0	0	1	1
## 20	0	1	0	0	0	1	1
## 21	0	1	0	0	0	1	1
## 23	0	1	0	0	0	1	1
## 25	1	1	0	0	1	1	1
## 26	1	1	0	0	1	1	0
## 27	0	1	0	0	0	1	0
## 28	0	1	0	0	0	1	1
## 29	0	1	0	0	0	1	1
## 30	0	1	0	0	0	1	1
## 33	0	1	0	0	0	1	1
## 34	0	1	0	0	0	1	0
## 35	0	1	0	0	0	1	0
## 36	0	1	0	0	0	1	1
## 37	0	1	0	0	0	1	1
## 38	0	1	0	0	0	1	0
## 39	0	1	0	0	0	1	1
## 40	0	1	0	0	1	1	0
## 41	0	1	0	0	0	1	1

## 43	1	1	0	0	0	1	1
## 44	0	1	0	0	0	1	0
## 45	0	1	0	0	0	1	1
## 46	0	1	0	0	0	1	1
## 47	0	1	0	0	0	1	1
## 48	0	1	0	0	0	1	1
## 49	0	1	0	0	0	1	0
## 50	0	1	0	0	1	1	1
## 51	1	1	0	0	1	1	1
## 52	0	1	0	0	0	1	1
## 54	0	1	0	0	1	1	1
## 55	0	1	0	0	0	1	1
## 56	0	1	0	0	0	1	1
## 57	0	1	0	0	1	1	0
## 58	0	1	0	0	0	1	0
## 59	0	1	0	0	0	1	1
## 60	0	1	0	0	0	1	0
## 62	1	1	0	0	1	1	0
## 65	0	1	0	0	0	1	1
## 67	0	1	0	0	0	1	1
## 68	0	1	0	0	0	1	1
## 69	0	1	0	0	0	1	1
## 70	0	1	0	0	0	1	0
## 71	0	1	0	0	0	1	1
## 72	0	1	0	0	0	1	1
## 73	1	1	0	0	0	1	0
## 74	0	1	0	0	1	1	1
## 75	0	1	0	0	0	1	1
## 76	0	1	0	0	0	1	1
## 77	0	1	0	0	1	1	1
## 79	0	0	0	1	0	1	1
## 80	0	1	0	0	0	1	1
## 81	0	1	0	0	0	1	1
## 83	0	1	0	0	0	1	1
## 87	0	1	0	0	0	1	0
## 88	0	1	0	0	0	1	1
## 89	0	1	0	0	0	1	1
## 90	0	1	0	0	0	1	0
## 91	0	1	0	0	0	1	1
## 92	0	1	0	0	0	1	0
## 93	0	1	0	0	0	1	1
## 94	0	1	0	0	0	1	0
## 95	0	1	0	0	0	1	0
## 96	0	1	0	0	1	1	0
## 97	0	1	0	0	0	1	0
## 98	0	1	0	0	0	1	1
## 99	0	1	0	0	0	1	1
## 100	0	0	0	1	1	1	0
## 101	0	1	0	0	0	1	1
## 102	0	1	0	0	0	1	1
## 103	0	1	0	0	0	1	1
## 105	0	1	0	0	1	1	0
## 107	1	1	0	0	1	1	0
## 108	0	1	0	0	0	1	1

## 109	0	1	0	0	0	1	1
## 110	0	1	0	0	1	1	1
## 112	0	1	0	0	0	1	1
## 113	0	1	0	0	0	1	0
## 116	0	1	0	0	0	1	0
## 118	0	1	0	0	0	1	1
## 119	0	0	0	1	0	1	1
## 120	0	1	0	0	0	1	1
## 121	1	1	0	0	0	1	1
## 122	0	1	0	0	0	1	0
## 123	0	1	0	0	0	1	0
## 124	0	1	0	0	0	1	0
## 125	0	1	0	0	0	1	1
## 126	0	1	0	0	0	1	0
## 127	0	1	0	0	0	1	1
## 128	0	1	0	0	0	1	1
## 129	0	1	0	0	0	1	1
## 131	0	1	0	0	0	1	0
## 132	0	1	0	0	0	1	1
## 134	0	1	0	0	1	1	0
## 136	0	1	0	0	0	1	1
## 137	1	0	0	1	0	1	1
## 139	0	1	0	0	0	1	1
## 140	0	1	0	0	0	1	1
## 141	0	1	0	0	0	1	0
## 142	0	1	0	0	0	1	0
## 144	0	1	0	0	0	1	1
## 146	0	1	0	0	0	1	0
## 147	0	1	0	0	0	1	1
## 148	0	1	0	0	0	1	1
## 149	0	1	0	0	1	1	0
## 150	0	1	0	0	0	1	0
## 151	0	1	0	0	1	1	1
## 154	0	1	0	0	0	1	1
## 155	0	1	0	0	0	1	1
## 156	0	1	0	0	0	1	0
## 157	0	1	0	0	0	1	0
## 158	0	1	0	0	0	1	1
## 159	0	1	0	0	1	1	0
## 160	1	1	0	0	0	1	1
## 161	0	1	0	0	0	1	1
## 162	0	1	0	0	0	1	0
## 163	0	1	0	0	0	1	1
## 164	0	1	0	0	0	1	1
## 166	0	1	0	0	0	1	0
## 167	0	1	0	0	0	1	1
## 168	0	1	0	0	0	1	1
## 169	0	0	0	1	0	1	1
## 170	0	1	0	0	0	1	1
## 171	0	0	0	1	0	1	1
## 172	0	1	0	0	0	1	1
## 174	0	1	0	0	0	1	1
## 175	0	1	0	0	0	1	0
## 176	0	1	0	0	0	1	1

## 177	0	1	0	0	0	1	1
## 179	0	1	0	0	0	1	0
## 180	0	1	0	0	1	1	1
## 181	0	1	0	0	0	1	1
## 183	1	1	0	0	1	1	1
## 184	0	1	0	0	0	1	1
## 185	0	1	0	0	0	1	1
## 186	0	1	0	0	0	1	1
## 188	0	1	0	0	0	1	0
## 190	0	1	0	0	0	1	1
## 193	0	0	0	1	0	1	1
## 194	0	1	0	0	1	1	1
## 195	1	1	0	0	0	1	1
## 196	0	1	0	0	1	1	0
## 198	1	1	0	0	0	1	1
## 199	0	1	0	0	1	1	1
## 200	0	1	0	0	0	1	1
## 202	0	1	0	0	1	1	1
## 203	0	1	0	0	0	1	0
## 204	0	1	0	0	0	1	1
## 205	0	1	0	0	0	1	1
## 206	0	1	0	0	0	1	1
## 209	0	1	0	0	0	1	1
## 210	0	1	0	0	0	1	1
## 211	0	1	0	0	0	1	1
## 212	0	1	0	0	0	1	1
## 214	0	1	0	0	0	1	1
## 215	0	1	0	0	0	1	1
## 216	0	1	0	0	1	1	1
## 217	0	1	0	0	1	1	1
## 218	0	1	0	0	0	1	1
## 220	1	1	0	0	1	1	1
## 222	0	1	0	0	0	1	1
## 223	0	1	0	0	0	1	1
## 224	0	1	0	0	0	1	1
## 225	0	1	0	0	0	1	1
## 226	0	1	0	0	0	1	1
## 227	0	1	0	0	0	1	1
## 228	0	1	0	0	0	1	1
## 229	1	0	0	1	0	1	0
## 230	0	1	0	0	0	1	1
## 231	0	1	0	0	0	1	0
## 232	0	1	0	0	0	1	1
## 233	0	1	0	0	0	1	1
## 234	0	1	0	0	1	1	1
## 236	0	1	0	0	0	1	1
## 238	0	1	0	0	0	1	1
## 239	0	1	0	0	0	1	1
##	fluidprel.1	ptime120.1	heptotl.1	heptot5.1	tcys0.1	cyspre3cat.1	
## 1	1.400	1	50.4000	1	3	3	
## 2	1.500	0	47.0000	0	2	2	
## 3	1.200	0	37.0000	0	3	3	
## 4	2.000	0	35.0000	0	1	1	
## 5	1.000	0	54.8000	1	3	3	

## 6	0.700	0	6.7000	0	2	2
## 7	1.300	1	76.8000	1	1	1
## 8	0.700	0	45.0000	0	NA	NA
## 10	0.900	0	48.0000	0	2	2
## 11	1.000	1	44.0000	0	2	2
## 12	1.100	1	45.0000	0	3	3
## 13	0.600	0	66.0000	1	NA	NA
## 14	0.000	0	49.3599	0	1	1
## 16	2.050	1	40.0000	0	1	1
## 17	0.000	0	28.0000	0	NA	NA
## 18	1.000	0	4.3000	0	1	1
## 19	1.100	0	38.0000	0	NA	NA
## 20	1.800	0	37.0000	0	3	3
## 21	0.900	1	84.0000	1	1	1
## 23	1.850	0	59.7000	1	3	3
## 25	1.200	0	50.2800	1	3	3
## 26	0.400	0	40.0000	0	3	3
## 27	0.000	0	49.3599	0	2	2
## 28	0.000	0	49.3599	0	3	3
## 29	1.000	0	44.0000	0	1	1
## 30	1.500	0	49.0000	0	1	1
## 33	1.500	0	60.0000	1	2	2
## 34	1.000	1	45.0000	0	2	2
## 35	0.800	0	36.0000	0	1	1
## 36	1.000	0	44.6000	0	1	1
## 37	1.650	1	41.5000	0	2	1
## 38	1.950	1	48.3000	0	2	2
## 39	1.250	0	41.2000	0	2	2
## 40	0.500	0	41.6000	0	3	3
## 41	0.800	0	45.0000	0	1	1
## 43	0.500	1	38.0000	0	2	2
## 44	1.200	0	30.0000	0	1	1
## 45	2.000	0	53.0000	1	2	2
## 46	1.000	1	33.0000	0	3	3
## 47	0.960	0	40.5000	0	1	1
## 48	3.000	0	50.0000	1	2	2
## 49	0.000	0	49.3599	0	2	2
## 50	0.750	0	49.0000	0	3	3
## 51	2.000	1	2.7000	0	3	3
## 52	1.200	0	42.9000	0	1	1
## 54	1.500	1	46.4000	0	3	3
## 55	1.600	0	48.0000	0	1	1
## 56	0.000	0	2.8000	0	3	3
## 57	0.700	1	49.0000	0	2	2
## 58	0.000	0	54.0000	1	1	1
## 59	0.600	0	35.0000	0	2	2
## 60	0.000	0	35.0000	0	NA	NA
## 62	0.600	0	32.0000	0	3	3
## 65	1.000	0	59.0000	1	NA	NA
## 67	0.650	0	75.0000	1	3	3
## 68	2.800	0	93.0000	1	3	3
## 69	2.500	1	45.0000	0	1	1
## 70	0.200	0	44.0000	0	1	1
## 71	1.300	0	92.0000	1	1	1

## 72	1.100	0	50.0000	1	3	3
## 73	1.400	1	46.0000	0	2	2
## 74	0.900	0	47.0000	0	3	3
## 75	1.700	0	55.0000	1	3	3
## 76	1.000	1	41.6000	0	1	1
## 77	0.000	0	31.0000	0	3	3
## 79	0.900	1	50.0000	1	2	2
## 80	0.000	0	32.0000	0	1	1
## 81	1.850	0	46.4000	0	1	1
## 83	1.500	0	47.0000	0	3	3
## 87	0.300	0	43.0000	0	3	3
## 88	0.700	0	40.0000	0	3	3
## 89	0.000	0	49.3599	0	3	3
## 90	1.000	0	40.0000	0	2	2
## 91	1.150	0	53.2000	1	1	1
## 92	1.100	0	41.0000	0	3	3
## 93	1.000	0	36.1000	0	3	3
## 94	0.800	0	40.0000	0	2	2
## 95	0.000	1	30.0000	0	3	3
## 96	1.200	0	29.0000	0	3	3
## 97	0.000	1	45.0000	0	3	3
## 98	1.400	0	34.0000	0	2	2
## 99	0.000	1	28.0000	0	2	2
## 100	1.200	1	47.0000	0	3	3
## 101	3.000	0	34.0000	0	2	2
## 102	1.000	0	39.0000	0	NA	NA
## 103	1.300	0	44.0000	0	1	1
## 105	0.000	0	35.0000	0	1	1
## 107	1.450	0	28.0000	0	NA	NA
## 108	0.000	1	49.3599	0	2	2
## 109	1.300	1	32.0000	0	2	2
## 110	1.100	0	45.0000	0	3	3
## 112	0.000	0	35.0000	0	1	1
## 113	1.900	0	36.0000	0	2	2
## 116	0.400	0	46.0000	0	1	1
## 118	3.000	0	32.0000	0	2	2
## 119	2.750	0	45.2000	0	2	2
## 120	1.800	0	29.0000	0	2	2
## 121	2.000	0	45.0000	0	1	1
## 122	1.400	0	52.0000	1	1	1
## 123	1.000	0	5.6000	0	2	2
## 124	1.300	0	42.0000	0	NA	NA
## 125	1.200	0	32.0000	0	1	1
## 126	0.200	0	49.0000	0	2	2
## 127	1.500	1	50.0000	1	2	2
## 128	1.650	0	53.4000	1	2	1
## 129	1.200	0	43.0000	0	1	1
## 131	1.800	0	38.0000	0	1	1
## 132	1.250	0	47.2000	0	1	1
## 134	0.600	1	57.0000	1	NA	NA
## 136	0.000	0	49.3599	0	2	2
## 137	1.600	1	52.4000	1	3	2
## 139	2.000	1	34.0000	0	2	2
## 140	0.000	0	45.0000	0	3	3

## 141	0.600	0	5.4000	0	2	2
## 142	1.300	0	49.3599	0	1	1
## 144	1.750	0	37.7000	0	1	1
## 146	0.500	0	60.0000	1	NA	NA
## 147	1.200	0	3.7000	0	3	3
## 148	0.800	0	39.7000	0	1	1
## 149	1.200	0	45.0000	0	2	2
## 150	0.600	0	42.0000	0	2	2
## 151	1.200	0	41.0000	0	3	3
## 154	1.000	0	36.0000	0	3	3
## 155	0.800	0	55.0000	1	1	1
## 156	1.000	0	70.0000	1	1	1
## 157	1.800	0	38.0000	0	2	2
## 158	1.450	0	43.8000	0	1	1
## 159	1.265	0	42.0000	0	3	3
## 160	0.000	1	3.1000	0	3	3
## 161	1.600	1	43.3000	0	1	1
## 162	0.400	0	48.0000	0	2	2
## 163	1.750	0	43.0000	0	2	2
## 164	1.200	1	41.4000	0	1	1
## 166	0.900	1	6.2000	0	2	2
## 167	1.400	0	41.0000	0	1	1
## 168	1.950	0	56.0000	1	3	3
## 169	1.000	0	45.0000	0	1	1
## 170	1.400	0	47.6800	0	1	1
## 171	1.500	1	47.6000	0	1	1
## 172	0.000	0	49.3599	0	1	1
## 174	0.000	0	49.3599	0	2	2
## 175	1.200	0	36.0000	0	1	1
## 176	1.000	0	36.0000	0	2	2
## 177	2.000	0	58.0000	1	3	3
## 179	1.800	0	49.3599	0	1	1
## 180	1.400	0	42.0000	0	2	2
## 181	1.400	1	10.2800	0	1	1
## 183	0.700	1	51.0000	1	3	3
## 184	0.000	0	61.0000	1	1	1
## 185	1.600	0	43.6000	0	2	2
## 186	1.750	0	46.9000	0	1	1
## 188	0.750	0	60.0000	1	NA	NA
## 190	0.700	0	60.0000	1	2	2
## 193	2.000	1	45.5000	0	1	1
## 194	1.000	0	48.8000	0	3	3
## 195	1.200	0	47.0000	0	3	2
## 196	0.800	1	81.0000	1	3	3
## 198	2.000	0	33.0000	0	2	2
## 199	0.000	0	38.0000	0	NA	NA
## 200	1.200	0	50.0000	1	1	1
## 202	1.800	0	61.0400	1	3	3
## 203	0.000	1	49.3599	0	3	3
## 204	2.100	0	47.2000	0	1	1
## 205	1.500	0	71.0000	1	1	1
## 206	0.600	0	39.0000	0	1	1
## 209	1.300	0	46.4000	0	3	3
## 210	1.000	0	47.2000	0	3	3

## 211	1.500	0	42.0000	0	1	1
## 212	1.000	0	48.5200	0	NA	NA
## 214	1.000	0	33.0000	0	2	2
## 215	2.000	1	37.0000	0	1	1
## 216	1.550	0	56.0000	1	3	3
## 217	0.000	0	49.3599	0	1	1
## 218	1.400	0	65.0000	1	2	2
## 220	1.000	0	34.0000	0	3	3
## 222	0.000	0	49.3599	0	3	3
## 223	1.000	0	34.0000	0	2	2
## 224	1.400	0	49.0000	0	2	2
## 225	2.900	0	53.6000	1	3	3
## 226	1.050	0	43.0000	0	3	3
## 227	1.600	0	41.0000	0	1	1
## 228	1.100	0	37.3000	0	3	3
## 229	1.700	1	40.0000	0	2	2
## 230	1.500	0	57.0000	1	1	1
## 231	1.700	1	38.0000	0	1	1
## 232	1.000	0	41.7600	0	3	3
## 233	2.000	1	33.0000	0	2	1
## 234	0.550	1	31.0000	0	3	3
## 236	0.000	0	49.3599	0	1	1
## 238	0.000	0	3.2000	0	3	3
## 239	0.000	0	42.0000	0	2	2
##	i_cyspre3cat1.1	i_cyspre3cat2.1	i_cyspre3cat3.1		logcys0.1	tcys1.1
## 1	0	0		1	0.1222441800	NA
## 2	0	1		0	-0.1688104400	2
## 3	0	0		1	-0.0624489710	2
## 4	1	0		0	-0.5658521700	NA
## 5	0	0		1	0.2670303000	3
## 6	0	1		0	-0.1991536300	2
## 7	1	0		0	-0.4980624300	1
## 8	NA	NA		NA	NA	2
## 10	0	1		0	-0.3079419100	NA
## 11	0	1		0	-0.1918859500	NA
## 12	0	0		1	-0.0469364820	2
## 13	NA	NA		NA	NA	3
## 14	1	0		0	-0.3918714200	NA
## 16	1	0		0	-0.7993525300	2
## 17	NA	NA		NA	NA	1
## 18	1	0		0	-0.3892069800	3
## 19	NA	NA		NA	NA	NA
## 20	0	0		1	-0.0828230680	2
## 21	1	0		0	-0.3635096800	1
## 23	0	0		1	0.0661902800	2
## 25	0	0		1	0.8264272800	3
## 26	0	0		1	0.2419653100	NA
## 27	0	1		0	-0.2258459500	NA
## 28	0	0		1	0.1757164600	3
## 29	1	0		0	-0.4270882000	NA
## 30	1	0		0	-0.4066608300	2
## 33	0	1		0	-0.1318619300	2
## 34	0	1		0	-0.3160060900	1
## 35	1	0		0	-0.3512653100	NA

## 36	1	0	0 -0.3986628100	NA
## 37	1	0	0 -0.3291737400	1
## 38	0	1	0 -0.2373096600	3
## 39	0	1	0 -0.2544342900	NA
## 40	0	0	1 0.1901326300	3
## 41	1	0	0 -0.3987700600	1
## 43	0	1	0 -0.3173072600	NA
## 44	1	0	0 -0.5181507500	1
## 45	0	1	0 -0.2725583600	NA
## 46	0	0	1 0.1352823500	2
## 47	1	0	0 -0.4097517700	2
## 48	0	1	0 -0.2932200400	1
## 49	0	1	0 -0.2012964500	NA
## 50	0	0	1 -0.0735173750	NA
## 51	0	0	1 0.7782233400	3
## 52	1	0	0 -0.4512980900	1
## 54	0	0	1 0.2804232800	3
## 55	1	0	0 -0.5790277100	1
## 56	0	0	1 -0.0323682460	3
## 57	0	1	0 -0.1092804100	NA
## 58	1	0	0 -0.5179626900	1
## 59	0	1	0 -0.2838002700	2
## 60	NA	NA	NA NA	1
## 62	0	0	1 -0.0806874190	1
## 65	NA	NA	NA NA	2
## 67	0	0	1 -0.0969228820	3
## 68	0	0	1 0.0003799278	3
## 69	1	0	0 -0.4144766000	1
## 70	1	0	0 -0.3720438800	NA
## 71	1	0	0 -0.4010732800	1
## 72	0	0	1 -0.0656869110	NA
## 73	0	1	0 -0.2307284900	2
## 74	0	0	1 0.0277707970	NA
## 75	0	0	1 -0.0653473810	NA
## 76	1	0	0 -0.3663270800	NA
## 77	0	0	1 0.1674701600	3
## 79	0	1	0 -0.2249902500	2
## 80	1	0	0 -0.3368779100	1
## 81	1	0	0 -0.6467293500	1
## 83	0	0	1 0.3750540000	3
## 87	0	0	1 -0.0578261650	NA
## 88	0	0	1 -0.0579130500	NA
## 89	0	0	1 -0.0513596120	3
## 90	0	1	0 -0.1310943700	2
## 91	1	0	0 -0.6031035800	2
## 92	0	0	1 -0.0585140400	NA
## 93	0	0	1 -0.0565058030	NA
## 94	0	1	0 -0.1711074700	3
## 95	0	0	1 -0.0893220450	NA
## 96	0	0	1 0.0996914800	3
## 97	0	0	1 0.1210045100	NA
## 98	0	1	0 -0.1768744100	1
## 99	0	1	0 -0.2988306600	1
## 100	0	0	1 0.3942760800	1

## 101	0	1	0 -0.2828696700	NA
## 102	NA	NA	NA NA	NA
## 103	1	0	0 -0.7850037200	NA
## 105	1	0	0 -0.3434964400	2
## 107	NA	NA	NA NA	3
## 108	0	1	0 -0.2887599800	2
## 109	0	1	0 -0.2660471500	2
## 110	0	0	1 0.2448345900	NA
## 112	1	0	0 -0.3644263400	NA
## 113	0	1	0 -0.2171577500	2
## 116	1	0	0 -0.4057586500	NA
## 118	0	1	0 -0.2241515700	1
## 119	0	1	0 -0.2852051600	2
## 120	0	1	0 -0.2523715500	2
## 121	1	0	0 -0.3654721100	2
## 122	1	0	0 -0.4546248900	NA
## 123	0	1	0 -0.2705588300	1
## 124	NA	NA	NA NA	1
## 125	1	0	0 -0.4698100400	1
## 126	0	1	0 -0.3097995200	NA
## 127	0	1	0 -0.3005012300	1
## 128	1	0	0 -0.3285124000	2
## 129	1	0	0 -0.3707912600	1
## 131	1	0	0 -0.5554726100	1
## 132	1	0	0 -0.3673228600	2
## 134	NA	NA	NA NA	1
## 136	0	1	0 -0.1094388200	1
## 137	0	1	0 -0.1038405600	3
## 139	0	1	0 -0.2209409800	3
## 140	0	0	1 -0.0431820680	1
## 141	0	1	0 -0.2800340700	1
## 142	1	0	0 -0.4369279100	1
## 144	1	0	0 -0.4269334100	2
## 146	NA	NA	NA NA	1
## 147	0	0	1 -0.0782913270	NA
## 148	1	0	0 -0.4403687100	2
## 149	0	1	0 -0.1556297700	NA
## 150	0	1	0 -0.1403005400	2
## 151	0	0	1 0.3110078900	3
## 154	0	0	1 -0.0528302640	2
## 155	1	0	0 -0.4278318900	1
## 156	1	0	0 -0.3424889100	NA
## 157	0	1	0 -0.3077528200	2
## 158	1	0	0 -0.3920445700	1
## 159	0	0	1 0.4757433800	3
## 160	0	0	1 0.2061764200	NA
## 161	1	0	0 -0.4943979700	2
## 162	0	1	0 -0.2383752200	NA
## 163	0	1	0 -0.1100771800	3
## 164	1	0	0 -0.4637385000	NA
## 166	0	1	0 -0.1485243700	NA
## 167	1	0	0 -0.6929432200	1
## 168	0	0	1 -0.0707980690	3
## 169	1	0	0 -0.4608092300	2

## 170	1	0	0 -0.4195052100	3
## 171	1	0	0 -0.4445885400	1
## 172	1	0	0 -0.5306100200	2
## 174	0	1	0 -0.1419599500	3
## 175	1	0	0 -0.4002313300	NA
## 176	0	1	0 -0.3027050200	NA
## 177	0	0	1 -0.0311615150	3
## 179	1	0	0 -0.6342030200	NA
## 180	0	1	0 -0.1514440200	2
## 181	1	0	0 -0.4835607100	1
## 183	0	0	1 0.0202927030	3
## 184	1	0	0 -0.5284551400	1
## 185	0	1	0 -0.2121776500	3
## 186	1	0	0 -0.5437672700	NA
## 188	NA	NA	NA NA	2
## 190	0	1	0 -0.2897816000	1
## 193	1	0	0 -0.3982755200	1
## 194	0	0	1 0.1792167400	3
## 195	0	1	0 -0.1072200200	2
## 196	0	0	1 1.4653227000	3
## 198	0	1	0 -0.1681204700	2
## 199	NA	NA	NA NA	3
## 200	1	0	0 -0.4378028800	NA
## 202	0	0	1 0.0994199070	NA
## 203	0	0	1 0.1522231100	3
## 204	1	0	0 -0.3712999500	1
## 205	1	0	0 -0.5405393800	2
## 206	1	0	0 -0.4487651600	1
## 209	0	0	1 -0.0787629410	1
## 210	0	0	1 0.1240124800	3
## 211	1	0	0 -0.7717943800	1
## 212	NA	NA	NA NA	3
## 214	0	1	0 -0.1450812700	3
## 215	1	0	0 -0.3636362600	1
## 216	0	0	1 -0.0188617710	3
## 217	1	0	0 -0.3569878600	1
## 218	0	1	0 -0.1491603300	NA
## 220	0	0	1 -0.0340636340	3
## 222	0	0	1 0.0237751190	2
## 223	0	1	0 -0.1913554400	2
## 224	0	1	0 -0.3230357200	NA
## 225	0	0	1 0.1632321800	3
## 226	0	0	1 -0.0943348560	3
## 227	1	0	0 -0.4018426800	2
## 228	0	0	1 0.3636009100	3
## 229	0	1	0 -0.2773041100	NA
## 230	1	0	0 -0.5372346000	1
## 231	1	0	0 -0.3485523200	1
## 232	0	0	1 0.1414908800	3
## 233	1	0	0 -0.3303154400	2
## 234	0	0	1 0.0847179140	2
## 236	1	0	0 -0.4735539300	3
## 238	0	0	1 0.0610198380	3
## 239	0	1	0 -0.3255362500	NA

##	cyspost3cat.1	i_cyspost3cat1.1	i_cyspost3cat2.1	i_cyspost3cat3.1
## 1	NA	NA	NA	NA
## 2	2	0	1	0
## 3	2	0	1	0
## 4	NA	NA	NA	NA
## 5	3	0	0	1
## 6	2	0	1	0
## 7	1	1	0	0
## 8	2	0	1	0
## 10	NA	NA	NA	NA
## 11	NA	NA	NA	NA
## 12	2	0	1	0
## 13	3	0	0	1
## 14	NA	NA	NA	NA
## 16	2	0	1	0
## 17	1	1	0	0
## 18	3	0	0	1
## 19	NA	NA	NA	NA
## 20	2	0	1	0
## 21	1	1	0	0
## 23	2	0	1	0
## 25	3	0	0	1
## 26	NA	NA	NA	NA
## 27	NA	NA	NA	NA
## 28	3	0	0	1
## 29	NA	NA	NA	NA
## 30	2	0	1	0
## 33	2	0	1	0
## 34	1	1	0	0
## 35	NA	NA	NA	NA
## 36	NA	NA	NA	NA
## 37	1	1	0	0
## 38	2	0	1	0
## 39	NA	NA	NA	NA
## 40	3	0	0	1
## 41	1	1	0	0
## 43	NA	NA	NA	NA
## 44	1	1	0	0
## 45	NA	NA	NA	NA
## 46	2	0	1	0
## 47	2	0	1	0
## 48	1	1	0	0
## 49	NA	NA	NA	NA
## 50	NA	NA	NA	NA
## 51	3	0	0	1
## 52	1	1	0	0
## 54	3	0	0	1
## 55	1	1	0	0
## 56	3	0	0	1
## 57	NA	NA	NA	NA
## 58	1	1	0	0
## 59	2	0	1	0
## 60	1	1	0	0
## 62	1	1	0	0

## 65	2	0	1	0
## 67	3	0	0	1
## 68	3	0	0	1
## 69	1	1	0	0
## 70	NA	NA	NA	NA
## 71	1	1	0	0
## 72	NA	NA	NA	NA
## 73	2	0	1	0
## 74	NA	NA	NA	NA
## 75	NA	NA	NA	NA
## 76	NA	NA	NA	NA
## 77	3	0	0	1
## 79	2	0	1	0
## 80	1	1	0	0
## 81	1	1	0	0
## 83	3	0	0	1
## 87	NA	NA	NA	NA
## 88	NA	NA	NA	NA
## 89	3	0	0	1
## 90	2	0	1	0
## 91	2	0	1	0
## 92	NA	NA	NA	NA
## 93	NA	NA	NA	NA
## 94	3	0	0	1
## 95	NA	NA	NA	NA
## 96	3	0	0	1
## 97	NA	NA	NA	NA
## 98	1	1	0	0
## 99	1	1	0	0
## 100	1	1	0	0
## 101	NA	NA	NA	NA
## 102	NA	NA	NA	NA
## 103	NA	NA	NA	NA
## 105	2	0	1	0
## 107	3	0	0	1
## 108	2	0	1	0
## 109	2	0	1	0
## 110	NA	NA	NA	NA
## 112	NA	NA	NA	NA
## 113	2	0	1	0
## 116	NA	NA	NA	NA
## 118	1	1	0	0
## 119	2	0	1	0
## 120	2	0	1	0
## 121	2	0	1	0
## 122	NA	NA	NA	NA
## 123	1	1	0	0
## 124	1	1	0	0
## 125	1	1	0	0
## 126	NA	NA	NA	NA
## 127	1	1	0	0
## 128	2	0	1	0
## 129	1	1	0	0
## 131	1	1	0	0

## 132	2	0	1	0
## 134	1	1	0	0
## 136	1	1	0	0
## 137	3	0	0	1
## 139	3	0	0	1
## 140	1	1	0	0
## 141	1	1	0	0
## 142	1	1	0	0
## 144	2	0	1	0
## 146	1	1	0	0
## 147	NA	NA	NA	NA
## 148	2	0	1	0
## 149	NA	NA	NA	NA
## 150	2	0	1	0
## 151	3	0	0	1
## 154	2	0	1	0
## 155	1	1	0	0
## 156	NA	NA	NA	NA
## 157	2	0	1	0
## 158	1	1	0	0
## 159	3	0	0	1
## 160	NA	NA	NA	NA
## 161	2	0	1	0
## 162	NA	NA	NA	NA
## 163	3	0	0	1
## 164	NA	NA	NA	NA
## 166	NA	NA	NA	NA
## 167	1	1	0	0
## 168	3	0	0	1
## 169	2	0	1	0
## 170	3	0	0	1
## 171	1	1	0	0
## 172	2	0	1	0
## 174	3	0	0	1
## 175	NA	NA	NA	NA
## 176	NA	NA	NA	NA
## 177	3	0	0	1
## 179	NA	NA	NA	NA
## 180	2	0	1	0
## 181	1	1	0	0
## 183	3	0	0	1
## 184	1	1	0	0
## 185	3	0	0	1
## 186	NA	NA	NA	NA
## 188	2	0	1	0
## 190	1	1	0	0
## 193	1	1	0	0
## 194	3	0	0	1
## 195	2	0	1	0
## 196	3	0	0	1
## 198	2	0	1	0
## 199	3	0	0	1
## 200	NA	NA	NA	NA
## 202	NA	NA	NA	NA

## 203	3	0	0	1	
## 204	1	1	0	0	
## 205	2	0	1	0	
## 206	1	1	0	0	
## 209	1	1	0	0	
## 210	3	0	0	1	
## 211	1	1	0	0	
## 212	3	0	0	1	
## 214	3	0	0	1	
## 215	1	1	0	0	
## 216	3	0	0	1	
## 217	1	1	0	0	
## 218	NA	NA	NA	NA	
## 220	3	0	0	1	
## 222	2	0	1	0	
## 223	2	0	1	0	
## 224	NA	NA	NA	NA	
## 225	3	0	0	1	
## 226	3	0	0	1	
## 227	2	0	1	0	
## 228	3	0	0	1	
## 229	NA	NA	NA	NA	
## 230	1	1	0	0	
## 231	1	1	0	0	
## 232	3	0	0	1	
## 233	2	0	1	0	
## 234	2	0	1	0	
## 236	3	0	0	1	
## 238	3	0	0	1	
## 239	NA	NA	NA	NA	
##	logcys1.1	cysdiff.1	tcysdiff.1	cysdiff3cat.1	i_cysdiff3cat1.1
## 1	NA	NA	NA	NA	NA
## 2	-0.128517700	0.034729	2	2	0
## 3	-0.131519710	-0.062699	1	1	1
## 4	NA	NA	NA	NA	NA
## 5	0.806582990	0.934160	3	3	0
## 6	-0.203936700	-0.003910	2	2	0
## 7	-0.302870150	0.130988	2	2	0
## 8	-0.213796120	NA	NA	NA	NA
## 10	NA	NA	NA	NA	NA
## 11	NA	NA	NA	NA	NA
## 12	-0.202074570	-0.137114	1	1	1
## 13	0.503897670	NA	NA	NA	NA
## 14	NA	NA	NA	NA	NA
## 16	-0.102561100	0.452903	3	3	0
## 17	-0.512872700	NA	NA	NA	NA
## 18	0.105422510	0.433586	3	3	0
## 19	NA	NA	NA	NA	NA
## 20	-0.091375433	-0.007839	1	1	1
## 21	-0.336085500	0.019330	2	2	0
## 23	-0.041210610	-0.108803	1	1	1
## 25	0.812799570	-0.030930	1	1	1
## 26	NA	NA	NA	NA	NA
## 27	NA	NA	NA	NA	NA

## 28	0.290899400	0.145530	2	2	0
## 29	NA	NA	NA	NA	NA
## 30	-0.226046520	0.131811	2	2	0
## 33	-0.140749380	-0.007755	1	1	1
## 34	-0.446427730	-0.089145	1	1	1
## 35	NA	NA	NA	NA	NA
## 36	NA	NA	NA	NA	NA
## 37	-0.468865070	-0.093806	1	1	1
## 38	0.021281924	0.232763	3	3	0
## 39	NA	NA	NA	NA	NA
## 40	0.669315460	0.743490	3	3	0
## 41	-0.499598890	-0.064371	1	1	1
## 43	NA	NA	NA	NA	NA
## 44	-0.351515410	0.108000	2	2	0
## 45	NA	NA	NA	NA	NA
## 46	-0.177636150	-0.307613	1	1	1
## 47	-0.162530690	0.186175	3	3	0
## 48	-0.340125500	-0.034177	1	1	1
## 49	NA	NA	NA	NA	NA
## 50	NA	NA	NA	NA	NA
## 51	1.047708400	0.673510	3	3	0
## 52	-0.590076270	-0.082516	1	1	1
## 54	0.784709450	0.868080	3	3	0
## 55	-0.480134790	0.058257	2	2	0
## 56	0.225420950	0.284700	3	3	0
## 57	NA	NA	NA	NA	NA
## 58	-0.347558050	0.110678	2	2	0
## 59	-0.236065430	0.036812	2	2	0
## 60	-0.368932630	NA	NA	NA	NA
## 62	-0.417909200	-0.264060	1	1	1
## 65	-0.230452700	NA	NA	NA	NA
## 67	0.244826760	0.369774	3	3	0
## 68	0.061433706	0.062980	2	2	0
## 69	-0.414335850	0.000093	2	2	0
## 70	NA	NA	NA	NA	NA
## 71	-0.564194740	-0.100783	1	1	1
## 72	NA	NA	NA	NA	NA
## 73	-0.166319090	0.052821	2	2	0
## 74	NA	NA	NA	NA	NA
## 75	NA	NA	NA	NA	NA
## 76	NA	NA	NA	NA	NA
## 77	0.137533370	-0.034870	1	1	1
## 79	0.003204859	0.204686	3	3	0
## 80	-0.428970720	-0.062817	1	1	1
## 81	-0.359706670	0.174125	3	3	0
## 83	0.195073250	-0.239670	1	1	1
## 87	NA	NA	NA	NA	NA
## 88	NA	NA	NA	NA	NA
## 89	0.040287450	0.091173	2	2	0
## 90	-0.055852093	0.068544	2	2	0
## 91	-0.240179090	0.239376	3	3	0
## 92	NA	NA	NA	NA	NA
## 93	NA	NA	NA	NA	NA
## 94	0.294250460	0.499389	3	3	0

## 95	NA	NA	NA	NA	NA
## 96	0.306167660	0.253380	3	3	0
## 97	NA	NA	NA	NA	NA
## 98	-0.281538310	-0.083263	1	1	1
## 99	-0.337397660	-0.028060	1	1	1
## 100	-0.296814320	-0.740128	1	1	1
## 101	NA	NA	NA	NA	NA
## 102	NA	NA	NA	NA	NA
## 103	NA	NA	NA	NA	NA
## 105	-0.269385160	0.054563	2	2	0
## 107	0.283154340	NA	NA	NA	NA
## 108	-0.026993057	0.224176	3	3	0
## 109	-0.158658160	0.086885	2	2	0
## 110	NA	NA	NA	NA	NA
## 112	NA	NA	NA	NA	NA
## 113	-0.146688430	0.058760	2	2	0
## 116	NA	NA	NA	NA	NA
## 118	-0.392072680	-0.123539	1	1	1
## 119	-0.009709990	0.238477	3	3	0
## 120	-0.127695890	0.103165	2	2	0
## 121	-0.133765710	0.180926	3	3	0
## 122	NA	NA	NA	NA	NA
## 123	-0.297596400	-0.020352	1	1	1
## 124	-0.341039240	NA	NA	NA	NA
## 125	-0.561268390	-0.054636	1	1	1
## 126	NA	NA	NA	NA	NA
## 127	-0.308661940	-0.006018	2	1	1
## 128	-0.101066420	0.183879	3	3	0
## 129	-0.326817990	0.031027	2	2	0
## 131	-0.391517820	0.102229	2	2	0
## 132	-0.169580270	0.151433	2	2	0
## 134	-0.318354370	NA	NA	NA	NA
## 136	-0.364260790	-0.201627	1	1	1
## 137	0.354438450	0.524011	3	3	0
## 139	0.283952620	0.526606	3	3	0
## 140	-0.306089100	-0.221416	1	1	1
## 141	-0.385453670	-0.075616	1	1	1
## 142	-0.448815290	-0.007634	1	1	1
## 144	-0.120595990	0.233885	3	3	0
## 146	-0.304647830	NA	NA	NA	NA
## 147	NA	NA	NA	NA	NA
## 148	-0.204197910	0.171502	3	3	0
## 149	NA	NA	NA	NA	NA
## 150	-0.088773295	0.045956	2	2	0
## 151	0.396458000	0.121750	2	2	0
## 154	-0.209557520	-0.137598	1	1	1
## 155	-0.376561370	0.034296	2	2	0
## 156	NA	NA	NA	NA	NA
## 157	-0.238555460	0.052668	2	2	0
## 158	-0.381667520	0.007048	2	2	0
## 159	0.617313090	0.244730	3	3	0
## 160	NA	NA	NA	NA	NA
## 161	-0.050799731	0.340531	3	3	0
## 162	NA	NA	NA	NA	NA

## 163	0.146901610	0.262475	3	3	0
## 164	NA	NA	NA	NA	NA
## 166	NA	NA	NA	NA	NA
## 167	-0.740903560	-0.023419	1	1	1
## 168	0.085195564	0.157280	3	2	0
## 169	-0.162913130	0.218892	3	3	0
## 170	0.353673460	0.766918	3	3	0
## 171	-0.280322550	0.114452	2	2	0
## 172	-0.196538140	0.233324	3	3	0
## 174	0.972368540	1.776544	3	3	0
## 175	NA	NA	NA	NA	NA
## 176	NA	NA	NA	NA	NA
## 177	0.097017810	0.132561	2	2	0
## 179	NA	NA	NA	NA	NA
## 180	-0.169189360	-0.015117	1	1	1
## 181	-0.697285710	-0.118649	1	1	1
## 183	0.268552780	0.287570	3	3	0
## 184	-0.299086870	0.151980	2	2	0
## 185	0.128454770	0.328249	3	3	0
## 186	NA	NA	NA	NA	NA
## 188	-0.161115210	NA	NA	NA	NA
## 190	-0.380756880	-0.065083	1	1	1
## 193	-0.284663980	0.080790	2	2	0
## 194	0.865355250	1.179570	3	3	0
## 195	-0.235071910	-0.107814	1	1	1
## 196	1.268706600	-0.772690	1	1	1
## 198	-0.183416960	-0.012831	1	1	1
## 199	0.473466370	NA	NA	NA	NA
## 200	NA	NA	NA	NA	NA
## 202	NA	NA	NA	NA	NA
## 203	0.687541480	0.824400	3	3	0
## 204	-0.395528640	-0.016513	1	1	1
## 205	-0.223938870	0.216930	3	3	0
## 206	-0.572167460	-0.074115	1	1	1
## 209	-0.295151230	-0.179840	1	1	1
## 210	0.206819030	0.097730	2	2	0
## 211	-0.711087170	0.028927	2	2	0
## 212	0.069647327	NA	NA	NA	NA
## 214	0.076998077	0.215088	3	3	0
## 215	-0.360288620	0.002331	2	2	0
## 216	0.237937580	0.287315	3	3	0
## 217	-0.416059520	-0.040140	1	1	1
## 218	NA	NA	NA	NA	NA
## 220	0.344426240	0.444670	3	3	0
## 222	-0.148116100	-0.161729	1	1	1
## 223	-0.221915560	-0.024856	1	1	1
## 224	NA	NA	NA	NA	NA
## 225	0.288788970	0.157500	3	2	0
## 226	0.224933950	0.342262	3	3	0
## 227	-0.254737440	0.106034	2	2	0
## 228	0.091877021	-0.342270	1	1	1
## 229	NA	NA	NA	NA	NA
## 230	-0.285271640	0.167448	3	3	0
## 231	-0.295415910	0.038513	2	2	0

## 232	0.134696960	-0.007800	1	1	1
## 233	-0.228156090	0.077303	2	2	0
## 234	-0.155547990	-0.232464	1	1	1
## 236	0.048818734	0.427245	3	3	0
## 238	0.136068170	0.082840	2	2	0
## 239	NA	NA	NA	NA	NA
##	i_cysdiff3cat2.1	i_cysdiff3cat3.1	logcysdiff.1	til10_0.1	il10pre3cat.1
## 1	NA	NA	NA	3	3
## 2	1	0	-3.36018010	2	2
## 3	0	0	-6.90775540	2	2
## 4	NA	NA	NA	3	3
## 5	0	1	-0.06810755	2	2
## 6	1	0	-6.90775540	1	1
## 7	1	0	-2.03264950	1	1
## 8	NA	NA	NA	NA	NA
## 10	NA	NA	NA	3	3
## 11	NA	NA	NA	2	2
## 12	0	0	-6.90775540	3	3
## 13	NA	NA	NA	NA	NA
## 14	NA	NA	NA	1	1
## 16	0	1	-0.79207730	1	1
## 17	NA	NA	NA	NA	NA
## 18	0	1	-0.83566511	2	2
## 19	NA	NA	NA	NA	NA
## 20	0	0	-6.90775540	2	2
## 21	1	0	-3.94609690	3	3
## 23	0	0	-6.90775540	3	3
## 25	0	0	-6.90775540	3	3
## 26	NA	NA	NA	2	2
## 27	NA	NA	NA	3	3
## 28	1	0	-1.92737310	2	2
## 29	NA	NA	NA	2	2
## 30	1	0	-2.02638630	3	3
## 33	0	0	-6.90775540	3	3
## 34	0	0	-6.90775540	2	2
## 35	NA	NA	NA	2	2
## 36	NA	NA	NA	3	3
## 37	0	0	-6.90775540	3	3
## 38	0	1	-1.45773450	2	2
## 39	NA	NA	NA	1	1
## 40	0	1	-0.29639998	1	1
## 41	0	0	-6.90775540	2	2
## 43	NA	NA	NA	1	1
## 44	1	0	-2.22562410	1	1
## 45	NA	NA	NA	1	1
## 46	0	0	-6.90775540	1	1
## 47	0	1	-1.68106820	3	3
## 48	0	0	-6.90775540	1	1
## 49	NA	NA	NA	1	1
## 50	NA	NA	NA	1	1
## 51	0	1	-0.39525241	3	3
## 52	0	0	-6.90775540	1	1
## 54	0	1	-0.14147139	3	3
## 55	1	0	-2.84289100	1	1

## 56	0	1	-1.25631930	2	2
## 57	NA	NA	NA	3	3
## 58	1	0	-2.20113020	3	3
## 59	1	0	-3.30193140	2	2
## 60	NA	NA	NA	NA	NA
## 62	0	0	-6.90775540	1	1
## 65	NA	NA	NA	NA	NA
## 67	0	1	-0.99486321	2	2
## 68	1	0	-2.76493810	3	3
## 69	1	0	-9.28291130	2	2
## 70	NA	NA	NA	3	3
## 71	0	0	-6.90775540	1	1
## 72	NA	NA	NA	2	2
## 73	1	0	-2.94084640	3	3
## 74	NA	NA	NA	1	1
## 75	NA	NA	NA	1	1
## 76	NA	NA	NA	2	2
## 77	0	0	-6.90775540	1	1
## 79	0	1	-1.58627820	3	3
## 80	0	0	-6.90775540	3	3
## 81	0	1	-1.74798180	2	2
## 83	0	0	-6.90775540	2	2
## 87	NA	NA	NA	3	3
## 88	NA	NA	NA	1	1
## 89	1	0	-2.39499640	1	1
## 90	1	0	-2.68027950	2	2
## 91	0	1	-1.42971980	1	1
## 92	NA	NA	NA	1	1
## 93	NA	NA	NA	2	2
## 94	0	1	-0.69436997	1	1
## 95	NA	NA	NA	1	1
## 96	0	1	-1.37286500	1	1
## 97	NA	NA	NA	2	2
## 98	0	0	-6.90775540	2	2
## 99	0	0	-6.90775540	2	2
## 100	0	0	-6.90775540	3	3
## 101	NA	NA	NA	1	1
## 102	NA	NA	NA	NA	NA
## 103	NA	NA	NA	2	2
## 105	1	0	-2.90839930	1	1
## 107	NA	NA	NA	NA	NA
## 108	0	1	-1.49532380	2	2
## 109	1	0	-2.44316980	3	3
## 110	NA	NA	NA	2	2
## 112	NA	NA	NA	1	1
## 113	1	0	-2.83429380	2	2
## 116	NA	NA	NA	2	2
## 118	0	0	-6.90775540	1	1
## 119	0	1	-1.43348240	1	1
## 120	1	0	-2.27142570	1	1
## 121	0	1	-1.70966720	1	1
## 122	NA	NA	NA	2	2
## 123	0	0	-6.90775540	1	1
## 124	NA	NA	NA	NA	NA

## 125	0	0	-6.90775540	2	2
## 126	NA	NA	NA	1	1
## 127	0	0	-6.90775540	3	3
## 128	0	1	-1.69347730	3	3
## 129	1	0	-3.47289750	2	1
## 131	1	0	-2.28054000	2	2
## 132	1	0	-1.88761200	2	2
## 134	NA	NA	NA	NA	NA
## 136	0	0	-6.90775540	1	1
## 137	0	1	-0.64624256	2	2
## 139	0	1	-0.64130259	2	2
## 140	0	0	-6.90775540	3	3
## 141	0	0	-6.90775540	3	3
## 142	0	0	-6.90775540	3	3
## 144	0	1	-1.45292570	3	3
## 146	NA	NA	NA	NA	NA
## 147	NA	NA	NA	3	3
## 148	0	1	-1.76316030	3	2
## 149	NA	NA	NA	3	3
## 150	1	0	-3.08007070	1	1
## 151	1	0	-2.10578560	3	3
## 154	0	0	-6.90775540	1	1
## 155	1	0	-3.37272670	1	1
## 156	NA	NA	NA	3	3
## 157	1	0	-2.94374730	3	3
## 158	1	0	-4.95501140	3	3
## 159	0	1	-1.40759970	3	3
## 160	NA	NA	NA	3	3
## 161	0	1	-1.07724920	1	1
## 162	NA	NA	NA	1	1
## 163	0	1	-1.33759940	2	2
## 164	NA	NA	NA	3	3
## 166	NA	NA	NA	2	2
## 167	0	0	-6.90775540	2	2
## 168	1	0	-1.84972760	3	3
## 169	0	1	-1.51917680	3	3
## 170	0	1	-0.26537538	1	1
## 171	1	0	-2.16759970	1	1
## 172	0	1	-1.45532720	2	2
## 174	0	1	0.57466990	3	3
## 175	NA	NA	NA	1	1
## 176	NA	NA	NA	2	2
## 177	1	0	-2.02071240	3	3
## 179	NA	NA	NA	3	3
## 180	0	0	-6.90775540	2	2
## 181	0	0	-6.90775540	2	2
## 183	0	1	-1.24628900	3	3
## 184	1	0	-1.88400640	1	1
## 185	0	1	-1.11398280	1	1
## 186	NA	NA	NA	1	1
## 188	NA	NA	NA	NA	NA
## 190	0	0	-6.90775540	3	3
## 193	1	0	-2.51590200	2	2
## 194	0	1	0.16514993	2	2

## 195	0	0	-6.90775540	1	1
## 196	0	0	-6.90775540	3	3
## 198	0	0	-6.90775540	2	2
## 199	NA	NA	NA	NA	NA
## 200	NA	NA	NA	3	3
## 202	NA	NA	NA	1	1
## 203	0	1	-0.19309942	2	2
## 204	0	0	-6.90775540	3	3
## 205	0	1	-1.52818060	1	1
## 206	0	0	-6.90775540	2	2
## 209	0	0	-6.90775540	3	3
## 210	1	0	-2.32554670	3	3
## 211	1	0	-3.54298000	2	2
## 212	NA	NA	NA	NA	NA
## 214	0	1	-1.53670800	1	1
## 215	1	0	-6.06145810	2	2
## 216	0	1	-1.24717610	3	3
## 217	0	0	-6.90775540	3	3
## 218	NA	NA	NA	3	3
## 220	0	1	-0.81042284	3	3
## 222	0	0	-6.90775540	2	2
## 223	0	0	-6.90775540	1	1
## 224	NA	NA	NA	1	1
## 225	1	0	-1.84832980	3	3
## 226	0	1	-1.07217870	3	3
## 227	1	0	-2.24399540	3	3
## 228	0	0	-6.90775540	3	3
## 229	NA	NA	NA	3	3
## 230	0	1	-1.78708240	1	1
## 231	1	0	-3.25675940	1	1
## 232	0	0	-6.90775540	3	3
## 233	1	0	-2.56002260	1	1
## 234	0	0	-6.90775540	1	1
## 236	0	1	-0.85039771	1	1
## 238	1	0	-2.49084420	1	1
## 239	NA	NA	NA	2	2
##	i_il10pre3cat1.1	i_il10pre3cat2.1	i_il10pre3cat3.1	logil100.1	til10_1.1
## 1	0	0	1	-0.39600995	NA
## 2	0	1	0	-1.30195320	2
## 3	0	1	0	-1.26940060	3
## 4	0	0	1	-0.32711613	NA
## 5	0	1	0	-1.01887730	2
## 6	1	0	0	-1.58963530	1
## 7	1	0	0	-1.34323490	3
## 8	NA	NA	NA	NA	1
## 10	0	0	1	-0.79850769	NA
## 11	0	1	0	-0.92886949	NA
## 12	0	0	1	-0.19479908	2
## 13	NA	NA	NA	NA	2
## 14	1	0	0	-1.62964060	NA
## 16	1	0	0	-1.41058710	1
## 17	NA	NA	NA	NA	1
## 18	0	1	0	-1.22758270	2
## 19	NA	NA	NA	NA	NA

## 20	0	1	0 -1.20397280	1
## 21	0	0	1 -0.82325584	2
## 23	0	0	1 -0.76571786	2
## 25	0	0	1 -0.59420723	1
## 26	0	1	0 -1.19732820	NA
## 27	0	0	1 -0.53102833	NA
## 28	0	1	0 -1.16475210	2
## 29	0	1	0 -1.02443290	NA
## 30	0	0	1 -0.50749785	2
## 33	0	0	1 -0.52424866	2
## 34	0	1	0 -0.96495593	2
## 35	0	1	0 -0.89404011	NA
## 36	0	0	1 -0.24079849	NA
## 37	0	0	1 -0.61064595	2
## 38	0	1	0 -1.08767240	2
## 39	1	0	0 -1.83258150	NA
## 40	1	0	0 -1.60445030	2
## 41	0	1	0 -1.22077990	2
## 43	1	0	0 -1.83885110	NA
## 44	1	0	0 -1.57503650	1
## 45	1	0	0 -1.45671680	NA
## 46	1	0	0 -1.63989710	2
## 47	0	0	1 0.41210964	1
## 48	1	0	0 -1.69826910	1
## 49	1	0	0 -1.56064770	NA
## 50	1	0	0 -1.51868360	NA
## 51	0	0	1 -0.63865900	3
## 52	1	0	0 -1.39432660	2
## 54	0	0	1 -0.31197476	3
## 55	1	0	0 -1.87080260	3
## 56	0	1	0 -0.92381901	3
## 57	0	0	1 -0.20579492	NA
## 58	0	0	1 -0.68915516	1
## 59	0	1	0 -0.86988437	2
## 60	NA	NA	NA NA	2
## 62	1	0	0 -1.57021730	1
## 65	NA	NA	NA NA	3
## 67	0	1	0 -1.02443290	2
## 68	0	0	1 -0.40646562	2
## 69	0	1	0 -1.14885350	1
## 70	0	0	1 -0.60513628	NA
## 71	1	0	0 -1.59948750	1
## 72	0	1	0 -1.23100150	NA
## 73	0	0	1 -0.68517900	1
## 74	1	0	0 -1.39030240	NA
## 75	1	0	0 -2.20727490	NA
## 76	0	1	0 -0.93904769	NA
## 77	1	0	0 -2.18925640	3
## 79	0	0	1 -0.40646562	3
## 80	0	0	1 -0.73188800	1
## 81	0	1	0 -0.93394566	1
## 83	0	1	0 -0.94417596	1
## 87	0	0	1 0.57661337	NA
## 88	1	0	0 -1.84516020	NA

## 89	1	0	0 -1.61948820	1
## 90	0	1	0 -1.25176350	2
## 91	1	0	0 -2.66642860	2
## 92	1	0	0 -2.08747360	NA
## 93	0	1	0 -0.88916206	NA
## 94	1	0	0 -1.33941080	2
## 95	1	0	0 -1.33180620	NA
## 96	1	0	0 -1.43548460	3
## 97	0	1	0 -1.03563750	NA
## 98	0	1	0 -1.18090750	2
## 99	0	1	0 -1.20064500	2
## 100	0	0	1 1.37624410	3
## 101	1	0	0 -2.01740620	NA
## 102	NA	NA	NA NA	NA
## 103	0	1	0 -1.00239350	NA
## 105	1	0	0 -1.54646310	2
## 107	NA	NA	NA NA	1
## 108	0	1	0 -1.17118300	2
## 109	0	0	1 -0.11765804	3
## 110	0	1	0 -1.04412410	NA
## 112	1	0	0 -1.71479850	NA
## 113	0	1	0 -1.08470940	2
## 116	0	1	0 -1.16155210	NA
## 118	1	0	0 -2.84558960	1
## 119	1	0	0 -1.73727130	1
## 120	1	0	0 -1.57987920	3
## 121	1	0	0 -1.95899530	1
## 122	0	1	0 -1.11779510	NA
## 123	1	0	0 -1.70374860	1
## 124	NA	NA	NA NA	1
## 125	0	1	0 -1.17441400	3
## 126	1	0	0 -1.88387480	NA
## 127	0	0	1 0.63127178	3
## 128	0	0	1 -0.74233741	3
## 129	1	0	0 -1.32425890	1
## 131	0	1	0 -1.00512190	1
## 132	0	1	0 -1.22758270	1
## 134	NA	NA	NA NA	3
## 136	1	0	0 -2.60504250	2
## 137	0	1	0 -1.21066180	2
## 139	0	1	0 -0.85566610	3
## 140	0	0	1 -0.81644541	1
## 141	0	0	1 2.04510880	2
## 142	0	0	1 -0.69114918	3
## 144	0	0	1 -0.34814003	3
## 146	NA	NA	NA NA	2
## 147	0	0	1 0.18232156	NA
## 148	0	1	0 -0.83932972	1
## 149	0	0	1 -0.83701754	NA
## 150	1	0	0 -1.44816970	2
## 151	0	0	1 -0.48613301	2
## 154	1	0	0 -1.43969510	2
## 155	1	0	0 -1.50058350	3
## 156	0	0	1 -0.71743989	NA

## 157	0	0	1 -0.32434607	1
## 158	0	0	1 -0.37396646	2
## 159	0	0	1 -0.32989392	3
## 160	0	0	1 0.87962675	NA
## 161	1	0	0 -1.76026080	1
## 162	1	0	0 -1.40649710	NA
## 163	0	1	0 -1.20064500	3
## 164	0	0	1 -0.80296206	NA
## 166	0	1	0 -1.25526610	NA
## 167	0	1	0 -0.91130316	2
## 168	0	0	1 -0.61248928	2
## 169	0	0	1 0.63127178	3
## 170	1	0	0 -1.38230230	3
## 171	1	0	0 -1.37042110	1
## 172	0	1	0 -1.17765550	2
## 174	0	0	1 1.38128190	3
## 175	1	0	0 -1.36649170	NA
## 176	0	1	0 -0.86274999	NA
## 177	0	0	1 0.49469623	2
## 179	0	0	1 -0.55686957	NA
## 180	0	1	0 -1.06711360	3
## 181	0	1	0 -0.91879386	1
## 183	0	0	1 0.67803353	2
## 184	1	0	0 -1.80180980	3
## 185	1	0	0 -1.60943790	1
## 186	1	0	0 -1.46533750	NA
## 188	NA	NA	NA NA	3
## 190	0	0	1 -0.79628795	3
## 193	0	1	0 -1.00512190	2
## 194	0	1	0 -1.14256420	1
## 195	1	0	0 -1.37042110	3
## 196	0	0	1 -0.22439434	1
## 198	0	1	0 -1.14256420	2
## 199	NA	NA	NA NA	2
## 200	0	0	1 -0.56916118	NA
## 202	1	0	0 -1.49165490	NA
## 203	0	1	0 -1.09661420	2
## 204	0	0	1 -0.60148001	2
## 205	1	0	0 -1.41058710	1
## 206	0	1	0 -0.85566610	1
## 209	0	0	1 -0.80296206	3
## 210	0	0	1 -0.09431068	3
## 211	0	1	0 -1.04982210	2
## 212	NA	NA	NA NA	3
## 214	1	0	0 -1.83258150	2
## 215	0	1	0 -0.86274999	2
## 216	0	0	1 -0.53956807	2
## 217	0	0	1 -0.83701754	3
## 218	0	0	1 -0.75715250	NA
## 220	0	0	1 -0.51416451	3
## 222	0	1	0 -1.27654350	1
## 223	1	0	0 -1.37832620	1
## 224	1	0	0 -1.38629440	NA
## 225	0	0	1 -0.54818141	3

## 226	0	0	1 -0.82325584	3
## 227	0	0	1 -0.63111180	2
## 228	0	0	1 0.92821932	2
## 229	0	0	1 0.05826891	NA
## 230	1	0	0 -1.74296930	1
## 231	1	0	0 -1.94491060	3
## 232	0	0	1 -0.18995059	1
## 233	1	0	0 -1.42711640	1
## 234	1	0	0 -1.62964060	2
## 236	1	0	0 -1.41469380	3
## 238	1	0	0 -1.70374860	2
## 239	0	1	0 -1.26584820	NA
##	il10post3cat.1	i_il10post3cat1.1	i_il10post3cat2.1	i_il10post3cat3.1
## 1	NA	NA	NA	NA
## 2	2	0	1	0
## 3	3	0	0	1
## 4	NA	NA	NA	NA
## 5	2	0	1	0
## 6	1	1	0	0
## 7	3	0	0	1
## 8	1	1	0	0
## 10	NA	NA	NA	NA
## 11	NA	NA	NA	NA
## 12	2	0	1	0
## 13	2	0	1	0
## 14	NA	NA	NA	NA
## 16	1	1	0	0
## 17	1	1	0	0
## 18	2	0	1	0
## 19	NA	NA	NA	NA
## 20	1	1	0	0
## 21	2	0	1	0
## 23	2	0	1	0
## 25	1	1	0	0
## 26	NA	NA	NA	NA
## 27	NA	NA	NA	NA
## 28	2	0	1	0
## 29	NA	NA	NA	NA
## 30	2	0	1	0
## 33	2	0	1	0
## 34	2	0	1	0
## 35	NA	NA	NA	NA
## 36	NA	NA	NA	NA
## 37	2	0	1	0
## 38	2	0	1	0
## 39	NA	NA	NA	NA
## 40	2	0	1	0
## 41	2	0	1	0
## 43	NA	NA	NA	NA
## 44	1	1	0	0
## 45	NA	NA	NA	NA
## 46	2	0	1	0
## 47	1	1	0	0
## 48	1	1	0	0

## 49	NA	NA	NA	NA
## 50	NA	NA	NA	NA
## 51	3	0	0	1
## 52	2	0	1	0
## 54	3	0	0	1
## 55	3	0	0	1
## 56	3	0	0	1
## 57	NA	NA	NA	NA
## 58	1	1	0	0
## 59	2	0	1	0
## 60	2	0	1	0
## 62	1	1	0	0
## 65	3	0	0	1
## 67	2	0	1	0
## 68	2	0	1	0
## 69	1	1	0	0
## 70	NA	NA	NA	NA
## 71	1	1	0	0
## 72	NA	NA	NA	NA
## 73	1	1	0	0
## 74	NA	NA	NA	NA
## 75	NA	NA	NA	NA
## 76	NA	NA	NA	NA
## 77	3	0	0	1
## 79	3	0	0	1
## 80	1	1	0	0
## 81	1	1	0	0
## 83	1	1	0	0
## 87	NA	NA	NA	NA
## 88	NA	NA	NA	NA
## 89	1	1	0	0
## 90	2	0	1	0
## 91	2	0	1	0
## 92	NA	NA	NA	NA
## 93	NA	NA	NA	NA
## 94	2	0	1	0
## 95	NA	NA	NA	NA
## 96	3	0	0	1
## 97	NA	NA	NA	NA
## 98	2	0	1	0
## 99	2	0	1	0
## 100	3	0	0	1
## 101	NA	NA	NA	NA
## 102	NA	NA	NA	NA
## 103	NA	NA	NA	NA
## 105	2	0	1	0
## 107	1	1	0	0
## 108	2	0	1	0
## 109	3	0	0	1
## 110	NA	NA	NA	NA
## 112	NA	NA	NA	NA
## 113	2	0	1	0
## 116	NA	NA	NA	NA
## 118	1	1	0	0

## 119	1	1	0	0
## 120	3	0	0	1
## 121	1	1	0	0
## 122	NA	NA	NA	NA
## 123	1	1	0	0
## 124	1	1	0	0
## 125	3	0	0	1
## 126	NA	NA	NA	NA
## 127	3	0	0	1
## 128	3	0	0	1
## 129	1	1	0	0
## 131	1	1	0	0
## 132	1	1	0	0
## 134	3	0	0	1
## 136	2	0	1	0
## 137	2	0	1	0
## 139	3	0	0	1
## 140	1	1	0	0
## 141	2	0	1	0
## 142	3	0	0	1
## 144	3	0	0	1
## 146	2	0	1	0
## 147	NA	NA	NA	NA
## 148	1	1	0	0
## 149	NA	NA	NA	NA
## 150	2	0	1	0
## 151	2	0	1	0
## 154	2	0	1	0
## 155	3	0	0	1
## 156	NA	NA	NA	NA
## 157	1	1	0	0
## 158	2	0	1	0
## 159	3	0	0	1
## 160	NA	NA	NA	NA
## 161	1	1	0	0
## 162	NA	NA	NA	NA
## 163	3	0	0	1
## 164	NA	NA	NA	NA
## 166	NA	NA	NA	NA
## 167	2	0	1	0
## 168	2	0	1	0
## 169	3	0	0	1
## 170	3	0	0	1
## 171	1	1	0	0
## 172	2	0	1	0
## 174	3	0	0	1
## 175	NA	NA	NA	NA
## 176	NA	NA	NA	NA
## 177	2	0	1	0
## 179	NA	NA	NA	NA
## 180	3	0	0	1
## 181	1	1	0	0
## 183	2	0	1	0
## 184	3	0	0	1

## 185	1	1	0	0	
## 186	NA	NA	NA	NA	
## 188	3	0	0	1	
## 190	3	0	0	1	
## 193	2	0	1	0	
## 194	1	1	0	0	
## 195	3	0	0	1	
## 196	1	1	0	0	
## 198	2	0	1	0	
## 199	2	0	1	0	
## 200	NA	NA	NA	NA	
## 202	NA	NA	NA	NA	
## 203	2	0	1	0	
## 204	2	0	1	0	
## 205	1	1	0	0	
## 206	1	1	0	0	
## 209	3	0	0	1	
## 210	3	0	0	1	
## 211	2	0	1	0	
## 212	3	0	0	1	
## 214	2	0	1	0	
## 215	2	0	1	0	
## 216	2	0	1	0	
## 217	3	0	0	1	
## 218	NA	NA	NA	NA	
## 220	3	0	0	1	
## 222	1	1	0	0	
## 223	1	1	0	0	
## 224	NA	NA	NA	NA	
## 225	3	0	0	1	
## 226	3	0	0	1	
## 227	2	0	1	0	
## 228	2	0	1	0	
## 229	NA	NA	NA	NA	
## 230	1	1	0	0	
## 231	3	0	0	1	
## 232	1	1	0	0	
## 233	1	1	0	0	
## 234	2	0	1	0	
## 236	3	0	0	1	
## 238	2	0	1	0	
## 239	NA	NA	NA	NA	
##	logil101.1	il10diff.1	til10diff.1	il10diff3cat.1	i_il10diff3cat1.1
## 1	NA	NA	NA	NA	NA
## 2	-0.123298210	0.6120	2	2	0
## 3	0.322083500	1.0990	3	3	0
## 4	NA	NA	NA	NA	NA
## 5	0.009950331	0.6490	2	2	0
## 6	-1.324258900	0.0620	1	1	1
## 7	0.292669620	1.0790	3	3	0
## 8	-2.103734300	NA	NA	NA	NA
## 10	NA	NA	NA	NA	NA
## 11	NA	NA	NA	NA	NA
## 12	0.165514440	0.3570	2	2	0

## 13	0.009950331	NA	NA	NA	NA
## 14	NA	NA	NA	NA	NA
## 16	-0.502526820	0.3610	2	2	0
## 17	-0.606969480	NA	NA	NA	NA
## 18	0.231111720	0.9670	3	3	0
## 19	NA	NA	NA	NA	NA
## 20	-0.486133010	0.3150	2	1	1
## 21	0.067658648	0.6310	2	2	0
## 23	-0.235722330	0.3250	2	2	0
## 25	-0.489390340	0.0610	1	1	1
## 26	NA	NA	NA	NA	NA
## 27	NA	NA	NA	NA	NA
## 28	0.009950331	0.6980	2	2	0
## 29	NA	NA	NA	NA	NA
## 30	-0.229413170	0.1930	1	1	1
## 33	-0.286349620	0.1590	1	1	1
## 34	-0.297059240	0.3620	2	2	0
## 35	NA	NA	NA	NA	NA
## 36	NA	NA	NA	NA	NA
## 37	0.239016910	0.7270	2	2	0
## 38	0.048790164	0.7130	2	2	0
## 39	NA	NA	NA	NA	NA
## 40	0.198850860	1.0190	3	3	0
## 41	-0.182721630	0.5380	2	2	0
## 43	NA	NA	NA	NA	NA
## 44	-0.693147180	0.2930	1	1	1
## 45	NA	NA	NA	NA	NA
## 46	-0.260066900	0.5770	2	2	0
## 47	-0.970219080	-1.1310	1	1	1
## 48	-0.818710390	0.2580	1	1	1
## 49	NA	NA	NA	NA	NA
## 50	NA	NA	NA	NA	NA
## 51	0.398776110	0.9620	3	3	0
## 52	0.019802628	0.7720	2	2	0
## 54	0.712949810	1.3080	3	3	0
## 55	0.506817580	1.5060	3	3	0
## 56	0.688134610	1.5930	3	3	0
## 57	NA	NA	NA	NA	NA
## 58	-0.597836970	0.0480	1	1	1
## 59	-0.334075120	0.2970	1	1	1
## 60	-0.243346260	NA	NA	NA	NA
## 62	-1.090644100	0.1280	1	1	1
## 65	2.639057400	NA	NA	NA	NA
## 67	0.076961040	0.7210	2	2	0
## 68	-0.278392020	0.0910	1	1	1
## 69	-0.447850820	0.3220	2	2	0
## 70	NA	NA	NA	NA	NA
## 71	-0.697155180	0.2960	1	1	1
## 72	NA	NA	NA	NA	NA
## 73	-0.519193890	0.0910	1	1	1
## 74	NA	NA	NA	NA	NA
## 75	NA	NA	NA	NA	NA
## 76	NA	NA	NA	NA	NA
## 77	0.609765590	1.7280	3	3	0

## 79	0.683096830	1.3140	3	3	0
## 80	-0.450985610	0.1560	1	1	1
## 81	-0.492658320	0.2180	1	1	1
## 83	-0.846298340	0.0400	1	1	1
## 87	NA	NA	NA	NA	NA
## 88	NA	NA	NA	NA	NA
## 89	-1.439695100	0.0390	1	1	1
## 90	0.198850860	0.9340	3	3	0
## 91	-0.262664320	0.6995	2	2	0
## 92	NA	NA	NA	NA	NA
## 93	NA	NA	NA	NA	NA
## 94	-0.368169340	0.4300	2	2	0
## 95	NA	NA	NA	NA	NA
## 96	2.687847400	14.4620	3	3	0
## 97	NA	NA	NA	NA	NA
## 98	0.165514440	0.8730	3	3	0
## 99	-0.168418650	0.5440	2	2	0
## 100	0.524728540	-2.2700	1	1	1
## 101	NA	NA	NA	NA	NA
## 102	NA	NA	NA	NA	NA
## 103	NA	NA	NA	NA	NA
## 105	-0.030459208	0.7570	2	2	0
## 107	-0.687165080	NA	NA	NA	NA
## 108	-0.230671820	0.4840	2	2	0
## 109	1.054312000	1.9810	3	3	0
## 110	NA	NA	NA	NA	NA
## 112	NA	NA	NA	NA	NA
## 113	-0.104250020	0.5630	2	2	0
## 116	NA	NA	NA	NA	NA
## 118	-1.614450500	0.1409	1	1	1
## 119	-0.780886110	0.2820	1	1	1
## 120	0.698134720	1.8040	3	3	0
## 121	-0.713349880	0.3490	2	2	0
## 122	NA	NA	NA	NA	NA
## 123	-0.435408980	0.4650	2	2	0
## 124	-0.499226480	NA	NA	NA	NA
## 125	0.343589690	1.1010	3	3	0
## 126	NA	NA	NA	NA	NA
## 127	0.779324890	0.3000	1	1	1
## 128	0.815364840	1.7840	3	3	0
## 129	-0.644357030	0.2590	1	1	1
## 131	-0.761426030	0.1010	1	1	1
## 132	-0.687165080	0.2100	1	1	1
## 134	0.398776110	NA	NA	NA	NA
## 136	-0.151986360	0.7851	2	2	0
## 137	0.095310181	0.8020	2	2	0
## 139	0.609765590	1.4150	3	3	0
## 140	-0.860383090	-0.0190	1	1	1
## 141	-0.363843440	-7.0350	1	1	1
## 142	0.500775280	1.1490	3	3	0
## 144	0.662687960	1.2340	3	3	0
## 146	-0.378336430	NA	NA	NA	NA
## 147	NA	NA	NA	NA	NA
## 148	-0.520875930	0.1620	1	1	1

## 149	NA	NA	NA	NA	NA
## 150	-0.061875403	0.7050	2	2	0
## 151	-0.258770730	0.1570	1	1	1
## 154	-0.173163620	0.6040	2	2	0
## 155	2.083184500	7.8070	3	3	0
## 156	NA	NA	NA	NA	NA
## 157	-0.414001440	-0.0620	1	1	1
## 158	0.122217630	0.4420	2	2	0
## 159	0.667829390	1.2310	3	3	0
## 160	NA	NA	NA	NA	NA
## 161	-0.404965220	0.4950	2	2	0
## 162	NA	NA	NA	NA	NA
## 163	0.741937340	1.7990	3	3	0
## 164	NA	NA	NA	NA	NA
## 166	NA	NA	NA	NA	NA
## 167	0.122217630	0.7280	2	2	0
## 168	-0.079043210	0.3820	2	2	0
## 169	0.641853870	0.0200	1	1	1
## 170	0.285178930	1.0790	3	3	0
## 171	-0.572701040	0.3100	1	1	1
## 172	-0.139262070	0.5620	2	2	0
## 174	1.068153000	-1.0700	1	1	1
## 175	NA	NA	NA	NA	NA
## 176	NA	NA	NA	NA	NA
## 177	-0.135819720	-0.7670	1	1	1
## 179	NA	NA	NA	NA	NA
## 180	0.548121390	1.3860	3	3	0
## 181	-0.646263600	0.1250	1	1	1
## 183	0.165514440	-0.7900	1	1	1
## 184	0.717839780	1.8850	3	3	0
## 185	-0.460449430	0.4310	2	2	0
## 186	NA	NA	NA	NA	NA
## 188	1.205970800	NA	NA	NA	NA
## 190	1.187843400	2.8290	3	3	0
## 193	-0.155484900	0.4900	2	2	0
## 194	-0.407968250	0.3460	2	2	0
## 195	0.500775280	1.3960	3	3	0
## 196	-0.509160340	-0.1980	1	1	1
## 198	-0.040821996	0.6410	2	2	0
## 199	-0.095410183	NA	NA	NA	NA
## 200	NA	NA	NA	NA	NA
## 202	NA	NA	NA	NA	NA
## 203	-0.022245608	0.6440	2	2	0
## 204	-0.082295246	0.3730	2	2	0
## 205	-1.439695100	-0.0070	1	1	1
## 206	-0.463624030	0.2040	1	1	1
## 209	0.951657890	2.1420	3	3	0
## 210	1.363537400	3.0000	3	3	0
## 211	-0.046043940	0.6050	2	2	0
## 212	0.536493360	NA	NA	NA	NA
## 214	0.148420010	1.0000	3	3	0
## 215	-0.260066900	0.3490	2	2	0
## 216	-0.359536170	0.1150	1	1	1
## 217	0.797507170	1.7870	3	3	0

## 218	NA	NA	NA	NA	NA
## 220	1.456286800	3.6920	3	3	0
## 222	-0.886731920	0.1330	1	1	1
## 223	-1.456716800	-0.0190	1	1	1
## 224	NA	NA	NA	NA	NA
## 225	1.105256800	2.4420	3	3	0
## 226	0.615185620	1.4110	3	3	0
## 227	-0.342490320	0.1780	1	1	1
## 228	-0.068278842	-1.5960	1	1	1
## 229	NA	NA	NA	NA	NA
## 230	-0.669430670	0.3370	2	2	0
## 231	0.512823640	1.5270	3	3	0
## 232	-0.409473120	-0.1630	1	1	1
## 233	-0.757152500	0.2290	1	1	1
## 234	-0.183922840	0.6360	2	2	0
## 236	0.307484690	1.1170	3	3	0
## 238	-0.316081550	0.5470	2	2	0
## 239	NA	NA	NA	NA	NA
##	i_il10diff3cat2.1	i_il10diff3cat3.1	logil10diff.1	til6_0.1	il6pre3cat.1
## 1	NA	NA	NA	2	2
## 2	1	0	-0.49102300	1	1
## 3	0	1	0.09440065	1	1
## 4	NA	NA	NA	3	3
## 5	1	0	-0.43232259	2	2
## 6	0	0	-2.78062080	1	1
## 7	0	1	0.07603468	2	2
## 8	NA	NA	NA	NA	NA
## 10	NA	NA	NA	3	3
## 11	NA	NA	NA	3	3
## 12	1	0	-1.03001950	2	2
## 13	NA	NA	NA	NA	NA
## 14	NA	NA	NA	1	1
## 16	1	0	-1.01887730	2	2
## 17	NA	NA	NA	NA	NA
## 18	0	1	-0.03355677	1	1
## 19	NA	NA	NA	NA	NA
## 20	0	0	-1.15518260	2	2
## 21	1	0	-0.46044946	2	2
## 23	1	0	-1.12393010	3	3
## 25	0	0	-2.79688140	3	3
## 26	NA	NA	NA	2	2
## 27	NA	NA	NA	1	1
## 28	1	0	-0.35953617	1	1
## 29	NA	NA	NA	1	1
## 30	0	0	-1.64506510	1	1
## 33	0	0	-1.83885110	3	3
## 34	1	0	-1.01611110	1	1
## 35	NA	NA	NA	3	3
## 36	NA	NA	NA	3	3
## 37	1	0	-0.31882879	3	3
## 38	1	0	-0.33827385	3	3
## 39	NA	NA	NA	1	1
## 40	0	1	0.01882181	1	1
## 41	1	0	-0.61989677	1	1

## 43	NA	NA	NA	1	1
## 44	0	0	-1.22758260	2	2
## 45	NA	NA	NA	2	2
## 46	1	0	-0.54991299	2	2
## 47	0	0	-6.90775540	3	3
## 48	0	0	-1.35479570	2	2
## 49	NA	NA	NA	2	2
## 50	NA	NA	NA	2	2
## 51	0	1	-0.03874081	3	3
## 52	1	0	-0.25877070	1	1
## 54	0	1	0.26849923	3	3
## 55	0	1	0.40945715	1	1
## 56	0	1	0.46561906	2	2
## 57	NA	NA	NA	1	1
## 58	0	0	-3.03655430	1	1
## 59	0	0	-1.21402310	2	2
## 60	NA	NA	NA	NA	NA
## 62	0	0	-2.05572490	1	1
## 65	NA	NA	NA	NA	NA
## 67	1	0	-0.32711613	3	3
## 68	0	0	-2.39689590	2	2
## 69	1	0	-1.13320370	2	2
## 70	NA	NA	NA	1	1
## 71	0	0	-1.21739580	2	2
## 72	NA	NA	NA	2	2
## 73	0	0	-2.39689590	1	1
## 74	NA	NA	NA	2	2
## 75	NA	NA	NA	2	2
## 76	NA	NA	NA	3	3
## 77	0	1	0.54696470	2	2
## 79	0	1	0.27307594	3	3
## 80	0	0	-1.85789930	1	1
## 81	0	0	-1.52326020	1	1
## 83	0	0	-3.21887590	1	1
## 87	NA	NA	NA	3	3
## 88	NA	NA	NA	1	1
## 89	0	0	-3.24419360	2	2
## 90	0	1	-0.06827883	1	1
## 91	1	0	-0.35738945	1	1
## 92	NA	NA	NA	2	2
## 93	NA	NA	NA	3	3
## 94	1	0	-0.84397006	2	2
## 95	NA	NA	NA	2	2
## 96	0	1	2.67152450	1	1
## 97	NA	NA	NA	3	3
## 98	0	1	-0.13581969	2	2
## 99	1	0	-0.60880595	1	1
## 100	0	0	-6.90775540	2	2
## 101	NA	NA	NA	1	1
## 102	NA	NA	NA	NA	NA
## 103	NA	NA	NA	1	1
## 105	1	0	-0.27839199	1	1
## 107	NA	NA	NA	NA	NA
## 108	1	0	-0.72567040	2	2

## 109	0	1	0.68360174	2	2
## 110	NA	NA	NA	1	1
## 112	NA	NA	NA	1	1
## 113	1	0	-0.57447559	2	2
## 116	NA	NA	NA	3	3
## 118	0	0	-1.95970490	1	1
## 119	0	0	-1.26584820	1	1
## 120	0	1	0.59000641	1	1
## 121	1	0	-1.05268340	1	1
## 122	NA	NA	NA	1	1
## 123	1	0	-0.76571786	2	2
## 124	NA	NA	NA	NA	NA
## 125	0	1	0.09621882	2	2
## 126	NA	NA	NA	2	2
## 127	0	0	-1.20397280	2	2
## 128	0	1	0.57885808	3	3
## 129	0	0	-1.35092720	2	2
## 131	0	0	-2.29263470	1	1
## 132	0	0	-1.56064770	1	1
## 134	NA	NA	NA	NA	NA
## 136	1	0	-0.24194421	1	1
## 137	1	0	-0.22064669	3	3
## 139	0	1	0.34712949	3	3
## 140	0	0	-6.90775540	2	2
## 141	0	0	-6.90775540	3	3
## 142	0	1	0.13889204	3	3
## 144	0	1	0.21026090	3	3
## 146	NA	NA	NA	NA	NA
## 147	NA	NA	NA	2	2
## 148	0	0	-1.82015900	3	3
## 149	NA	NA	NA	1	1
## 150	1	0	-0.34955749	1	1
## 151	0	0	-1.85150950	2	2
## 154	1	0	-0.50418115	2	2
## 155	0	1	2.05502080	1	1
## 156	NA	NA	NA	2	2
## 157	0	0	-6.90775540	2	2
## 158	1	0	-0.81644541	1	1
## 159	0	1	0.20782681	2	2
## 160	NA	NA	NA	2	2
## 161	1	0	-0.70319748	3	3
## 162	NA	NA	NA	2	2
## 163	0	1	0.58723098	2	2
## 164	NA	NA	NA	1	1
## 166	NA	NA	NA	3	3
## 167	1	0	-0.31745425	2	2
## 168	1	0	-0.96233469	3	3
## 169	0	0	-3.91202310	3	3
## 170	0	1	0.07603468	2	2
## 171	0	0	-1.17118300	1	1
## 172	1	0	-0.57625347	1	1
## 174	0	0	-6.90775540	3	3
## 175	NA	NA	NA	3	3
## 176	NA	NA	NA	1	1

## 177	0	0	-6.90775540	3	3
## 179	NA	NA	NA	1	1
## 180	0	1	0.32642192	1	1
## 181	0	0	-2.07944150	3	3
## 183	0	0	-6.90775540	3	3
## 184	0	1	0.63392782	2	2
## 185	1	0	-0.84164721	1	1
## 186	NA	NA	NA	1	1
## 188	NA	NA	NA	NA	NA
## 190	0	1	1.03992330	2	2
## 193	1	0	-0.71334988	2	2
## 194	1	0	-1.06131650	3	3
## 195	0	1	0.33361101	3	3
## 196	0	0	-6.90775540	3	3
## 198	1	0	-0.44472587	3	3
## 199	NA	NA	NA	NA	NA
## 200	NA	NA	NA	1	1
## 202	NA	NA	NA	1	1
## 203	1	0	-0.44005656	3	3
## 204	1	0	-0.98617685	1	1
## 205	0	0	-6.90775540	2	2
## 206	0	0	-1.58963530	1	1
## 209	0	1	0.76173997	3	3
## 210	0	1	1.09861230	3	3
## 211	1	0	-0.50252676	1	1
## 212	NA	NA	NA	NA	NA
## 214	0	1	0.00000000	2	2
## 215	1	0	-1.05268340	2	2
## 216	0	0	-2.16282320	1	1
## 217	0	1	0.58053821	1	1
## 218	NA	NA	NA	2	2
## 220	0	1	1.30616830	1	1
## 222	0	0	-2.01740620	1	1
## 223	0	0	-6.90775540	3	3
## 224	NA	NA	NA	1	1
## 225	0	1	0.89281732	2	2
## 226	0	1	0.34429869	1	1
## 227	0	0	-1.72597170	1	1
## 228	0	0	-6.90775540	2	2
## 229	NA	NA	NA	3	3
## 230	1	0	-1.08767240	2	2
## 231	0	1	0.42330500	3	3
## 232	0	0	-6.90775540	3	3
## 233	0	0	-1.47403320	2	2
## 234	1	0	-0.45255676	1	1
## 236	0	1	0.11064651	3	3
## 238	1	0	-0.60330647	2	2
## 239	NA	NA	NA	1	1
##	i_il6pre3cat1.1	i_il6pre3cat2.1	i_il6pre3cat3.1	logil60.1	til6_1.1
## 1	0	1	0	0.104360010	NA
## 2	1	0	0	-0.742337410	2
## 3	1	0	0	-0.348140030	1
## 4	0	0	1	1.047318900	NA
## 5	0	1	0	0.494696230	3

## 6	1	0	0 -0.055512711	1
## 7	0	1	0 0.652325210	2
## 8	NA	NA	NA NA	1
## 10	0	0	1 2.970414400	NA
## 11	0	0	1 0.982078490	NA
## 12	0	1	0 0.165514440	2
## 13	NA	NA	NA NA	3
## 14	1	0	0 -0.065072000	NA
## 16	0	1	0 0.631271780	2
## 17	NA	NA	NA NA	1
## 18	1	0	0 -0.220646660	2
## 19	NA	NA	NA NA	NA
## 20	0	1	0 0.300104590	3
## 21	0	1	0 0.223143550	1
## 23	0	0	1 0.862889950	3
## 25	0	0	1 1.856298000	2
## 26	0	1	0 0.190620360	NA
## 27	1	0	0 -0.290352310	NA
## 28	1	0	0 -0.894040110	2
## 29	1	0	0 -0.132389190	NA
## 30	1	0	0 -0.332679450	3
## 33	0	0	1 1.824549300	2
## 34	1	0	0 -1.439695100	1
## 35	0	0	1 2.379546200	NA
## 36	0	0	1 1.724550700	NA
## 37	0	0	1 2.415913800	3
## 38	0	0	1 1.846878800	2
## 39	1	0	0 -0.037701868	NA
## 40	1	0	0 -0.032523192	2
## 41	1	0	0 -0.196014880	2
## 43	1	0	0 -0.466808740	NA
## 44	0	1	0 0.307484690	1
## 45	0	1	0 0.636576830	NA
## 46	0	1	0 0.542324300	2
## 47	0	0	1 4.085976100	1
## 48	0	1	0 0.239016910	1
## 49	0	1	0 0.512823640	NA
## 50	0	1	0 0.231111720	NA
## 51	0	0	1 1.187843400	2
## 52	1	0	0 -0.081210054	3
## 54	0	0	1 1.834180200	2
## 55	1	0	0 -0.579818490	2
## 56	0	1	0 0.418710320	2
## 57	1	0	0 0.076961040	NA
## 58	1	0	0 -0.139262070	1
## 59	0	1	0 0.371563550	2
## 60	NA	NA	NA NA	1
## 62	1	0	0 -0.440056560	1
## 65	NA	NA	NA NA	3
## 67	0	0	1 0.871293370	2
## 68	0	1	0 0.500775280	1
## 69	0	1	0 0.482426140	2
## 70	1	0	0 -0.117658040	NA
## 71	0	1	0 0.693147180	1

## 72	0	1	0	0.672944490	NA
## 73	1	0	0	-0.277071890	2
## 74	0	1	0	0.131028260	NA
## 75	0	1	0	0.476234170	NA
## 76	0	0	1	1.345472300	NA
## 77	0	1	0	0.536493360	2
## 79	0	0	1	1.894616800	3
## 80	1	0	0	-0.744440500	1
## 81	1	0	0	-0.040821996	3
## 83	1	0	0	0.058268908	2
## 87	0	0	1	1.896119500	NA
## 88	1	0	0	-0.625488520	NA
## 89	0	1	0	0.165514440	1
## 90	1	0	0	-0.619896710	2
## 91	1	0	0	-0.064005330	3
## 92	0	1	0	0.672944490	NA
## 93	0	0	1	2.129421500	NA
## 94	0	1	0	0.774727170	2
## 95	0	1	0	0.518793820	NA
## 96	1	0	0	-0.757152500	1
## 97	0	0	1	0.900161330	NA
## 98	0	1	0	0.223143550	2
## 99	1	0	0	-0.648173810	1
## 100	0	1	0	0.756121990	3
## 101	1	0	0	-0.025317809	NA
## 102	NA	NA	NA	NA	NA
## 103	1	0	0	-0.210721030	NA
## 105	1	0	0	-0.180323560	1
## 107	NA	NA	NA	NA	2
## 108	0	1	0	0.708035770	1
## 109	0	1	0	0.530628260	2
## 110	1	0	0	-0.827822090	NA
## 112	1	0	0	-0.556869570	NA
## 113	0	1	0	0.631271780	2
## 116	0	0	1	2.036011900	NA
## 118	1	0	0	-0.612489280	2
## 119	1	0	0	-0.318828790	1
## 120	1	0	0	-0.588787140	1
## 121	1	0	0	-0.009040745	2
## 122	1	0	0	-0.109814870	NA
## 123	0	1	0	0.438254920	1
## 124	NA	NA	NA	NA	3
## 125	0	1	0	0.262364270	2
## 126	0	1	0	0.746687950	NA
## 127	0	1	0	0.165514440	3
## 128	0	0	1	1.124929500	3
## 129	0	1	0	0.300104590	1
## 131	1	0	0	-0.100925910	2
## 132	1	0	0	-0.614336010	3
## 134	NA	NA	NA	NA	2
## 136	1	0	0	-0.548181410	2
## 137	0	0	1	1.004301700	3
## 139	0	0	1	1.350667200	3
## 140	0	1	0	0.756121990	2

## 141	0	0	1	4.247065500	3
## 142	0	0	1	1.840549600	3
## 144	0	0	1	1.022450900	3
## 146	NA	NA	NA	NA	3
## 147	0	1	0	0.815364840	NA
## 148	0	0	1	1.305626500	2
## 149	1	0	0	-0.029428810	NA
## 150	1	0	0	-1.114741700	1
## 151	0	1	0	0.451075610	2
## 154	0	1	0	0.470003630	1
## 155	1	0	0	-0.524248660	3
## 156	0	1	0	0.343589690	NA
## 157	0	1	0	0.760805850	1
## 158	1	0	0	0.067658648	2
## 159	0	1	0	0.277631730	3
## 160	0	1	0	0.173953310	NA
## 161	0	0	1	2.379546200	3
## 162	0	1	0	0.104360010	NA
## 163	0	1	0	0.131028260	2
## 164	1	0	0	-0.198450940	NA
## 166	0	0	1	1.488399600	NA
## 167	0	1	0	0.277631730	3
## 168	0	0	1	3.135494200	3
## 169	0	0	1	1.486139700	1
## 170	0	1	0	0.530628260	3
## 171	1	0	0	-0.366725270	2
## 172	1	0	0	-0.601480010	2
## 174	0	0	1	4.553876900	3
## 175	0	0	1	1.137833000	NA
## 176	1	0	0	-0.298406030	NA
## 177	0	0	1	4.590056400	2
## 179	1	0	0	-0.891598110	NA
## 180	1	0	0	-0.757152500	2
## 181	0	0	1	1.420695800	2
## 183	0	0	1	1.922787800	2
## 184	0	1	0	0.647103250	1
## 185	1	0	0	-0.205794920	2
## 186	1	0	0	-0.256183420	NA
## 188	NA	NA	NA	NA	2
## 190	0	1	0	0.792992530	3
## 193	0	1	0	0.398776110	2
## 194	0	0	1	4.365643000	3
## 195	0	0	1	1.078409600	3
## 196	0	0	1	2.059238900	3
## 198	0	0	1	3.499533200	1
## 199	NA	NA	NA	NA	2
## 200	1	0	0	-0.499226480	NA
## 202	1	0	0	-0.132389190	NA
## 203	0	0	1	2.341805700	2
## 204	1	0	0	-0.634878280	3
## 205	0	1	0	0.815364840	1
## 206	1	0	0	-0.640554730	2
## 209	0	0	1	1.726331700	3
## 210	0	0	1	1.235471500	3

## 211	1	0	0 -0.596020460	1
## 212	NA	NA	NA NA	3
## 214	0	1	0 0.148420010	1
## 215	0	1	0 0.463734030	1
## 216	1	0	0 -0.098715976	2
## 217	1	0	0 -0.707246120	1
## 218	0	1	0 0.657520000	NA
## 220	1	0	0 -0.655851420	3
## 222	1	0	0 0.048790164	3
## 223	0	0	1 1.549687900	1
## 224	1	0	0 -0.458865880	NA
## 225	0	1	0 0.418710320	3
## 226	1	0	0 -0.092115290	3
## 227	1	0	0 -0.107585210	2
## 228	0	1	0 0.641853870	3
## 229	0	0	1 1.156881200	NA
## 230	0	1	0 0.173953310	2
## 231	0	0	1 0.862889950	3
## 232	0	0	1 1.033184500	1
## 233	0	1	0 0.593326870	2
## 234	1	0	0 -0.522560890	1
## 236	0	0	1 2.501436000	1
## 238	0	1	0 0.524728540	2
## 239	1	0	0 -0.752897200	NA
##	il6post3cat.1	i_il6post3cat1.1	i_il6post3cat2.1	i_il6post3cat3.1
## 1	NA	NA	NA	NA
## 2	2	0	1	0 3.3322046
## 3	1	1	0	0 2.9285235
## 4	NA	NA	NA	NA
## 5	3	0	0	1 3.7635231
## 6	1	1	0	0 2.6741486
## 7	2	0	1	0 3.3945084
## 8	1	1	0	0 -0.8301131
## 10	NA	NA	NA	NA
## 11	NA	NA	NA	NA
## 12	2	0	1	0 3.1135154
## 13	3	0	0	1 3.9396381
## 14	NA	NA	NA	NA
## 16	2	0	1	0 3.3214324
## 17	1	1	0	0 2.1905355
## 18	2	0	1	0 3.5351453
## 19	NA	NA	NA	NA
## 20	3	0	0	1 3.8628328
## 21	1	1	0	0 2.7850113
## 23	3	0	0	1 4.0055132
## 25	2	0	1	0 3.1904764
## 26	NA	NA	NA	NA
## 27	NA	NA	NA	NA
## 28	2	0	1	0 3.1986730
## 29	NA	NA	NA	NA
## 30	3	0	0	1 4.1222839
## 33	2	0	1	0 3.0680530
## 34	1	1	0	0 2.3887627
## 35	NA	NA	NA	NA

## 36	NA	NA	NA	NA	NA
## 37	3	0	0	1	3.6938670
## 38	2	0	1	0	3.5055573
## 39	NA	NA	NA	NA	NA
## 40	2	0	1	0	3.2995338
## 41	2	0	1	0	3.3178158
## 43	NA	NA	NA	NA	NA
## 44	1	1	0	0	2.7013612
## 45	NA	NA	NA	NA	NA
## 46	2	0	1	0	3.1090610
## 47	1	1	0	0	2.8213789
## 48	1	1	0	0	2.4595888
## 49	NA	NA	NA	NA	NA
## 50	NA	NA	NA	NA	NA
## 51	2	0	1	0	3.1311369
## 52	3	0	0	1	4.8283138
## 54	2	0	1	0	3.6189933
## 55	2	0	1	0	3.0301337
## 56	2	0	1	0	3.0773122
## 57	NA	NA	NA	NA	NA
## 58	1	1	0	0	2.8154087
## 59	2	0	1	0	3.2027464
## 60	1	1	0	0	2.3513753
## 62	1	1	0	0	2.8154087
## 65	2	0	1	0	3.6712246
## 67	2	0	1	0	3.5862930
## 68	1	1	0	0	1.7474592
## 69	2	0	1	0	3.4657359
## 70	NA	NA	NA	NA	NA
## 71	1	1	0	0	2.9907198
## 72	NA	NA	NA	NA	NA
## 73	2	0	1	0	3.0955777
## 74	NA	NA	NA	NA	NA
## 75	NA	NA	NA	NA	NA
## 76	NA	NA	NA	NA	NA
## 77	2	0	1	0	3.5862930
## 79	3	0	0	1	4.6443911
## 80	1	1	0	0	2.9338570
## 81	3	0	0	1	4.3956828
## 83	2	0	1	0	3.2425923
## 87	NA	NA	NA	NA	NA
## 88	NA	NA	NA	NA	NA
## 89	1	1	0	0	1.6826884
## 90	1	1	0	0	3.0252910
## 91	3	0	0	1	4.5570297
## 92	NA	NA	NA	NA	NA
## 93	NA	NA	NA	NA	NA
## 94	2	0	1	0	3.2503746
## 95	NA	NA	NA	NA	NA
## 96	1	1	0	0	2.4765384
## 97	NA	NA	NA	NA	NA
## 98	1	1	0	0	3.0204248
## 99	1	1	0	0	2.8154087
## 100	3	0	0	1	4.1351666

## 101	NA	NA	NA	NA	NA
## 102	NA	NA	NA	NA	NA
## 103	NA	NA	NA	NA	NA
## 105	1	1	0	0	2.2554934
## 107	2	0	1	0	3.4657359
## 108	1	1	0	0	2.3223877
## 109	2	0	1	0	3.4750671
## 110	NA	NA	NA	NA	NA
## 112	NA	NA	NA	NA	NA
## 113	2	0	1	0	3.5292974
## 116	NA	NA	NA	NA	NA
## 118	2	0	1	0	3.5496173
## 119	1	1	0	0	2.8622010
## 120	1	1	0	0	2.4849067
## 121	2	0	1	0	3.5467396
## 122	NA	NA	NA	NA	NA
## 123	1	1	0	0	2.5494452
## 124	3	0	0	1	4.1222839
## 125	2	0	1	0	3.1527359
## 126	NA	NA	NA	NA	NA
## 127	3	0	0	1	4.8441873
## 128	3	0	0	1	4.5601730
## 129	1	1	0	0	2.5877640
## 131	1	1	0	0	3.0252910
## 132	3	0	0	1	3.7447870
## 134	2	0	1	0	3.5890591
## 136	2	0	1	0	3.0910425
## 137	3	0	0	1	3.9396381
## 139	3	0	0	1	4.5591264
## 140	2	0	1	0	3.1654751
## 141	3	0	0	1	4.5119576
## 142	3	0	0	1	5.2933049
## 144	3	0	0	1	4.2002048
## 146	3	0	0	1	3.7727609
## 147	NA	NA	NA	NA	NA
## 148	2	0	1	0	3.1863527
## 149	NA	NA	NA	NA	NA
## 150	1	1	0	0	2.8678989
## 151	2	0	1	0	3.6027768
## 154	1	1	0	0	2.8564701
## 155	3	0	0	1	4.0517850
## 156	NA	NA	NA	NA	NA
## 157	1	1	0	0	2.7212954
## 158	2	0	1	0	3.1000922
## 159	3	0	0	1	4.4520192
## 160	NA	NA	NA	NA	NA
## 161	3	0	0	1	4.4852600
## 162	NA	NA	NA	NA	NA
## 163	2	0	1	0	3.1570003
## 164	NA	NA	NA	NA	NA
## 166	NA	NA	NA	NA	NA
## 167	3	0	0	1	4.2355547
## 168	3	0	0	1	3.7796338
## 169	1	1	0	0	1.9459101

## 170	3	0	0	1	3.8712010
## 171	2	0	1	0	3.2268441
## 172	2	0	1	0	3.0492730
## 174	3	0	0	1	4.1059437
## 175	NA	NA	NA	NA	NA
## 176	NA	NA	NA	NA	NA
## 177	2	0	1	0	3.2733641
## 179	NA	NA	NA	NA	NA
## 180	2	0	1	0	3.5234151
## 181	2	0	1	0	3.5973122
## 183	2	0	1	0	3.5973122
## 184	1	1	0	0	2.7343676
## 185	2	0	1	0	3.5610461
## 186	NA	NA	NA	NA	NA
## 188	2	0	1	0	3.5524869
## 190	3	0	0	1	4.0707345
## 193	2	0	1	0	3.5695326
## 194	3	0	0	1	5.5909872
## 195	3	0	0	1	4.5368915
## 196	3	0	0	1	3.8815639
## 198	1	1	0	0	2.6672282
## 199	2	0	1	0	3.1267605
## 200	NA	NA	NA	NA	NA
## 202	NA	NA	NA	NA	NA
## 203	2	0	1	0	3.4045253
## 204	3	0	0	1	3.7796338
## 205	1	1	0	0	2.7972813
## 206	2	0	1	0	3.3463891
## 209	3	0	0	1	4.0073333
## 210	3	0	0	1	5.8971539
## 211	1	1	0	0	2.6532419
## 212	3	0	0	1	4.2370009
## 214	1	1	0	0	2.7600100
## 215	1	1	0	0	2.2071750
## 216	2	0	1	0	3.2771447
## 217	1	1	0	0	2.3223877
## 218	NA	NA	NA	NA	NA
## 220	3	0	0	1	4.1987047
## 222	3	0	0	1	3.9060049
## 223	1	1	0	0	1.5325569
## 224	NA	NA	NA	NA	NA
## 225	3	0	0	1	3.9493189
## 226	3	0	0	1	3.9945242
## 227	2	0	1	0	3.2464910
## 228	3	0	0	1	4.0707345
## 229	NA	NA	NA	NA	NA
## 230	2	0	1	0	3.3775876
## 231	3	0	0	1	3.7796338
## 232	1	1	0	0	2.5952547
## 233	2	0	1	0	3.2464910
## 234	1	1	0	0	2.9231615
## 236	1	1	0	0	2.7663190
## 238	2	0	1	0	3.4781585
## 239	NA	NA	NA	NA	NA

##	il6diff.1	til6diff.1	il6diff3cat.1	i_il6diff3cat1.1	i_il6diff3cat2.1
## 1	NA	NA	NA	NA	NA
## 2	27.524	2	2	0	1
## 3	17.994	1	1	1	0
## 4	NA	NA	NA	NA	NA
## 5	41.460	3	3	0	0
## 6	13.554	1	1	1	0
## 7	27.880	2	2	0	1
## 8	NA	NA	NA	NA	NA
## 10	NA	NA	NA	NA	NA
## 11	NA	NA	NA	NA	NA
## 12	21.320	2	2	0	1
## 13	NA	NA	NA	NA	NA
## 14	NA	NA	NA	NA	NA
## 16	25.820	2	2	0	1
## 17	NA	NA	NA	NA	NA
## 18	33.498	2	2	0	1
## 19	NA	NA	NA	NA	NA
## 20	46.250	3	3	0	0
## 21	14.950	1	1	1	0
## 23	52.530	3	3	0	0
## 25	17.900	1	1	1	0
## 26	NA	NA	NA	NA	NA
## 27	NA	NA	NA	NA	NA
## 28	24.091	2	2	0	1
## 29	NA	NA	NA	NA	NA
## 30	60.983	3	3	0	0
## 33	15.300	1	1	1	0
## 34	10.663	1	1	1	0
## 35	NA	NA	NA	NA	NA
## 36	NA	NA	NA	NA	NA
## 37	29.000	2	2	0	1
## 38	26.960	2	2	0	1
## 39	NA	NA	NA	NA	NA
## 40	26.132	2	2	0	1
## 41	26.778	2	2	0	1
## 43	NA	NA	NA	NA	NA
## 44	13.540	1	1	1	0
## 45	NA	NA	NA	NA	NA
## 46	20.680	2	2	0	1
## 47	-42.700	1	1	1	0
## 48	10.430	1	1	1	0
## 49	NA	NA	NA	NA	NA
## 50	NA	NA	NA	NA	NA
## 51	19.620	2	2	0	1
## 52	124.078	3	3	0	0
## 54	31.040	2	2	0	1
## 55	20.140	2	2	0	1
## 56	20.180	2	2	0	1
## 57	NA	NA	NA	NA	NA
## 58	15.830	1	1	1	0
## 59	23.150	2	2	0	1
## 60	NA	NA	NA	NA	NA
## 62	16.056	1	1	1	0

## 65	NA	NA	NA	NA	NA
## 67	33.710	2	2	0	1
## 68	4.090	1	1	1	0
## 69	30.380	2	2	0	1
## 70	NA	NA	NA	NA	NA
## 71	17.900	1	1	1	0
## 72	NA	NA	NA	NA	NA
## 73	21.342	2	2	0	1
## 74	NA	NA	NA	NA	NA
## 75	NA	NA	NA	NA	NA
## 76	NA	NA	NA	NA	NA
## 77	34.390	2	2	0	1
## 79	97.350	3	3	0	0
## 80	18.325	2	1	1	0
## 81	80.140	3	3	0	0
## 83	24.540	2	2	0	1
## 87	NA	NA	NA	NA	NA
## 88	NA	NA	NA	NA	NA
## 89	4.200	1	1	1	0
## 90	20.062	2	2	0	1
## 91	94.362	3	3	0	0
## 92	NA	NA	NA	NA	NA
## 93	NA	NA	NA	NA	NA
## 94	23.630	2	2	0	1
## 95	NA	NA	NA	NA	NA
## 96	11.431	1	1	1	0
## 97	NA	NA	NA	NA	NA
## 98	19.250	2	2	0	1
## 99	16.177	1	1	1	0
## 100	60.370	3	3	0	0
## 101	NA	NA	NA	NA	NA
## 102	NA	NA	NA	NA	NA
## 103	NA	NA	NA	NA	NA
## 105	8.705	1	1	1	0
## 107	NA	NA	NA	NA	NA
## 108	8.170	1	1	1	0
## 109	30.600	2	2	0	1
## 110	NA	NA	NA	NA	NA
## 112	NA	NA	NA	NA	NA
## 113	32.220	2	2	0	1
## 116	NA	NA	NA	NA	NA
## 118	34.258	2	2	0	1
## 119	16.773	1	1	1	0
## 120	11.445	1	1	1	0
## 121	33.709	2	2	0	1
## 122	NA	NA	NA	NA	NA
## 123	11.250	1	1	1	0
## 124	NA	NA	NA	NA	NA
## 125	22.100	2	2	0	1
## 126	NA	NA	NA	NA	NA
## 127	125.820	3	3	0	0
## 128	92.520	3	3	0	0
## 129	11.950	1	1	1	0
## 131	19.696	2	2	0	1

## 132	41.759	3	3	0	0
## 134	NA	NA	NA	NA	NA
## 136	21.422	2	2	0	1
## 137	48.670	3	3	0	0
## 139	91.640	3	3	0	0
## 140	21.570	2	2	0	1
## 141	21.200	2	2	0	1
## 142	192.700	3	3	0	0
## 144	63.920	3	3	0	0
## 146	NA	NA	NA	NA	NA
## 147	NA	NA	NA	NA	NA
## 148	20.510	2	2	0	1
## 149	NA	NA	NA	NA	NA
## 150	17.272	1	1	1	0
## 151	35.130	2	2	0	1
## 154	15.800	1	1	1	0
## 155	56.908	3	3	0	0
## 156	NA	NA	NA	NA	NA
## 157	13.060	1	1	1	0
## 158	21.130	2	2	0	1
## 159	84.480	3	3	0	0
## 160	NA	NA	NA	NA	NA
## 161	77.900	3	3	0	0
## 162	NA	NA	NA	NA	NA
## 163	22.360	2	2	0	1
## 164	NA	NA	NA	NA	NA
## 166	NA	NA	NA	NA	NA
## 167	67.780	3	3	0	0
## 168	20.800	2	2	0	1
## 169	2.580	1	1	1	0
## 170	46.300	3	3	0	0
## 171	24.507	2	2	0	1
## 172	20.552	2	2	0	1
## 174	-34.300	1	1	1	0
## 175	NA	NA	NA	NA	NA
## 176	NA	NA	NA	NA	NA
## 177	-72.100	1	1	1	0
## 179	NA	NA	NA	NA	NA
## 180	33.431	2	2	0	1
## 181	32.360	2	2	0	1
## 183	29.660	2	2	0	1
## 184	13.490	1	1	1	0
## 185	34.386	2	2	0	1
## 186	NA	NA	NA	NA	NA
## 188	NA	NA	NA	NA	NA
## 190	56.390	3	3	0	0
## 193	34.010	2	2	0	1
## 194	189.300	3	3	0	0
## 195	90.460	3	3	0	0
## 196	40.660	3	3	0	0
## 198	-18.700	1	1	1	0
## 199	NA	NA	NA	NA	NA
## 200	NA	NA	NA	NA	NA
## 202	NA	NA	NA	NA	NA

## 203	19.700	2	2	0	1
## 204	43.270	3	3	0	0
## 205	14.140	1	1	1	0
## 206	27.873	2	2	0	1
## 209	49.380	3	3	0	0
## 210	360.560	3	3	0	0
## 211	13.649	1	1	1	0
## 212	NA	NA	NA	NA	NA
## 214	14.640	1	1	1	0
## 215	7.500	1	1	1	0
## 216	25.594	2	2	0	1
## 217	9.707	1	1	1	0
## 218	NA	NA	NA	NA	NA
## 220	66.081	3	3	0	0
## 222	48.650	3	3	0	0
## 223	-0.080	1	1	1	0
## 224	NA	NA	NA	NA	NA
## 225	50.380	3	3	0	0
## 226	53.388	3	3	0	0
## 227	24.802	2	2	0	1
## 228	56.700	3	3	0	0
## 229	NA	NA	NA	NA	NA
## 230	28.110	2	2	0	1
## 231	41.430	3	3	0	0
## 232	10.590	1	1	1	0
## 233	23.890	2	2	0	1
## 234	18.007	1	1	1	0
## 236	3.700	1	1	1	0
## 238	30.710	2	2	0	1
## 239	NA	NA	NA	NA	NA
##	i_il6diff3cat3.1	logil6diff.1	gal30_adj.1	tgal3_0.1	gal3pre3cat.1
## 1	NA	NA	6777.089	1	1
## 2	0	3.3150585	3967.000	1	1
## 3	0	2.8900383	5718.000	1	1
## 4	NA	NA	6338.000	1	1
## 5	1	3.7247291	16164.642	3	3
## 6	0	2.6066816	10990.400	2	3
## 7	0	3.3279095	8882.000	2	2
## 8	NA	NA	NA	NA	NA
## 10	NA	NA	7857.000	1	1
## 11	NA	NA	3874.846	1	1
## 12	0	3.0596457	8755.361	2	2
## 13	NA	NA	NA	NA	NA
## 14	NA	NA	3234.000	1	1
## 16	0	3.2511494	11006.000	2	3
## 17	NA	NA	NA	NA	NA
## 18	0	3.5114858	2250.000	1	1
## 19	NA	NA	NA	NA	NA
## 20	1	3.8340614	8837.060	2	2
## 21	0	2.7047112	5651.000	1	1
## 23	1	3.9613843	17822.000	3	3
## 25	0	2.8848007	23326.000	3	3
## 26	NA	NA	9137.000	2	2
## 27	NA	NA	11725.688	2	3

## 28	0	3.1818383	2884.000	1	1
## 29	NA	NA	16117.957	3	3
## 30	1	4.1105952	13666.000	3	3
## 33	0	2.7278528	33247.422	3	3
## 34	0	2.3667798	26676.521	3	3
## 35	NA	NA	6156.000	1	1
## 36	NA	NA	16269.683	3	3
## 37	0	3.3672957	7374.267	1	1
## 38	0	3.2943542	20029.762	3	3
## 39	NA	NA	20975.131	3	3
## 40	0	3.2631607	30598.053	3	3
## 41	0	3.2875807	16590.643	3	3
## 43	NA	NA	3250.435	1	1
## 44	0	2.6056483	8724.238	2	2
## 45	NA	NA	8414.951	2	2
## 46	0	3.0291672	10742.000	2	3
## 47	0	-6.9077554	16545.902	3	3
## 48	0	2.3446863	5581.000	1	1
## 49	NA	NA	18104.010	3	3
## 50	NA	NA	9246.000	2	2
## 51	0	2.9765494	11023.000	2	3
## 52	1	4.8209105	8214.595	2	2
## 54	0	3.4352767	17220.887	3	3
## 55	0	3.0027080	8482.000	2	2
## 56	0	3.0046921	4603.000	1	1
## 57	NA	NA	23066.225	3	3
## 58	0	2.7619069	5149.000	1	1
## 59	0	3.1419947	4803.000	1	1
## 60	NA	NA	NA	NA	NA
## 62	0	2.7760825	11738.000	2	3
## 65	NA	NA	NA	NA	NA
## 67	0	3.5177946	3423.558	1	1
## 68	0	1.4085450	6289.000	1	1
## 69	0	3.4137845	16755.984	3	3
## 70	NA	NA	6298.000	1	1
## 71	0	2.8848007	8214.595	2	2
## 72	NA	NA	11317.194	2	3
## 73	0	3.0606768	5952.000	1	1
## 74	NA	NA	9534.000	2	2
## 75	NA	NA	17965.900	3	3
## 76	NA	NA	10957.000	2	3
## 77	0	3.5377657	12867.000	2	3
## 79	1	4.5783129	12313.000	2	3
## 80	0	2.9082663	8364.376	2	2
## 81	1	4.3837752	9074.000	2	2
## 83	0	3.2003045	13972.397	3	3
## 87	NA	NA	15316.533	3	3
## 88	NA	NA	18646.723	3	3
## 89	0	1.4350845	12838.000	2	3
## 90	0	2.9988275	8308.000	2	2
## 91	1	4.5471382	4256.000	1	1
## 92	NA	NA	5092.543	1	1
## 93	NA	NA	19525.953	3	3
## 94	0	3.1625171	14690.178	3	3

## 95	NA	NA	12808.000	2	3
## 96	0	2.4363289	37920.000	3	3
## 97	NA	NA	4311.000	1	1
## 98	0	2.9575109	9335.000	2	2
## 99	0	2.7835906	8150.000	2	2
## 100	1	4.1004925	11875.000	2	3
## 101	NA	NA	24696.305	3	3
## 102	NA	NA	NA	NA	NA
## 103	NA	NA	3503.000	1	1
## 105	0	2.1638975	3837.887	1	1
## 107	NA	NA	NA	NA	NA
## 108	0	2.1004689	6881.000	1	1
## 109	0	3.4210000	18722.584	3	3
## 110	NA	NA	20523.844	3	3
## 112	NA	NA	11951.331	2	3
## 113	0	3.4725873	4561.502	1	1
## 116	NA	NA	6179.000	1	1
## 118	0	3.5339200	10212.000	2	3
## 119	0	2.8197706	9636.000	2	2
## 120	0	2.4375529	4372.000	1	1
## 121	0	3.5177648	12452.000	2	3
## 122	NA	NA	14707.685	3	3
## 123	0	2.4203682	8508.320	2	2
## 124	NA	NA	NA	NA	NA
## 125	0	3.0955777	10708.346	2	3
## 126	NA	NA	6270.000	1	1
## 127	1	4.8348522	12966.728	2	3
## 128	1	4.5274248	6323.857	1	1
## 129	0	2.4807312	5086.000	1	1
## 131	0	2.9804156	19597.926	3	3
## 132	1	3.7319150	31142.709	3	3
## 134	NA	NA	NA	NA	NA
## 136	0	3.0644186	9167.745	2	2
## 137	1	3.8850627	9836.895	2	2
## 139	1	4.5178680	8977.000	2	2
## 140	0	3.0713034	9646.265	2	2
## 141	0	3.0540013	10019.000	2	3
## 142	1	5.2611346	19312.000	3	3
## 144	1	4.1576324	12267.000	2	3
## 146	NA	NA	NA	NA	NA
## 147	NA	NA	9626.000	2	2
## 148	0	3.0209126	10356.264	2	3
## 149	NA	NA	12099.166	2	3
## 150	0	2.8490868	5800.597	1	1
## 151	0	3.5590556	14551.000	3	3
## 154	0	2.7600100	10315.415	2	3
## 155	1	4.0414357	9963.333	2	3
## 156	NA	NA	3361.312	1	1
## 157	0	2.5695541	4644.000	1	1
## 158	0	3.0506938	3157.065	1	1
## 159	1	4.4365149	15746.423	3	3
## 160	NA	NA	12134.000	2	3
## 161	1	4.3554258	2809.000	1	1
## 162	NA	NA	4071.311	1	1

## 163	0	3.1072736	10974.839	2	3
## 164	NA	NA	30271.258	3	3
## 166	NA	NA	13049.000	2	3
## 167	1	4.2162671	18789.000	3	3
## 168	0	3.0349529	10141.000	2	3
## 169	0	0.9477894	6303.000	1	1
## 170	1	3.8351419	8050.000	1	1
## 171	0	3.1989589	13651.438	3	3
## 172	0	3.0229583	4933.000	1	1
## 174	0	-6.9077554	10572.000	2	3
## 175	NA	NA	3666.000	1	1
## 176	NA	NA	14065.768	3	3
## 177	0	-6.9077554	17555.463	3	3
## 179	NA	NA	7910.000	1	1
## 180	0	3.5094836	5973.720	1	1
## 181	0	3.4769232	10832.000	2	3
## 183	0	3.3897994	13737.000	3	3
## 184	0	2.6019487	6276.000	1	1
## 185	0	3.5376496	10346.538	2	3
## 186	NA	NA	8060.000	1	1
## 188	NA	NA	NA	NA	NA
## 190	1	4.0322919	5121.000	1	1
## 193	0	3.5266545	3084.000	1	1
## 194	1	5.2433329	21572.309	3	3
## 195	1	4.5049076	11799.605	2	3
## 196	1	3.7052448	34494.297	3	3
## 198	0	-6.9077554	13763.000	3	3
## 199	NA	NA	NA	NA	NA
## 200	NA	NA	1375.000	1	1
## 202	NA	NA	16446.000	3	3
## 203	0	2.9806187	8881.800	2	2
## 204	1	3.7674596	6648.000	1	1
## 205	0	2.6490078	2911.970	1	1
## 206	0	3.3276584	11517.551	2	3
## 209	1	3.8995454	14699.903	3	3
## 210	1	5.8876586	22791.951	3	3
## 211	0	2.6136663	5442.680	1	1
## 212	NA	NA	NA	NA	NA
## 214	0	2.6837575	7255.000	1	1
## 215	0	2.0149031	13641.000	3	3
## 216	0	3.2423580	27215.344	3	3
## 217	0	2.2728472	5308.000	1	1
## 218	NA	NA	13801.220	3	3
## 220	1	4.1908813	2838.000	1	1
## 222	1	3.8846519	10902.866	2	3
## 223	0	-6.9077554	8862.000	2	2
## 224	NA	NA	6499.000	1	1
## 225	1	3.9195943	17082.777	3	3
## 226	1	3.9775860	13309.083	3	3
## 227	0	3.2109244	7437.000	1	1
## 228	1	4.0377741	14585.000	3	3
## 229	NA	NA	21305.814	3	3
## 230	0	3.3361254	4746.000	1	1
## 231	1	3.7240052	5639.145	1	1

## 232	0	2.3599102	10338.000	2	3
## 233	0	3.1734600	7717.000	1	1
## 234	0	2.8907607	4853.000	1	1
## 236	0	1.3083328	3731.000	1	1
## 238	0	3.4245882	7985.000	1	1
## 239	NA	NA	3808.000	1	1
##	i_gal3pre3cat1.1	i_gal3pre3cat2.1	i_gal3pre3cat3.1	loggal30.1	gal31_adj.1
## 1	1	0	0	8.821303	NA
## 2	1	0	0	8.285766	3247.000
## 3	1	0	0	8.651375	4127.000
## 4	1	0	0	8.754318	NA
## 5	0	0	1	9.690581	23846.252
## 6	0	0	1	9.304777	9300.019
## 7	0	1	0	9.091782	9841.000
## 8	NA	NA	NA	NA	21138.527
## 10	1	0	0	8.969160	NA
## 11	1	0	0	8.262261	NA
## 12	0	1	0	9.077421	9708.512
## 13	NA	NA	NA	NA	9805.000
## 14	1	0	0	8.081475	NA
## 16	0	0	1	9.306196	68038.000
## 17	NA	NA	NA	NA	7503.000
## 18	1	0	0	7.718686	3027.000
## 19	NA	NA	NA	NA	NA
## 20	0	1	0	9.086709	11803.495
## 21	1	0	0	8.639587	5070.000
## 23	0	0	1	9.788189	13963.000
## 25	0	0	1	10.057323	27146.000
## 26	0	1	0	9.120088	NA
## 27	0	0	1	9.369537	NA
## 28	1	0	0	7.966934	2688.000
## 29	0	0	1	9.687689	NA
## 30	0	0	1	9.522666	6406.000
## 33	0	0	1	10.411733	23179.047
## 34	0	0	1	10.191539	11688.729
## 35	1	0	0	8.725183	NA
## 36	0	0	1	9.697059	NA
## 37	1	0	0	8.905752	8084.266
## 38	0	0	1	9.904975	14048.261
## 39	0	0	1	9.951093	NA
## 40	0	0	1	10.328691	30210.957
## 41	0	0	1	9.716594	10262.895
## 43	1	0	0	8.086544	NA
## 44	0	1	0	9.073860	7603.801
## 45	0	1	0	9.037766	NA
## 46	0	0	1	9.281917	8607.000
## 47	0	0	1	9.713894	17726.641
## 48	1	0	0	8.627123	10709.000
## 49	0	0	1	9.803888	NA
## 50	0	1	0	9.131947	NA
## 51	0	0	1	9.307739	17233.000
## 52	0	1	0	9.013668	7862.513
## 54	0	0	1	9.753879	25124.250
## 55	0	1	0	9.045702	9379.000

## 56	1	0	0	8.434463	8072.000
## 57	0	0	1	10.046124	NA
## 58	1	0	0	8.546557	5158.000
## 59	1	0	0	8.476996	5053.000
## 60	NA	NA	NA	NA	6912.000
## 62	0	0	1	9.370586	11503.000
## 65	NA	NA	NA	NA	4425.338
## 67	1	0	0	8.138435	6207.145
## 68	1	0	0	8.746557	7796.000
## 69	0	0	1	9.726511	12445.413
## 70	1	0	0	8.747988	NA
## 71	0	1	0	9.013668	8461.636
## 72	0	0	1	9.334079	NA
## 73	1	0	0	8.691482	8739.000
## 74	0	1	0	9.162620	NA
## 75	0	0	1	9.796231	NA
## 76	0	0	1	9.301734	NA
## 77	0	0	1	9.462421	12550.000
## 79	0	0	1	9.418411	11021.000
## 80	0	1	0	9.031737	6528.104
## 81	0	1	0	9.113169	8082.000
## 83	0	0	1	9.544839	10060.593
## 87	0	0	1	9.636688	NA
## 88	0	0	1	9.833426	NA
## 89	0	0	1	9.460165	9039.000
## 90	0	1	0	9.024974	10175.000
## 91	1	0	0	8.356085	3834.000
## 92	1	0	0	8.535533	NA
## 93	0	0	1	9.879499	NA
## 94	0	0	1	9.594935	150967.250
## 95	0	0	1	9.457826	NA
## 96	0	0	1	10.543234	24301.000
## 97	1	0	0	8.368925	NA
## 98	0	1	0	9.141526	8989.000
## 99	0	1	0	9.005774	8747.000
## 100	0	0	1	9.382191	6868.000
## 101	0	0	1	10.114408	NA
## 102	NA	NA	NA	NA	NA
## 103	1	0	0	8.161375	NA
## 105	1	0	0	8.252677	5520.488
## 107	NA	NA	NA	NA	6059.000
## 108	1	0	0	8.836519	10945.000
## 109	0	0	1	9.837485	14390.616
## 110	0	0	1	9.929342	NA
## 112	0	0	1	9.388597	NA
## 113	1	0	0	8.425407	5868.679
## 116	1	0	0	8.728911	NA
## 118	0	0	1	9.231319	2718.000
## 119	0	1	0	9.173262	10698.000
## 120	1	0	0	8.382976	4053.000
## 121	0	0	1	9.429637	14788.000
## 122	0	0	1	9.596126	NA
## 123	0	1	0	9.048799	7965.609
## 124	NA	NA	NA	NA	7202.000

## 125	0	0	1	9.278779	11655.660
## 126	1	0	0	8.743531	NA
## 127	0	0	1	9.470142	14620.150
## 128	1	0	0	8.752085	21510.063
## 129	1	0	0	8.534247	4792.000
## 131	0	0	1	9.883179	17080.832
## 132	0	0	1	10.346335	9883.579
## 134	NA	NA	NA	NA	5824.000
## 136	0	1	0	9.123447	8405.225
## 137	0	1	0	9.193895	20177.598
## 139	0	1	0	9.102421	15493.000
## 140	0	1	0	9.174326	5888.131
## 141	0	0	1	9.212238	8895.000
## 142	0	0	1	9.868482	21549.000
## 144	0	0	1	9.414668	14114.000
## 146	NA	NA	NA	NA	7565.000
## 147	0	1	0	9.172223	NA
## 148	0	0	1	9.245347	14548.178
## 149	0	0	1	9.400892	NA
## 150	1	0	0	8.665716	4896.078
## 151	0	0	1	9.585415	16489.000
## 154	0	0	1	9.241395	6442.514
## 155	0	0	1	9.206667	8041.472
## 156	1	0	0	8.120087	NA
## 157	1	0	0	8.443332	3641.000
## 158	1	0	0	8.057398	3637.531
## 159	0	0	1	9.664369	12931.714
## 160	0	0	1	9.403767	NA
## 161	1	0	0	7.940584	3356.000
## 162	1	0	0	8.311721	NA
## 163	0	0	1	9.303361	11406.674
## 164	0	0	1	10.317954	NA
## 166	0	0	1	9.476467	NA
## 167	0	0	1	9.841027	13219.000
## 168	0	0	1	9.224342	11687.000
## 169	1	0	0	8.748781	6508.000
## 170	1	0	0	8.993427	64595.000
## 171	0	0	1	9.521600	15252.342
## 172	1	0	0	8.503702	7080.000
## 174	0	0	1	9.265965	15627.000
## 175	1	0	0	8.206857	NA
## 176	0	0	1	9.551499	NA
## 177	0	0	1	9.773121	22017.760
## 179	1	0	0	8.975884	NA
## 180	1	0	0	8.695126	4398.105
## 181	0	0	1	9.290260	11246.000
## 183	0	0	1	9.527848	20077.000
## 184	1	0	0	8.744488	6612.000
## 185	0	0	1	9.244408	11727.633
## 186	1	0	0	8.994669	NA
## 188	NA	NA	NA	NA	30203.176
## 190	1	0	0	8.541105	7314.000
## 193	1	0	0	8.033982	2964.000
## 194	0	0	1	9.979166	28008.986

## 195	0	0	1	9.375821	12875.303
## 196	0	0	1	10.448549	30164.271
## 198	0	0	1	9.529739	8574.000
## 199	NA	NA	NA	NA	7341.198
## 200	1	0	0	7.226209	NA
## 202	0	0	1	9.707837	NA
## 203	0	1	0	9.091760	16604.258
## 204	1	0	0	8.802072	43783.000
## 205	1	0	0	7.976585	3919.585
## 206	0	0	1	9.351627	10920.373
## 209	0	0	1	9.595596	9228.046
## 210	0	0	1	10.034163	22756.938
## 211	1	0	0	8.602027	5359.036
## 212	NA	NA	NA	NA	20192.000
## 214	1	0	0	8.889446	7149.000
## 215	0	0	1	9.520835	12340.000
## 216	0	0	1	10.211536	25513.291
## 217	1	0	0	8.576970	5937.000
## 218	0	0	1	9.532513	NA
## 220	1	0	0	7.950855	6993.000
## 222	0	0	1	9.296781	9261.114
## 223	0	1	0	9.089528	9162.000
## 224	1	0	0	8.779404	NA
## 225	0	0	1	9.745826	22817.238
## 226	0	0	1	9.496203	15546.067
## 227	1	0	0	8.914223	10736.000
## 228	0	0	1	9.587749	17687.000
## 229	0	0	1	9.966735	NA
## 230	1	0	0	8.465057	6432.000
## 231	1	0	0	8.637487	5376.543
## 232	0	0	1	9.243582	8220.000
## 233	1	0	0	8.951181	10629.000
## 234	1	0	0	8.487352	7172.000
## 236	1	0	0	8.224432	5000.000
## 238	1	0	0	8.985320	8342.000
## 239	1	0	0	8.244860	NA
##	tg13_1.1	gal3post3cat.1	i_gal3post3cat1.1	i_gal3post3cat2.1	
## 1	NA	NA	NA	NA	
## 2	1	1	1	0	
## 3	1	1	1	0	
## 4	NA	NA	NA	NA	
## 5	3	3	0	0	
## 6	2	2	0	1	
## 7	2	2	0	1	
## 8	3	3	0	0	
## 10	NA	NA	NA	NA	
## 11	NA	NA	NA	NA	
## 12	2	2	0	1	
## 13	2	2	0	1	
## 14	NA	NA	NA	NA	
## 16	3	3	0	0	
## 17	1	1	1	0	
## 18	1	1	1	0	
## 19	NA	NA	NA	NA	

## 20	2	2	0	1
## 21	1	1	1	0
## 23	3	3	0	0
## 25	3	3	0	0
## 26	NA	NA	NA	NA
## 27	NA	NA	NA	NA
## 28	1	1	1	0
## 29	NA	NA	NA	NA
## 30	1	1	1	0
## 33	3	3	0	0
## 34	2	2	0	1
## 35	NA	NA	NA	NA
## 36	NA	NA	NA	NA
## 37	1	1	1	0
## 38	3	3	0	0
## 39	NA	NA	NA	NA
## 40	3	3	0	0
## 41	2	2	0	1
## 43	NA	NA	NA	NA
## 44	1	1	1	0
## 45	NA	NA	NA	NA
## 46	2	2	0	1
## 47	3	3	0	0
## 48	2	2	0	1
## 49	NA	NA	NA	NA
## 50	NA	NA	NA	NA
## 51	3	3	0	0
## 52	1	1	1	0
## 54	3	3	0	0
## 55	2	2	0	1
## 56	1	1	1	0
## 57	NA	NA	NA	NA
## 58	1	1	1	0
## 59	1	1	1	0
## 60	1	1	1	0
## 62	2	2	0	1
## 65	1	1	1	0
## 67	1	1	1	0
## 68	1	1	1	0
## 69	2	2	0	1
## 70	NA	NA	NA	NA
## 71	2	2	0	1
## 72	NA	NA	NA	NA
## 73	2	2	0	1
## 74	NA	NA	NA	NA
## 75	NA	NA	NA	NA
## 76	NA	NA	NA	NA
## 77	2	2	0	1
## 79	2	2	0	1
## 80	1	1	1	0
## 81	1	1	1	0
## 83	2	2	0	1
## 87	NA	NA	NA	NA
## 88	NA	NA	NA	NA

## 89	2	2	0	1
## 90	2	2	0	1
## 91	1	1	1	0
## 92	NA	NA	NA	NA
## 93	NA	NA	NA	NA
## 94	3	3	0	0
## 95	NA	NA	NA	NA
## 96	3	3	0	0
## 97	NA	NA	NA	NA
## 98	2	2	0	1
## 99	2	2	0	1
## 100	1	1	1	0
## 101	NA	NA	NA	NA
## 102	NA	NA	NA	NA
## 103	NA	NA	NA	NA
## 105	1	1	1	0
## 107	1	1	1	0
## 108	2	2	0	1
## 109	3	3	0	0
## 110	NA	NA	NA	NA
## 112	NA	NA	NA	NA
## 113	1	1	1	0
## 116	NA	NA	NA	NA
## 118	1	1	1	0
## 119	2	2	0	1
## 120	1	1	1	0
## 121	3	3	0	0
## 122	NA	NA	NA	NA
## 123	1	1	1	0
## 124	1	1	1	0
## 125	2	2	0	1
## 126	NA	NA	NA	NA
## 127	3	3	0	0
## 128	3	3	0	0
## 129	1	1	1	0
## 131	3	3	0	0
## 132	2	2	0	1
## 134	1	1	1	0
## 136	2	2	0	1
## 137	3	3	0	0
## 139	3	3	0	0
## 140	1	1	1	0
## 141	2	2	0	1
## 142	3	3	0	0
## 144	3	3	0	0
## 146	1	1	1	0
## 147	NA	NA	NA	NA
## 148	3	3	0	0
## 149	NA	NA	NA	NA
## 150	1	1	1	0
## 151	3	3	0	0
## 154	1	1	1	0
## 155	1	1	1	0
## 156	NA	NA	NA	NA

## 157	1	1	1	0
## 158	1	1	1	0
## 159	2	2	0	1
## 160	NA	NA	NA	NA
## 161	1	1	1	0
## 162	NA	NA	NA	NA
## 163	2	2	0	1
## 164	NA	NA	NA	NA
## 166	NA	NA	NA	NA
## 167	3	3	0	0
## 168	2	2	0	1
## 169	1	1	1	0
## 170	3	3	0	0
## 171	3	3	0	0
## 172	1	1	1	0
## 174	3	3	0	0
## 175	NA	NA	NA	NA
## 176	NA	NA	NA	NA
## 177	3	3	0	0
## 179	NA	NA	NA	NA
## 180	1	1	1	0
## 181	2	2	0	1
## 183	3	3	0	0
## 184	1	1	1	0
## 185	2	2	0	1
## 186	NA	NA	NA	NA
## 188	3	3	0	0
## 190	1	1	1	0
## 193	1	1	1	0
## 194	3	3	0	0
## 195	2	2	0	1
## 196	3	3	0	0
## 198	2	2	0	1
## 199	1	1	1	0
## 200	NA	NA	NA	NA
## 202	NA	NA	NA	NA
## 203	3	3	0	0
## 204	3	3	0	0
## 205	1	1	1	0
## 206	2	2	0	1
## 209	2	2	0	1
## 210	3	3	0	0
## 211	1	1	1	0
## 212	3	3	0	0
## 214	1	1	1	0
## 215	2	2	0	1
## 216	3	3	0	0
## 217	1	1	1	0
## 218	NA	NA	NA	NA
## 220	1	1	1	0
## 222	2	2	0	1
## 223	2	2	0	1
## 224	NA	NA	NA	NA
## 225	3	3	0	0

## 226	3	3	0	0	
## 227	2	2	0	1	
## 228	3	3	0	0	
## 229	NA	NA	NA	NA	
## 230	1	1	1	0	
## 231	1	1	1	0	
## 232	2	1	1	0	
## 233	2	2	0	1	
## 234	1	1	1	0	
## 236	1	1	1	0	
## 238	2	2	0	1	
## 239	NA	NA	NA	NA	
##	i_gal3post3cat3.1	loggal31.1	gal3diff.1	tgal3diff.1	gal3diff3cat.1
## 1	NA	NA	NA	NA	NA
## 2	0	8.085486	-720.00000	2	2
## 3	0	8.325306	-1591.00000	1	1
## 4	NA	NA	NA	NA	NA
## 5	1	10.079382	7681.61040	3	3
## 6	0	9.137772	-1690.38180	1	1
## 7	0	9.194313	959.00000	2	2
## 8	1	9.958853	NA	NA	NA
## 10	NA	NA	NA	NA	NA
## 11	NA	NA	NA	NA	NA
## 12	0	9.180758	953.15039	2	2
## 13	0	9.190648	NA	NA	NA
## 14	NA	NA	NA	NA	NA
## 16	1	11.127822	57032.00000	3	3
## 17	0	8.923058	NA	NA	NA
## 18	0	8.015327	777.00000	2	2
## 19	NA	NA	NA	NA	NA
## 20	0	9.376151	2966.43550	3	3
## 21	0	8.531097	-581.00000	2	2
## 23	1	9.544167	-3859.00000	1	1
## 25	1	10.208985	3820.00000	3	3
## 26	NA	NA	NA	NA	NA
## 27	NA	NA	NA	NA	NA
## 28	0	7.896553	-196.00000	2	2
## 29	NA	NA	NA	NA	NA
## 30	0	8.764991	-7260.00000	1	1
## 33	1	10.051004	-10068.37500	1	1
## 34	0	9.366381	-14987.79300	1	1
## 35	NA	NA	NA	NA	NA
## 36	NA	NA	NA	NA	NA
## 37	0	8.997675	709.99902	2	2
## 38	1	9.550254	-5981.50100	1	1
## 39	NA	NA	NA	NA	NA
## 40	1	10.315960	-387.09570	2	2
## 41	0	9.236290	-6327.74800	1	1
## 43	NA	NA	NA	NA	NA
## 44	0	8.936403	-1120.43750	1	1
## 45	NA	NA	NA	NA	NA
## 46	0	9.060331	-2135.00000	1	1
## 47	1	9.782824	1180.73830	2	2
## 48	0	9.278840	5128.00000	3	3

## 49	NA	NA	NA	NA	NA
## 50	NA	NA	NA	NA	NA
## 51	1	9.754582	6210.00000	3	3
## 52	0	8.969862	-352.08154	2	2
## 54	1	10.131589	7903.36330	3	3
## 55	0	9.146229	897.00000	2	2
## 56	0	8.996157	3469.00000	3	3
## 57	NA	NA	NA	NA	NA
## 58	0	8.548305	9.00000	2	2
## 59	0	8.527738	250.00000	2	2
## 60	0	8.841014	NA	NA	NA
## 62	0	9.350363	-235.00000	2	2
## 65	0	8.395103	NA	NA	NA
## 67	0	8.733457	2783.58620	3	3
## 68	0	8.961366	1507.00000	3	3
## 69	0	9.429108	-4310.57130	1	1
## 70	NA	NA	NA	NA	NA
## 71	0	9.043298	247.04102	2	2
## 72	NA	NA	NA	NA	NA
## 73	0	9.075551	2787.00000	3	3
## 74	NA	NA	NA	NA	NA
## 75	NA	NA	NA	NA	NA
## 76	NA	NA	NA	NA	NA
## 77	0	9.437476	-317.00000	2	2
## 79	0	9.307558	-1292.00000	1	1
## 80	0	8.783872	-1836.27250	1	1
## 81	0	8.997395	-992.00000	1	1
## 83	0	9.216381	-3911.80470	1	1
## 87	NA	NA	NA	NA	NA
## 88	NA	NA	NA	NA	NA
## 89	0	9.109303	-3799.00000	1	1
## 90	0	9.227689	1867.00000	3	3
## 91	0	8.251664	-422.00000	2	2
## 92	NA	NA	NA	NA	NA
## 93	NA	NA	NA	NA	NA
## 94	1	11.924818	136277.08000	3	3
## 95	NA	NA	NA	NA	NA
## 96	1	10.098272	-13619.00000	1	1
## 97	NA	NA	NA	NA	NA
## 98	0	9.103757	-346.00000	2	2
## 99	0	9.076466	597.00000	2	2
## 100	0	8.834628	-5007.00000	1	1
## 101	NA	NA	NA	NA	NA
## 102	NA	NA	NA	NA	NA
## 103	NA	NA	NA	NA	NA
## 105	0	8.616221	1682.60110	3	3
## 107	0	8.709300	NA	NA	NA
## 108	0	9.300638	4064.00000	3	3
## 109	1	9.574331	-4331.96780	1	1
## 110	NA	NA	NA	NA	NA
## 112	NA	NA	NA	NA	NA
## 113	0	8.677385	1307.17680	2	2
## 116	NA	NA	NA	NA	NA
## 118	0	7.907651	-7494.00000	1	1

## 119	0	9.277812	1062.00000	2	2
## 120	0	8.307213	-319.00000	2	2
## 121	1	9.601571	2336.00000	3	3
## 122	NA	NA	NA	NA	NA
## 123	0	8.982888	-542.71143	2	2
## 124	0	8.882114	NA	NA	NA
## 125	0	9.363547	947.31445	2	2
## 126	NA	NA	NA	NA	NA
## 127	1	9.590156	1653.42290	3	3
## 128	1	9.976276	15186.20500	3	3
## 129	0	8.474703	-294.00000	2	2
## 131	1	9.745712	-2517.09380	1	1
## 132	0	9.198630	-21259.12900	1	1
## 134	0	8.669743	NA	NA	NA
## 136	0	9.036609	-762.52051	2	2
## 137	1	9.912328	10340.70300	3	3
## 139	1	9.648144	6516.00000	3	3
## 140	0	8.680694	-3758.13330	1	1
## 141	0	9.093245	-1124.00000	1	1
## 142	1	9.978085	2237.00000	3	3
## 144	1	9.554922	1847.00000	3	3
## 146	0	8.931288	NA	NA	NA
## 147	NA	NA	NA	NA	NA
## 148	1	9.585221	4191.91410	3	3
## 149	NA	NA	NA	NA	NA
## 150	0	8.496190	-904.51953	1	1
## 151	1	9.710449	1938.00000	3	3
## 154	0	8.770674	-3872.90090	1	1
## 155	0	8.992368	-1921.86130	1	1
## 156	NA	NA	NA	NA	NA
## 157	0	8.200014	-1003.00000	1	1
## 158	0	8.199060	480.46533	2	2
## 159	0	9.467438	-2814.70900	1	1
## 160	NA	NA	NA	NA	NA
## 161	0	8.118505	547.00000	2	2
## 162	NA	NA	NA	NA	NA
## 163	0	9.341954	431.83496	2	2
## 164	NA	NA	NA	NA	NA
## 166	NA	NA	NA	NA	NA
## 167	1	9.489410	-5570.00000	1	1
## 168	0	9.366232	1546.00000	3	3
## 169	0	8.780788	205.00000	2	2
## 170	1	11.075892	56545.00000	3	3
## 171	1	9.632488	1600.90330	3	3
## 172	0	8.865029	2147.00000	3	3
## 174	1	9.656755	5055.00000	3	3
## 175	NA	NA	NA	NA	NA
## 176	NA	NA	NA	NA	NA
## 177	1	9.999604	4462.29690	3	3
## 179	NA	NA	NA	NA	NA
## 180	0	8.388929	-1575.61470	1	1
## 181	0	9.327767	414.00000	2	2
## 183	1	9.907331	6340.00000	3	3
## 184	0	8.796641	336.00000	2	2

## 185	0	9.369703	1381.09470	2	2
## 186	NA	NA	NA	NA	NA
## 188	1	10.315702	NA	NA	NA
## 190	0	8.897546	2193.00000	3	3
## 193	0	7.994295	-120.00000	2	2
## 194	1	10.240281	6436.67770	3	3
## 195	0	9.463066	1075.69730	2	2
## 196	1	10.314413	-4330.02540	1	1
## 198	0	9.056490	-5189.00000	1	1
## 199	0	8.901257	NA	NA	NA
## 200	NA	NA	NA	NA	NA
## 202	NA	NA	NA	NA	NA
## 203	1	9.717415	7722.45800	3	3
## 204	1	10.687001	37135.00000	3	3
## 205	0	8.273741	1007.61550	2	2
## 206	0	9.298386	-597.17773	2	2
## 209	0	9.130003	-5471.85740	1	1
## 210	1	10.032625	-35.01367	2	2
## 211	0	8.586539	-83.64356	2	2
## 212	1	9.913042	NA	NA	NA
## 214	0	8.874728	-106.00000	2	2
## 215	0	9.420601	-1301.00000	1	1
## 216	1	10.146955	-1702.05270	1	1
## 217	0	8.688959	629.00000	2	2
## 218	NA	NA	NA	NA	NA
## 220	0	8.852665	4155.00000	3	3
## 222	0	9.133579	-1641.75200	1	1
## 223	0	9.122820	300.00000	2	2
## 224	NA	NA	NA	NA	NA
## 225	1	10.035272	5734.46090	3	3
## 226	1	9.651563	2236.98440	3	3
## 227	0	9.281358	3299.00000	3	3
## 228	1	9.780585	3102.00000	3	3
## 229	NA	NA	NA	NA	NA
## 230	0	8.769041	1686.00000	3	3
## 231	0	8.589801	-262.60254	2	2
## 232	0	9.014325	-2118.00000	1	1
## 233	0	9.271341	2912.00000	3	3
## 234	0	8.877940	2319.00000	3	3
## 236	0	8.517193	1269.00000	2	2
## 238	0	9.029058	357.00000	2	2
## 239	NA	NA	NA	NA	NA
##	i_gal3diff3cat1.1	i_gal3diff3cat2.1	i_gal3diff3cat3.1	loggal3diff.1	
## 1	NA	NA	NA	NA	
## 2	0	1	0	-6.907755	
## 3	1	0	0	-6.907755	
## 4	NA	NA	NA	NA	
## 5	0	0	1	8.946585	
## 6	1	0	0	-6.907755	
## 7	0	1	0	6.865891	
## 8	NA	NA	NA	NA	
## 10	NA	NA	NA	NA	
## 11	NA	NA	NA	NA	
## 12	0	1	0	6.859773	

## 13	NA	NA	NA	NA
## 14	NA	NA	NA	NA
## 16	0	0	1	10.951367
## 17	NA	NA	NA	NA
## 18	0	1	0	6.655440
## 19	NA	NA	NA	NA
## 20	0	0	1	7.995116
## 21	0	1	0	-6.907755
## 23	1	0	0	-6.907755
## 25	0	0	1	8.248006
## 26	NA	NA	NA	NA
## 27	NA	NA	NA	NA
## 28	0	1	0	-6.907755
## 29	NA	NA	NA	NA
## 30	1	0	0	-6.907755
## 33	1	0	0	-6.907755
## 34	1	0	0	-6.907755
## 35	NA	NA	NA	NA
## 36	NA	NA	NA	NA
## 37	0	1	0	6.565264
## 38	1	0	0	-6.907755
## 39	NA	NA	NA	NA
## 40	0	1	0	-6.907755
## 41	1	0	0	-6.907755
## 43	NA	NA	NA	NA
## 44	1	0	0	-6.907755
## 45	NA	NA	NA	NA
## 46	1	0	0	-6.907755
## 47	0	1	0	7.073895
## 48	0	0	1	8.542471
## 49	NA	NA	NA	NA
## 50	NA	NA	NA	NA
## 51	0	0	1	8.733916
## 52	0	1	0	-6.907755
## 54	0	0	1	8.975043
## 55	0	1	0	6.799056
## 56	0	0	1	8.151622
## 57	NA	NA	NA	NA
## 58	0	1	0	2.197225
## 59	0	1	0	5.521461
## 60	NA	NA	NA	NA
## 62	0	1	0	-6.907755
## 65	NA	NA	NA	NA
## 67	0	0	1	7.931495
## 68	0	0	1	7.317876
## 69	1	0	0	-6.907755
## 70	NA	NA	NA	NA
## 71	0	1	0	5.509554
## 72	NA	NA	NA	NA
## 73	0	0	1	7.932721
## 74	NA	NA	NA	NA
## 75	NA	NA	NA	NA
## 76	NA	NA	NA	NA
## 77	0	1	0	-6.907755

## 79	1	0	0	-6.907755
## 80	1	0	0	-6.907755
## 81	1	0	0	-6.907755
## 83	1	0	0	-6.907755
## 87	NA	NA	NA	NA
## 88	NA	NA	NA	NA
## 89	1	0	0	-6.907755
## 90	0	0	1	7.532088
## 91	0	1	0	-6.907755
## 92	NA	NA	NA	NA
## 93	NA	NA	NA	NA
## 94	0	0	1	11.822446
## 95	NA	NA	NA	NA
## 96	1	0	0	-6.907755
## 97	NA	NA	NA	NA
## 98	0	1	0	-6.907755
## 99	0	1	0	6.391917
## 100	1	0	0	-6.907755
## 101	NA	NA	NA	NA
## 102	NA	NA	NA	NA
## 103	NA	NA	NA	NA
## 105	0	0	1	7.428096
## 107	NA	NA	NA	NA
## 108	0	0	1	8.309923
## 109	1	0	0	-6.907755
## 110	NA	NA	NA	NA
## 112	NA	NA	NA	NA
## 113	0	1	0	7.175625
## 116	NA	NA	NA	NA
## 118	1	0	0	-6.907755
## 119	0	1	0	6.967909
## 120	0	1	0	-6.907755
## 121	0	0	1	7.756195
## 122	NA	NA	NA	NA
## 123	0	1	0	-6.907755
## 124	NA	NA	NA	NA
## 125	0	1	0	6.853631
## 126	NA	NA	NA	NA
## 127	0	0	1	7.410603
## 128	0	0	1	9.628142
## 129	0	1	0	-6.907755
## 131	1	0	0	-6.907755
## 132	1	0	0	-6.907755
## 134	NA	NA	NA	NA
## 136	0	1	0	-6.907755
## 137	0	0	1	9.243843
## 139	0	0	1	8.782016
## 140	1	0	0	-6.907755
## 141	1	0	0	-6.907755
## 142	0	0	1	7.712891
## 144	0	0	1	7.521318
## 146	NA	NA	NA	NA
## 147	NA	NA	NA	NA
## 148	0	0	1	8.340913

## 149	NA	NA	NA	NA
## 150	1	0	0	-6.907755
## 151	0	0	1	7.569412
## 154	1	0	0	-6.907755
## 155	1	0	0	-6.907755
## 156	NA	NA	NA	NA
## 157	1	0	0	-6.907755
## 158	0	1	0	6.174755
## 159	1	0	0	-6.907755
## 160	NA	NA	NA	NA
## 161	0	1	0	6.304449
## 162	NA	NA	NA	NA
## 163	0	1	0	6.068044
## 164	NA	NA	NA	NA
## 166	NA	NA	NA	NA
## 167	1	0	0	-6.907755
## 168	0	0	1	7.343426
## 169	0	1	0	5.323010
## 170	0	0	1	10.942792
## 171	0	0	1	7.378324
## 172	0	0	1	7.671827
## 174	0	0	1	8.528133
## 175	NA	NA	NA	NA
## 176	NA	NA	NA	NA
## 177	0	0	1	8.403419
## 179	NA	NA	NA	NA
## 180	1	0	0	-6.907755
## 181	0	1	0	6.025866
## 183	0	0	1	8.754634
## 184	0	1	0	5.817111
## 185	0	1	0	7.230632
## 186	NA	NA	NA	NA
## 188	NA	NA	NA	NA
## 190	0	0	1	7.693026
## 193	0	1	0	-6.907755
## 194	0	0	1	8.769768
## 195	0	1	0	6.980724
## 196	1	0	0	-6.907755
## 198	1	0	0	-6.907755
## 199	NA	NA	NA	NA
## 200	NA	NA	NA	NA
## 202	NA	NA	NA	NA
## 203	0	0	1	8.951888
## 204	0	0	1	10.522315
## 205	0	1	0	6.915342
## 206	0	1	0	-6.907755
## 209	1	0	0	-6.907755
## 210	0	1	0	-6.907755
## 211	0	1	0	-6.907755
## 212	NA	NA	NA	NA
## 214	0	1	0	-6.907755
## 215	1	0	0	-6.907755
## 216	1	0	0	-6.907755
## 217	0	1	0	6.444131

## 218	NA	NA	NA	NA
## 220	0	0	1	8.332068
## 222	1	0	0	-6.907755
## 223	0	1	0	5.703783
## 224	NA	NA	NA	NA
## 225	0	0	1	8.654249
## 226	0	0	1	7.712884
## 227	0	0	1	8.101375
## 228	0	0	1	8.039803
## 229	NA	NA	NA	NA
## 230	0	0	1	7.430114
## 231	0	1	0	-6.907755
## 232	1	0	0	-6.907755
## 233	0	0	1	7.976595
## 234	0	0	1	7.748891
## 236	0	1	0	7.145985
## 238	0	1	0	5.877736
## 239	NA	NA	NA	NA
##	ntpro0_adj.1	tntbnp_0.1	ntbnpnp3cat.1	i_ntbnpnp3cat1.1
## 1	5995.8555	3	3	0
## 2	1248.0000	1	1	1
## 3	5464.0000	3	3	0
## 4	671.0000	1	1	1
## 5	4208.3657	2	2	0
## 6	683.6310	1	1	1
## 7	7534.0000	3	3	0
## 8	NA	NA	NA	NA
## 10	1852.0000	2	2	0
## 11	3043.6047	2	2	0
## 12	6393.2446	3	3	0
## 13	NA	NA	NA	NA
## 14	198.0000	1	1	1
## 16	694.0000	1	1	1
## 17	NA	NA	NA	NA
## 18	986.0000	1	1	1
## 19	NA	NA	NA	NA
## 20	621.2059	1	1	1
## 21	7644.0000	3	3	0
## 23	20450.0000	3	3	0
## 25	247110.0000	3	3	0
## 26	6846.0000	3	3	0
## 27	4372.8027	2	2	0
## 28	2343.0000	2	2	0
## 29	461.3368	1	1	1
## 30	28888.0000	3	3	0
## 33	8806.5078	3	3	0
## 34	1329.1980	1	1	1
## 35	3055.0000	2	2	0
## 36	39795.2460	3	3	0
## 37	2443.7146	2	2	0
## 38	10090.0290	3	3	0
## 39	2557.9070	2	2	0
## 40	4895.0420	3	3	0
## 41	1140.4001	1	1	1

## 43	4062.1997	2	2	0	1
## 44	1525.6088	1	1	1	0
## 45	334.9640	1	1	1	0
## 46	1604.0000	2	2	0	1
## 47	6416.0830	3	3	0	0
## 48	855.0000	1	1	1	0
## 49	17701.3240	3	3	0	0
## 50	1305.0000	1	1	1	0
## 51	64285.0000	3	3	0	0
## 52	2273.1875	2	2	0	1
## 54	13904.0510	3	3	0	0
## 55	1962.0000	2	2	0	1
## 56	27022.0000	3	3	0	0
## 57	1412.9391	1	1	1	0
## 58	1355.0000	1	1	1	0
## 59	2870.0000	2	2	0	1
## 60	NA	NA	NA	NA	NA
## 62	1706.0000	2	2	0	1
## 65	NA	NA	NA	NA	NA
## 67	4284.4941	2	2	0	1
## 68	766.0000	1	1	1	0
## 69	254.2681	1	1	1	0
## 70	1617.0000	2	2	0	1
## 71	768.8946	1	1	1	0
## 72	5501.0225	3	3	0	0
## 73	622.0000	1	1	1	0
## 74	2180.0000	2	2	0	1
## 75	1073.4073	1	1	1	0
## 76	2905.0000	2	2	0	1
## 77	1870.0000	2	2	0	1
## 79	11790.0000	3	3	0	0
## 80	613.5931	1	1	1	0
## 81	740.0000	1	1	1	0
## 83	1792.0574	2	2	0	1
## 87	3203.4739	2	2	0	1
## 88	2114.8408	2	2	0	1
## 89	5067.0000	3	3	0	0
## 90	338.0000	1	1	1	0
## 91	741.0000	1	1	1	0
## 92	2198.5818	2	2	0	1
## 93	95569.7970	3	3	0	0
## 94	3637.4045	2	2	0	1
## 95	733.0000	1	1	1	0
## 96	4534.0000	2	2	0	1
## 97	1036.0000	1	1	1	0
## 98	1284.0000	1	1	1	0
## 99	1667.0000	2	2	0	1
## 100	993.0000	1	1	1	0
## 101	2437.6243	2	2	0	1
## 102	NA	NA	NA	NA	NA
## 103	987.0000	1	1	1	0
## 105	2997.9277	2	2	0	1
## 107	NA	NA	NA	NA	NA
## 108	4797.0000	3	2	0	1

## 109	5112.7686	3	3	0	0
## 110	947.0346	1	1	1	0
## 112	490.2655	1	1	1	0
## 113	4523.5366	2	2	0	1
## 116	1401.0000	1	1	1	0
## 118	5486.0000	3	3	0	0
## 119	4454.0000	2	2	0	1
## 120	984.0000	1	1	1	0
## 121	5267.0000	3	3	0	0
## 122	2562.4746	2	2	0	1
## 123	333.4414	1	1	1	0
## 124	NA	NA	NA	NA	NA
## 125	1117.5616	1	1	1	0
## 126	1739.0000	2	2	0	1
## 127	714.0823	1	1	1	0
## 128	1122.1294	1	1	1	0
## 129	349.0000	1	1	1	0
## 131	478.0850	1	1	1	0
## 132	2586.8357	2	2	0	1
## 134	NA	NA	NA	NA	NA
## 136	584.6644	1	1	1	0
## 137	5134.0845	3	3	0	0
## 139	6395.0000	3	3	0	0
## 140	11548.6460	3	3	0	0
## 141	8660.0000	3	3	0	0
## 142	3904.0000	2	2	0	1
## 144	3439.0000	2	2	0	1
## 146	NA	NA	NA	NA	NA
## 147	509.0000	1	1	1	0
## 148	5944.0884	3	3	0	0
## 149	7532.1221	3	3	0	0
## 150	6551.5913	3	3	0	0
## 151	1502.0000	1	1	1	0
## 154	2367.5864	2	2	0	1
## 155	1364.2170	1	1	1	0
## 156	298.4225	1	1	1	0
## 157	1645.0000	2	2	0	1
## 158	3366.3882	2	2	0	1
## 159	3932.7820	2	2	0	1
## 160	754.0000	1	1	1	0
## 161	4820.0000	3	2	0	1
## 162	1391.6232	1	1	1	0
## 163	2515.2751	2	2	0	1
## 164	22364.9380	3	3	0	0
## 166	1190.0000	1	1	1	0
## 167	713.0000	1	1	1	0
## 168	5060.0000	3	3	0	0
## 169	20276.0000	3	3	0	0
## 170	4351.0000	2	2	0	1
## 171	2764.9756	2	2	0	1
## 172	407.0000	1	1	1	0
## 174	36575.0000	3	3	0	0
## 175	584.0000	1	1	1	0
## 176	5884.7085	3	3	0	0

## 177	12177.4640	3	3	0	0
## 179	773.0000	1	1	1	0
## 180	5578.6733	3	3	0	0
## 181	5240.0000	3	3	0	0
## 183	102965.0000	3	3	0	0
## 184	752.0000	1	1	1	0
## 185	793.2557	1	1	1	0
## 186	379.0000	1	1	1	0
## 188	NA	NA	NA	NA	NA
## 190	2219.0000	2	2	0	1
## 193	2056.0000	2	2	0	1
## 194	38938.0430	3	3	0	0
## 195	3702.8748	2	2	0	1
## 196	305283.1600	3	3	0	0
## 198	9954.0000	3	3	0	0
## 199	NA	NA	NA	NA	NA
## 200	614.0000	1	1	1	0
## 202	3389.0000	2	2	0	1
## 203	31757.6330	3	3	0	0
## 204	588.0000	1	1	1	0
## 205	680.5859	1	1	1	0
## 206	619.6834	1	1	1	0
## 209	2043.2804	2	2	0	1
## 210	834.3649	1	1	1	0
## 211	3652.6301	2	2	0	1
## 212	NA	NA	NA	NA	NA
## 214	2598.0000	2	2	0	1
## 215	914.0000	1	1	1	0
## 216	711.0372	1	1	1	0
## 217	265.0000	1	1	1	0
## 218	2576.1777	2	2	0	1
## 220	5340.0000	3	3	0	0
## 222	1367.2621	1	1	1	0
## 223	1499.0000	1	1	1	0
## 224	5489.0000	3	3	0	0
## 225	9914.9346	3	3	0	0
## 226	13296.5480	3	3	0	0
## 227	1254.0000	1	1	1	0
## 228	5273.0000	3	3	0	0
## 229	8607.0518	3	3	0	0
## 230	1616.0000	2	2	0	1
## 231	1406.8488	1	1	1	0
## 232	5527.0000	3	3	0	0
## 233	471.0000	1	1	1	0
## 234	7249.0000	3	3	0	0
## 236	7018.0000	3	3	0	0
## 238	3937.0000	2	2	0	1
## 239	287.0000	1	1	1	0
##	i_ntbnppre3cat3.1	logntp0.1	ntpro1_adj.1	tntbnp_1.1	ntbnppost3cat.1
## 1	1	8.698824	NA	NA	NA
## 2	0	7.129298	7969.0000	1	1
## 3	1	8.605936	37278.0000	3	3
## 4	0	6.508769	NA	NA	NA
## 5	0	8.344830	24511.7520	3	3

## 6	0	6.527418	8937.4482	1	1
## 7	1	8.927181	11589.0000	2	2
## 8	NA	NA	659.2701	1	1
## 10	0	7.524022	NA	NA	NA
## 11	0	8.020798	NA	NA	NA
## 12	1	8.762998	30612.6640	3	3
## 13	NA	NA	38271.0000	3	3
## 14	0	5.288267	NA	NA	NA
## 16	0	6.542472	7019.0000	1	1
## 17	NA	NA	2829.0000	1	1
## 18	0	6.893656	27019.0000	3	3
## 19	NA	NA	NA	NA	NA
## 20	0	6.431663	8501.9951	1	1
## 21	1	8.941676	39487.0000	3	3
## 23	1	9.925738	16255.0000	2	2
## 25	1	12.417589	246861.0000	3	3
## 26	1	8.831420	NA	NA	NA
## 27	0	8.383160	NA	NA	NA
## 28	0	7.759187	13279.0000	2	2
## 29	0	6.134129	NA	NA	NA
## 30	1	10.271181	43047.0000	3	3
## 33	1	9.083246	36072.5780	3	3
## 34	0	7.192331	20180.0590	2	2
## 35	0	8.024535	NA	NA	NA
## 36	1	10.591503	NA	NA	NA
## 37	0	7.801274	20346.0180	2	2
## 38	1	9.219303	15088.6050	2	2
## 39	0	7.846945	NA	NA	NA
## 40	1	8.495978	71112.8590	3	3
## 41	0	7.039135	11967.3510	2	2
## 43	0	8.309480	NA	NA	NA
## 44	0	7.330149	16219.8700	2	2
## 45	0	5.814023	NA	NA	NA
## 46	0	7.380256	6066.0000	1	1
## 47	1	8.766563	13132.1110	2	2
## 48	0	6.751101	11338.0000	2	2
## 49	1	9.781395	NA	NA	NA
## 50	0	7.173958	NA	NA	NA
## 51	1	11.071081	211798.0000	3	3
## 52	0	7.728938	14561.7990	2	2
## 54	1	9.539935	62321.5740	3	3
## 55	0	7.581720	11690.0000	2	2
## 56	1	10.204407	93163.0000	3	3
## 57	0	7.253427	NA	NA	NA
## 58	0	7.211557	12222.0000	2	2
## 59	0	7.962067	8393.0000	1	1
## 60	NA	NA	21058.0000	2	2
## 62	0	7.441907	7137.0000	1	1
## 65	NA	NA	4104.8315	1	1
## 67	0	8.362758	16617.2600	2	2
## 68	0	6.641182	8091.0000	1	1
## 69	0	5.538389	22514.1480	3	2
## 70	0	7.388328	NA	NA	NA
## 71	0	6.644954	11818.1390	2	2

## 72	1	8.612689	NA	NA	NA
## 73	0	6.432940	12822.0000	2	2
## 74	0	7.687080	NA	NA	NA
## 75	0	6.978593	NA	NA	NA
## 76	0	7.974189	NA	NA	NA
## 77	0	7.533694	16657.0000	2	2
## 79	1	9.375007	24857.0000	3	3
## 80	0	6.419332	11129.9400	2	2
## 81	0	6.606650	4843.0000	1	1
## 83	0	7.491119	15240.8620	2	2
## 87	0	8.071991	NA	NA	NA
## 88	0	7.656735	NA	NA	NA
## 89	1	8.530504	7404.0000	1	1
## 90	0	5.823046	5077.0000	1	1
## 91	0	6.608001	7327.0000	1	1
## 92	0	7.695568	NA	NA	NA
## 93	1	11.467612	NA	NA	NA
## 94	0	8.199026	32037.7830	3	3
## 95	0	6.597146	NA	NA	NA
## 96	0	8.419360	34093.0000	3	3
## 97	0	6.943122	NA	NA	NA
## 98	0	7.157735	18331.0000	2	2
## 99	0	7.418781	9799.0000	1	1
## 100	0	6.900731	6949.0000	1	1
## 101	0	7.798779	NA	NA	NA
## 102	NA	NA	NA	NA	NA
## 103	0	6.894670	NA	NA	NA
## 105	0	8.005676	16495.4550	2	2
## 107	NA	NA	27285.0000	3	3
## 108	0	8.475746	43343.0000	3	3
## 109	1	8.539496	42855.5980	3	3
## 110	0	6.853336	NA	NA	NA
## 112	0	6.194947	NA	NA	NA
## 113	0	8.417049	11965.8270	2	2
## 116	0	7.244942	NA	NA	NA
## 118	1	8.609955	10047.0000	1	1
## 119	0	8.401558	7573.0000	1	1
## 120	0	6.891626	24508.0000	3	3
## 121	1	8.569216	31532.0000	3	3
## 122	0	7.848729	NA	NA	NA
## 123	0	5.809467	15752.4430	2	2
## 124	NA	NA	15734.0000	2	2
## 125	0	7.018905	4954.4219	1	1
## 126	0	7.461065	NA	NA	NA
## 127	0	6.570998	11735.9210	2	2
## 128	0	7.022984	26280.9710	3	3
## 129	0	5.855072	9583.0000	1	1
## 131	0	6.169788	24007.7830	3	3
## 132	0	7.858191	5461.4355	1	1
## 134	NA	NA	11801.0000	2	2
## 136	0	6.371038	7844.2480	1	1
## 137	1	8.543656	29801.1390	3	3
## 139	1	8.763271	41119.0000	3	3
## 140	1	9.354323	11203.0230	2	2

## 141	1	9.066470	11406.0000	2	2
## 142	0	8.269757	27424.0000	3	3
## 144	0	8.142936	13900.0000	2	2
## 146	NA	NA	23724.0000	3	3
## 147	0	6.232448	NA	NA	NA
## 148	1	8.690152	16754.2910	2	2
## 149	1	8.926932	NA	NA	NA
## 150	1	8.787463	14024.3340	2	2
## 151	0	7.314553	18397.0000	2	2
## 154	0	7.769626	10335.1620	1	1
## 155	0	7.218336	18398.6580	2	2
## 156	0	5.698510	NA	NA	NA
## 157	0	7.405496	7269.0000	1	1
## 158	0	8.121595	18148.9590	2	2
## 159	0	8.277102	38010.8010	3	3
## 160	0	6.625392	NA	NA	NA
## 161	0	8.480529	20593.0000	2	2
## 162	0	7.238226	NA	NA	NA
## 163	0	7.830137	28484.1210	3	3
## 164	1	10.015249	NA	NA	NA
## 166	0	7.081708	NA	NA	NA
## 167	0	6.569481	6626.0000	1	1
## 168	1	8.529121	7503.0000	1	1
## 169	1	9.917193	37356.0000	3	3
## 170	0	8.378161	38217.0000	3	3
## 171	0	7.924787	10301.6660	1	1
## 172	0	6.008813	11317.0000	2	2
## 174	1	10.507120	105302.0000	3	3
## 175	0	6.369901	NA	NA	NA
## 176	1	8.680113	NA	NA	NA
## 177	1	9.407342	34521.0860	3	3
## 179	0	6.650279	NA	NA	NA
## 180	1	8.626706	35366.1090	3	3
## 181	1	8.564076	15113.0000	2	2
## 183	1	11.542145	135355.0000	3	3
## 184	0	6.622737	8352.0000	1	1
## 185	0	6.676146	14528.3020	2	2
## 186	0	5.937536	NA	NA	NA
## 188	NA	NA	40000.7930	3	3
## 190	0	7.704812	4797.0000	1	1
## 193	0	7.628518	23837.0000	3	3
## 194	1	10.569727	46762.4960	3	3
## 195	0	8.216865	18887.4020	2	2
## 196	1	12.628995	266139.5600	3	3
## 198	1	9.205730	4050.0000	1	1
## 199	NA	NA	21216.9240	2	2
## 200	0	6.419995	NA	NA	NA
## 202	0	8.128290	NA	NA	NA
## 203	1	10.365889	94934.8910	3	3
## 204	0	6.376727	4436.0000	1	1
## 205	0	6.522954	7746.8037	1	1
## 206	0	6.429209	6288.1880	1	1
## 209	0	7.622312	5379.2173	1	1
## 210	0	6.726671	56800.7580	3	3

## 211	0	8.203203	15633.6840	2	2
## 212	NA	NA	37190.0000	3	3
## 214	0	7.862497	25888.0000	3	3
## 215	0	6.817831	13904.0000	2	2
## 216	0	6.566725	7637.1792	1	1
## 217	0	5.579730	6029.0000	1	1
## 218	0	7.854062	NA	NA	NA
## 220	1	8.582981	22654.0000	3	2
## 222	0	7.220565	11169.5260	2	2
## 223	0	7.312553	1409.0000	1	1
## 224	1	8.610501	NA	NA	NA
## 225	1	9.201797	26608.3220	3	3
## 226	1	9.495259	29566.6640	3	3
## 227	0	7.134094	11014.0000	2	1
## 228	1	8.570355	16216.0000	2	2
## 229	1	9.060337	NA	NA	NA
## 230	0	7.387709	4053.0000	1	1
## 231	0	7.249107	13136.6790	2	2
## 232	1	8.617400	30688.0000	3	3
## 233	0	6.154858	12842.0000	2	2
## 234	1	8.888618	23698.0000	3	3
## 236	1	8.856234	37852.0000	3	3
## 238	0	8.278174	14196.0000	2	2
## 239	0	5.659482	NA	NA	NA
##	i_ntbnppost3cat1.1 i_ntbnppost3cat2.1 i_ntbnppost3cat3.1 logntp1.1				
## 1	NA	NA	NA	NA	NA
## 2	1	0	0	8.983315	
## 3	0	0	1	10.526158	
## 4	NA	NA	NA	NA	NA
## 5	0	0	1	10.106908	
## 6	1	0	0	9.098005	
## 7	0	1	0	9.357812	
## 8	1	0	0	6.491133	
## 10	NA	NA	NA	NA	NA
## 11	NA	NA	NA	NA	NA
## 12	0	0	1	10.329169	
## 13	0	0	1	10.552447	
## 14	NA	NA	NA	NA	NA
## 16	1	0	0	8.856376	
## 17	1	0	0	7.947679	
## 18	0	0	1	10.204295	
## 19	NA	NA	NA	NA	NA
## 20	1	0	0	9.048057	
## 21	0	0	1	10.583727	
## 23	0	1	0	9.696155	
## 25	0	0	1	12.416581	
## 26	NA	NA	NA	NA	NA
## 27	NA	NA	NA	NA	NA
## 28	0	1	0	9.493939	
## 29	NA	NA	NA	NA	NA
## 30	0	0	1	10.670048	
## 33	0	0	1	10.493288	
## 34	0	1	0	9.912450	
## 35	NA	NA	NA	NA	NA

## 36	NA	NA	NA	NA
## 37	0	1	0	9.920641
## 38	0	1	0	9.621695
## 39	NA	NA	NA	NA
## 40	0	0	1	11.172024
## 41	0	1	0	9.389937
## 43	NA	NA	NA	NA
## 44	0	1	0	9.693993
## 45	NA	NA	NA	NA
## 46	1	0	0	8.710455
## 47	0	1	0	9.482816
## 48	0	1	0	9.335916
## 49	NA	NA	NA	NA
## 50	NA	NA	NA	NA
## 51	0	0	1	12.263389
## 52	0	1	0	9.586157
## 54	0	0	1	11.040063
## 55	0	1	0	9.366489
## 56	0	0	1	11.442106
## 57	NA	NA	NA	NA
## 58	0	1	0	9.410993
## 59	1	0	0	9.035153
## 60	0	1	0	9.955036
## 62	1	0	0	8.873048
## 65	1	0	0	8.319920
## 67	0	1	0	9.718197
## 68	1	0	0	8.998508
## 69	0	1	0	10.021899
## 70	NA	NA	NA	NA
## 71	0	1	0	9.377391
## 72	NA	NA	NA	NA
## 73	0	1	0	9.458918
## 74	NA	NA	NA	NA
## 75	NA	NA	NA	NA
## 76	NA	NA	NA	NA
## 77	0	1	0	9.720586
## 79	0	0	1	10.120894
## 80	0	1	0	9.317394
## 81	1	0	0	8.485290
## 83	0	1	0	9.631736
## 87	NA	NA	NA	NA
## 88	NA	NA	NA	NA
## 89	1	0	0	8.909776
## 90	1	0	0	8.532476
## 91	1	0	0	8.899322
## 92	NA	NA	NA	NA
## 93	NA	NA	NA	NA
## 94	0	0	1	10.374671
## 95	NA	NA	NA	NA
## 96	0	0	1	10.436848
## 97	NA	NA	NA	NA
## 98	0	1	0	9.816349
## 99	1	0	0	9.190036
## 100	1	0	0	8.846353

## 101	NA	NA	NA	NA
## 102	NA	NA	NA	NA
## 103	NA	NA	NA	NA
## 105	0	1	0	9.710840
## 107	0	0	1	10.214092
## 108	0	0	1	10.676901
## 109	0	0	1	10.665591
## 110	NA	NA	NA	NA
## 112	NA	NA	NA	NA
## 113	0	1	0	9.389811
## 116	NA	NA	NA	NA
## 118	1	0	0	9.215030
## 119	1	0	0	8.932344
## 120	0	0	1	10.106755
## 121	0	0	1	10.358758
## 122	NA	NA	NA	NA
## 123	0	1	0	9.664751
## 124	0	1	0	9.663579
## 125	1	0	0	8.508036
## 126	NA	NA	NA	NA
## 127	0	1	0	9.370410
## 128	0	0	1	10.176600
## 129	1	0	0	9.167746
## 131	0	0	1	10.086133
## 132	1	0	0	8.605467
## 134	0	1	0	9.375939
## 136	1	0	0	8.967536
## 137	0	0	1	10.302301
## 139	0	0	1	10.624226
## 140	0	1	0	9.323939
## 141	0	1	0	9.341895
## 142	0	0	1	10.219173
## 144	0	1	0	9.539644
## 146	0	0	1	10.074243
## 147	NA	NA	NA	NA
## 148	0	1	0	9.726410
## 149	NA	NA	NA	NA
## 150	0	1	0	9.548550
## 151	0	1	0	9.819942
## 154	1	0	0	9.243307
## 155	0	1	0	9.820033
## 156	NA	NA	NA	NA
## 157	1	0	0	8.891374
## 158	0	1	0	9.806369
## 159	0	0	1	10.545626
## 160	NA	NA	NA	NA
## 161	0	1	0	9.932707
## 162	NA	NA	NA	NA
## 163	0	0	1	10.257102
## 164	NA	NA	NA	NA
## 166	NA	NA	NA	NA
## 167	1	0	0	8.798757
## 168	1	0	0	8.923058
## 169	0	0	1	10.528249

## 170	0	0	1 10.551036
## 171	1	0	0 9.240061
## 172	0	1	0 9.334062
## 174	0	0	1 11.564588
## 175	NA	NA	NA NA
## 176	NA	NA	NA NA
## 177	0	0	1 10.449326
## 179	NA	NA	NA NA
## 180	0	0	1 10.473509
## 181	0	1	0 9.623311
## 183	0	0	1 11.815657
## 184	1	0	0 9.030256
## 185	0	1	0 9.583854
## 186	NA	NA	NA NA
## 188	0	0	1 10.596655
## 190	1	0	0 8.475746
## 193	0	0	1 10.078995
## 194	0	0	1 10.752837
## 195	0	1	0 9.846251
## 196	0	0	1 12.491776
## 198	1	0	0 8.306472
## 199	0	1	0 9.962554
## 200	NA	NA	NA NA
## 202	NA	NA	NA NA
## 203	0	0	1 11.460947
## 204	1	0	0 8.397509
## 205	1	0	0 8.955035
## 206	1	0	0 8.746429
## 209	1	0	0 8.590298
## 210	0	0	1 10.947305
## 211	0	1	0 9.657183
## 212	0	0	1 10.523795
## 214	0	0	1 10.161535
## 215	0	1	0 9.539932
## 216	1	0	0 8.940784
## 217	1	0	0 8.704336
## 218	NA	NA	NA NA
## 220	0	1	0 10.028091
## 222	0	1	0 9.320945
## 223	1	0	0 7.250636
## 224	NA	NA	NA NA
## 225	0	0	1 10.188979
## 226	0	0	1 10.294403
## 227	1	0	0 9.306923
## 228	0	1	0 9.693753
## 229	NA	NA	NA NA
## 230	1	0	0 8.307213
## 231	0	1	0 9.483164
## 232	0	0	1 10.331627
## 233	0	1	0 9.460476
## 234	0	0	1 10.073146
## 236	0	0	1 10.541439
## 238	0	1	0 9.560716
## 239	NA	NA	NA NA

##	ntbnpdiff.1	tntbnpdiff.1	ntbnpdiff3cat.1	i_ntbnpdiff3cat1.1
## 1	NA	NA	NA	NA
## 2	6721.0000	1	1	1
## 3	31814.0000	3	3	0
## 4	NA	NA	NA	NA
## 5	20303.3870	3	3	0
## 6	8253.8174	2	2	0
## 7	4055.0000	1	1	1
## 8	NA	NA	NA	NA
## 10	NA	NA	NA	NA
## 11	NA	NA	NA	NA
## 12	24219.4200	3	3	0
## 13	NA	NA	NA	NA
## 14	NA	NA	NA	NA
## 16	6325.0000	1	1	1
## 17	NA	NA	NA	NA
## 18	26033.0000	3	3	0
## 19	NA	NA	NA	NA
## 20	7880.7891	1	1	1
## 21	31843.0000	3	3	0
## 23	-4195.0000	1	1	1
## 25	-249.0000	1	1	1
## 26	NA	NA	NA	NA
## 27	NA	NA	NA	NA
## 28	10936.0000	2	2	0
## 29	NA	NA	NA	NA
## 30	14159.0000	2	2	0
## 33	27266.0700	3	3	0
## 34	18850.8610	3	3	0
## 35	NA	NA	NA	NA
## 36	NA	NA	NA	NA
## 37	17902.3030	3	3	0
## 38	4998.5762	1	1	1
## 39	NA	NA	NA	NA
## 40	66217.8200	3	3	0
## 41	10826.9500	2	2	0
## 43	NA	NA	NA	NA
## 44	14694.2620	2	2	0
## 45	NA	NA	NA	NA
## 46	4462.0000	1	1	1
## 47	6716.0283	1	1	1
## 48	10483.0000	2	2	0
## 49	NA	NA	NA	NA
## 50	NA	NA	NA	NA
## 51	147513.0000	3	3	0
## 52	12288.6110	2	2	0
## 54	48417.5230	3	3	0
## 55	9728.0000	2	2	0
## 56	66141.0000	3	3	0
## 57	NA	NA	NA	NA
## 58	10867.0000	2	2	0
## 59	5523.0000	1	1	1
## 60	NA	NA	NA	NA
## 62	5431.0000	1	1	1

## 65	NA	NA	NA	NA
## 67	12332.7660	2	2	0
## 68	7325.0000	1	1	1
## 69	22259.8810	3	3	0
## 70	NA	NA	NA	NA
## 71	11049.2440	2	2	0
## 72	NA	NA	NA	NA
## 73	12200.0000	2	2	0
## 74	NA	NA	NA	NA
## 75	NA	NA	NA	NA
## 76	NA	NA	NA	NA
## 77	14787.0000	2	2	0
## 79	13067.0000	2	2	0
## 80	10516.3480	2	2	0
## 81	4103.0000	1	1	1
## 83	13448.8050	2	2	0
## 87	NA	NA	NA	NA
## 88	NA	NA	NA	NA
## 89	2337.0000	1	1	1
## 90	4739.0000	1	1	1
## 91	6586.0000	1	1	1
## 92	NA	NA	NA	NA
## 93	NA	NA	NA	NA
## 94	28400.3790	3	3	0
## 95	NA	NA	NA	NA
## 96	29559.0000	3	3	0
## 97	NA	NA	NA	NA
## 98	17047.0000	3	3	0
## 99	8132.0000	2	2	0
## 100	5956.0000	1	1	1
## 101	NA	NA	NA	NA
## 102	NA	NA	NA	NA
## 103	NA	NA	NA	NA
## 105	13497.5270	2	2	0
## 107	NA	NA	NA	NA
## 108	38546.0000	3	3	0
## 109	37742.8280	3	3	0
## 110	NA	NA	NA	NA
## 112	NA	NA	NA	NA
## 113	7442.2905	1	1	1
## 116	NA	NA	NA	NA
## 118	4561.0000	1	1	1
## 119	3119.0000	1	1	1
## 120	23524.0000	3	3	0
## 121	26265.0000	3	3	0
## 122	NA	NA	NA	NA
## 123	15419.0020	2	2	0
## 124	NA	NA	NA	NA
## 125	3836.8604	1	1	1
## 126	NA	NA	NA	NA
## 127	11021.8390	2	2	0
## 128	25158.8420	3	3	0
## 129	9234.0000	2	2	0
## 131	23529.6970	3	3	0

## 132	2874.5999	1	1	1
## 134	NA	NA	NA	NA
## 136	7259.5835	1	1	1
## 137	24667.0550	3	3	0
## 139	34724.0000	3	3	0
## 140	-345.6221	1	1	1
## 141	2746.0000	1	1	1
## 142	23520.0000	3	3	0
## 144	10461.0000	2	2	0
## 146	NA	NA	NA	NA
## 147	NA	NA	NA	NA
## 148	10810.2030	2	2	0
## 149	NA	NA	NA	NA
## 150	7472.7427	1	1	1
## 151	16895.0000	3	2	0
## 154	7967.5757	2	2	0
## 155	17034.4410	3	3	0
## 156	NA	NA	NA	NA
## 157	5624.0000	1	1	1
## 158	14782.5700	2	2	0
## 159	34078.0200	3	3	0
## 160	NA	NA	NA	NA
## 161	15773.0000	2	2	0
## 162	NA	NA	NA	NA
## 163	25968.8460	3	3	0
## 164	NA	NA	NA	NA
## 166	NA	NA	NA	NA
## 167	5913.0000	1	1	1
## 168	2443.0000	1	1	1
## 169	17080.0000	3	3	0
## 170	33866.0000	3	3	0
## 171	7536.6904	1	1	1
## 172	10910.0000	2	2	0
## 174	68727.0000	3	3	0
## 175	NA	NA	NA	NA
## 176	NA	NA	NA	NA
## 177	22343.6210	3	3	0
## 179	NA	NA	NA	NA
## 180	29787.4360	3	3	0
## 181	9873.0000	2	2	0
## 183	32390.0000	3	3	0
## 184	7600.0000	1	1	1
## 185	13735.0460	2	2	0
## 186	NA	NA	NA	NA
## 188	NA	NA	NA	NA
## 190	2578.0000	1	1	1
## 193	21781.0000	3	3	0
## 194	7824.4531	1	1	1
## 195	15184.5270	2	2	0
## 196	-39143.5940	1	1	1
## 198	-5904.0000	1	1	1
## 199	NA	NA	NA	NA
## 200	NA	NA	NA	NA
## 202	NA	NA	NA	NA

## 203	63177.2580	3	3	0	
## 204	3848.0000	1	1	1	
## 205	7066.2178	1	1	1	
## 206	5668.5044	1	1	1	
## 209	3335.9370	1	1	1	
## 210	55966.3950	3	3	0	
## 211	11981.0540	2	2	0	
## 212	NA	NA	NA	NA	
## 214	23290.0000	3	3	0	
## 215	12990.0000	2	2	0	
## 216	6926.1421	1	1	1	
## 217	5764.0000	1	1	1	
## 218	NA	NA	NA	NA	
## 220	17314.0000	3	3	0	
## 222	9802.2646	2	2	0	
## 223	-90.0000	1	1	1	
## 224	NA	NA	NA	NA	
## 225	16693.3870	3	2	0	
## 226	16270.1160	2	2	0	
## 227	9760.0000	2	2	0	
## 228	10943.0000	2	2	0	
## 229	NA	NA	NA	NA	
## 230	2437.0000	1	1	1	
## 231	11729.8300	2	2	0	
## 232	25161.0000	3	3	0	
## 233	12371.0000	2	2	0	
## 234	16449.0000	2	2	0	
## 236	30834.0000	3	3	0	
## 238	10259.0000	2	2	0	
## 239	NA	NA	NA	NA	
##	i_ntbnpdiff3cat2.1	i_ntbnpdiff3cat3.1	logntbnpdiff.1	st20_adj.1	tst2_0.1
## 1	NA	NA	NA	3205.071	2
## 2	0	0	8.812992	5051.000	3
## 3	0	1	10.367661	2571.000	1
## 4	NA	NA	NA	5561.000	3
## 5	0	1	9.918543	2801.441	1
## 6	1	0	9.018431	6772.791	3
## 7	0	0	8.307706	3393.000	2
## 8	NA	NA	NA	NA	NA
## 10	NA	NA	NA	2900.000	1
## 11	NA	NA	NA	10164.985	3
## 12	0	1	10.094910	4965.734	3
## 13	NA	NA	NA	NA	NA
## 14	NA	NA	NA	4180.000	2
## 16	0	0	8.752265	2370.000	1
## 17	NA	NA	NA	NA	NA
## 18	0	1	10.167120	1942.000	1
## 19	NA	NA	NA	NA	NA
## 20	0	0	8.972183	2628.236	1
## 21	0	1	10.368573	4383.000	2
## 23	0	0	-6.907755	4904.000	3
## 25	0	0	-6.907755	13910.000	3
## 26	NA	NA	NA	6857.000	3
## 27	NA	NA	NA	4416.735	2

## 28	1	0	9.299815	4862.000	3
## 29	NA	NA	NA	4349.463	2
## 30	1	0	9.558105	3294.000	2
## 33	0	1	10.213398	6687.735	3
## 34	0	1	9.844314	11262.983	3
## 35	NA	NA	NA	5874.000	3
## 36	NA	NA	NA	3225.949	2
## 37	0	1	9.792685	3222.856	2
## 38	0	0	8.516909	3965.937	2
## 39	NA	NA	NA	2762.006	1
## 40	0	1	11.100705	3998.413	2
## 41	1	0	9.289794	3334.202	2
## 43	NA	NA	NA	3253.785	2
## 44	1	0	9.595212	4247.396	2
## 45	NA	NA	NA	1762.982	1
## 46	0	0	8.403353	5868.000	3
## 47	0	0	8.812252	4820.365	3
## 48	1	0	9.257510	5009.000	3
## 49	NA	NA	NA	3263.064	2
## 50	NA	NA	NA	3009.000	1
## 51	0	1	11.901671	5159.000	3
## 52	1	0	9.416429	10451.084	3
## 54	0	1	10.787617	5579.685	3
## 55	1	0	9.182764	4279.000	2
## 56	0	1	11.099545	4261.000	2
## 57	NA	NA	NA	5045.377	3
## 58	1	0	9.293486	3303.000	2
## 59	0	0	8.616676	2856.000	1
## 60	NA	NA	NA	NA	NA
## 62	0	0	8.599878	2841.000	1
## 65	NA	NA	NA	NA	NA
## 67	1	0	9.420015	3580.092	2
## 68	0	0	8.899049	1792.000	1
## 69	0	1	10.010541	3438.589	2
## 70	NA	NA	NA	6719.000	3
## 71	1	0	9.310118	4610.818	2
## 72	NA	NA	NA	3261.518	2
## 73	1	0	9.409191	2690.000	1
## 74	NA	NA	NA	3322.000	2
## 75	NA	NA	NA	3009.442	1
## 76	NA	NA	NA	6880.000	3
## 77	1	0	9.601503	6320.000	3
## 79	1	0	9.477845	5318.000	3
## 80	1	0	9.260686	6102.394	3
## 81	0	0	8.319473	3902.000	2
## 83	1	0	9.506645	3177.235	1
## 87	NA	NA	NA	4735.309	3
## 88	NA	NA	NA	3706.903	2
## 89	0	0	7.756623	4975.000	3
## 90	0	0	8.463581	6329.000	3
## 91	0	0	8.792702	1507.000	1
## 92	NA	NA	NA	3364.358	2
## 93	NA	NA	NA	13058.442	3
## 94	0	1	10.254158	3042.691	1

## 95	NA	NA	NA	2668.000	1
## 96	0	1	10.294144	2384.000	1
## 97	NA	NA	NA	4679.000	3
## 98	0	1	9.743730	6297.000	3
## 99	1	0	9.003562	5454.000	3
## 100	0	0	8.692154	4445.000	2
## 101	NA	NA	NA	3640.404	2
## 102	NA	NA	NA	NA	NA
## 103	NA	NA	NA	4370.000	2
## 105	1	0	9.510262	3970.577	2
## 107	NA	NA	NA	NA	NA
## 108	0	1	10.559608	1845.000	1
## 109	0	1	10.538550	7601.702	3
## 110	NA	NA	NA	2990.884	1
## 112	NA	NA	NA	4149.968	2
## 113	0	0	8.914934	3515.140	2
## 116	NA	NA	NA	4579.000	2
## 118	0	0	8.425297	3294.000	2
## 119	0	0	8.045268	2783.000	1
## 120	0	1	10.065777	4383.000	2
## 121	0	1	10.175993	3452.000	2
## 122	NA	NA	NA	3583.185	2
## 123	1	0	9.643356	2891.910	1
## 124	NA	NA	NA	NA	NA
## 125	0	0	8.252410	2616.637	1
## 126	NA	NA	NA	3317.000	2
## 127	1	0	9.307634	3585.504	2
## 128	0	1	10.132965	6223.792	3
## 129	1	0	9.130648	4484.000	2
## 131	0	1	10.066019	2098.568	1
## 132	0	0	7.963669	4650.253	3
## 134	NA	NA	NA	NA	NA
## 136	0	0	8.890078	2028.203	1
## 137	0	1	10.113224	10552.378	3
## 139	0	1	10.455187	9031.000	3
## 140	0	0	-6.907755	3481.890	2
## 141	0	0	7.917901	31941.000	3
## 142	0	1	10.065606	10382.000	3
## 144	1	0	9.255409	2761.000	1
## 146	NA	NA	NA	NA	NA
## 147	NA	NA	NA	3515.000	2
## 148	1	0	9.288246	8927.805	3
## 149	NA	NA	NA	4589.167	2
## 150	0	0	8.919018	6949.089	3
## 151	1	0	9.734773	3445.000	2
## 154	1	0	8.983135	4122.905	2
## 155	0	1	9.742992	2772.831	1
## 156	NA	NA	NA	2264.814	1
## 157	0	0	8.634798	9617.000	3
## 158	1	0	9.601204	4490.193	2
## 159	0	1	10.436408	4693.554	3
## 160	NA	NA	NA	3809.000	2
## 161	1	0	9.666055	3400.000	2
## 162	NA	NA	NA	3788.093	2

## 163	0	1	10.164653	2959.182	1
## 164	NA	NA	NA	4856.708	3
## 166	NA	NA	NA	5181.000	3
## 167	0	0	8.684909	4454.000	2
## 168	0	0	7.800982	6791.000	3
## 169	0	1	9.745664	5887.000	3
## 170	0	1	10.430167	2548.000	1
## 171	0	0	8.927539	4658.758	3
## 172	1	0	9.297435	3799.000	2
## 174	0	1	11.137897	40871.000	3
## 175	NA	NA	NA	4421.000	2
## 176	NA	NA	NA	8224.158	3
## 177	0	1	10.014297	42554.375	3
## 179	NA	NA	NA	3318.000	2
## 180	0	1	10.301842	4374.980	2
## 181	1	0	9.197559	3230.000	2
## 183	0	1	10.385605	20501.000	3
## 184	0	0	8.935904	9388.000	3
## 185	1	0	9.527706	6707.066	3
## 186	NA	NA	NA	2529.000	1
## 188	NA	NA	NA	NA	NA
## 190	0	0	7.854769	4797.000	3
## 193	0	1	9.988793	2961.000	1
## 194	0	0	8.965009	3608.701	2
## 195	1	0	9.628033	1592.097	1
## 196	0	0	-6.907755	31559.705	3
## 198	0	0	-6.907755	6607.000	3
## 199	NA	NA	NA	NA	NA
## 200	NA	NA	NA	3891.000	2
## 202	NA	NA	NA	2217.000	1
## 203	0	1	11.053699	4879.905	3
## 204	0	0	8.255309	2438.000	1
## 205	0	0	8.863081	1849.585	1
## 206	0	0	8.642680	3848.405	2
## 209	0	0	8.112509	2377.706	1
## 210	0	1	10.932507	9493.815	3
## 211	1	0	9.391082	5762.169	3
## 212	NA	NA	NA	NA	NA
## 214	0	1	10.055779	1974.000	1
## 215	1	0	9.471935	4183.000	2
## 216	0	0	8.843059	3402.247	2
## 217	0	0	8.659387	2130.000	1
## 218	NA	NA	NA	3297.860	2
## 220	0	1	9.759271	4586.000	2
## 222	1	0	9.190369	3624.939	2
## 223	0	0	-6.907755	3102.000	1
## 224	NA	NA	NA	4487.000	2
## 225	1	0	9.722768	4195.589	2
## 226	1	0	9.697085	4890.730	3
## 227	1	0	9.186048	4107.000	2
## 228	1	0	9.300455	7273.000	3
## 229	NA	NA	NA	6913.520	3
## 230	0	0	7.798523	3473.000	2
## 231	1	0	9.369890	4000.733	2

## 232	0	1	10.133051	10061.000	3
## 233	1	0	9.423110	3979.000	2
## 234	1	0	9.708020	3017.000	1
## 236	0	1	10.336373	4163.000	2
## 238	1	0	9.235910	8250.000	3
## 239	NA	NA	NA	3022.000	1
##	st2pre3cat.1	i_st2pre3cat1.1	i_st2pre3cat2.1	i_st2pre3cat3.1	logst20.1
## 1	2	0	1	0	8.072490
## 2	3	0	0	1	8.527342
## 3	1	1	0	0	7.852050
## 4	3	0	0	1	8.623533
## 5	1	1	0	0	7.937889
## 6	3	0	0	1	8.820668
## 7	2	0	1	0	8.129470
## 8	NA	NA	NA	NA	NA
## 10	1	1	0	0	7.972466
## 11	3	0	0	1	9.226705
## 12	3	0	0	1	8.510317
## 13	NA	NA	NA	NA	NA
## 14	2	0	1	0	8.338066
## 16	1	1	0	0	7.770645
## 17	NA	NA	NA	NA	NA
## 18	1	1	0	0	7.571474
## 19	NA	NA	NA	NA	NA
## 20	1	1	0	0	7.874068
## 21	2	0	1	0	8.385488
## 23	3	0	0	1	8.497806
## 25	3	0	0	1	9.540363
## 26	3	0	0	1	8.833025
## 27	2	0	1	0	8.393156
## 28	3	0	0	1	8.489205
## 29	2	0	1	0	8.377808
## 30	2	0	1	0	8.099858
## 33	3	0	0	1	8.808030
## 34	3	0	0	1	9.329277
## 35	3	0	0	1	8.678291
## 36	2	0	1	0	8.078982
## 37	2	0	1	0	8.078023
## 38	2	0	1	0	8.285498
## 39	1	1	0	0	7.923712
## 40	2	0	1	0	8.293653
## 41	2	0	1	0	8.111989
## 43	2	0	1	0	8.087574
## 44	2	0	1	0	8.354061
## 45	1	1	0	0	7.474762
## 46	3	0	0	1	8.677269
## 47	3	0	0	1	8.480605
## 48	3	0	0	1	8.518992
## 49	2	0	1	0	8.090422
## 50	1	1	0	0	8.009363
## 51	3	0	0	1	8.548498
## 52	3	0	0	1	9.254461
## 54	3	0	0	1	8.626887
## 55	2	0	1	0	8.361475

## 56	2	0	1	0	8.357259
## 57	3	0	0	1	8.526228
## 58	2	0	1	0	8.102587
## 59	1	1	0	0	7.957177
## 60	NA	NA	NA	NA	NA
## 62	1	1	0	0	7.951911
## 65	NA	NA	NA	NA	NA
## 67	2	0	1	0	8.183144
## 68	1	1	0	0	7.491087
## 69	2	0	1	0	8.142817
## 70	3	0	0	1	8.812694
## 71	2	0	1	0	8.436160
## 72	2	0	1	0	8.089948
## 73	1	1	0	0	7.897296
## 74	2	0	1	0	8.108322
## 75	1	1	0	0	8.009510
## 76	3	0	0	1	8.836374
## 77	3	0	0	1	8.751474
## 79	3	0	0	1	8.578853
## 80	3	0	0	1	8.716436
## 81	2	0	1	0	8.269244
## 83	1	1	0	0	8.063766
## 87	3	0	0	1	8.462802
## 88	2	0	1	0	8.217952
## 89	3	0	0	1	8.512180
## 90	3	0	0	1	8.752897
## 91	1	1	0	0	7.317876
## 92	2	0	1	0	8.120993
## 93	3	0	0	1	9.477190
## 94	1	1	0	0	8.020497
## 95	1	1	0	0	7.889084
## 96	1	1	0	0	7.776535
## 97	3	0	0	1	8.450840
## 98	3	0	0	1	8.747829
## 99	3	0	0	1	8.604105
## 100	2	0	1	0	8.399535
## 101	2	0	1	0	8.199850
## 102	NA	NA	NA	NA	NA
## 103	2	0	1	0	8.382518
## 105	2	0	1	0	8.286667
## 107	NA	NA	NA	NA	NA
## 108	1	1	0	0	7.520235
## 109	3	0	0	1	8.936128
## 110	1	1	0	0	8.003324
## 112	2	0	1	0	8.330856
## 113	2	0	1	0	8.164835
## 116	2	0	1	0	8.429236
## 118	2	0	1	0	8.099858
## 119	1	1	0	0	7.931285
## 120	2	0	1	0	8.385488
## 121	2	0	1	0	8.146709
## 122	2	0	1	0	8.184008
## 123	1	1	0	0	7.969672
## 124	NA	NA	NA	NA	NA

## 125	1	1	0	0	7.869645
## 126	2	0	1	0	8.106816
## 127	2	0	1	0	8.184654
## 128	3	0	0	1	8.736135
## 129	2	0	1	0	8.408271
## 131	1	1	0	0	7.649010
## 132	2	0	1	0	8.444677
## 134	NA	NA	NA	NA	NA
## 136	1	1	0	0	7.614905
## 137	3	0	0	1	9.264107
## 139	3	0	0	1	9.108419
## 140	2	0	1	0	8.155331
## 141	3	0	0	1	10.371646
## 142	3	0	0	1	9.247829
## 144	1	1	0	0	7.923348
## 146	NA	NA	NA	NA	NA
## 147	2	0	1	0	8.164795
## 148	3	0	0	1	9.096926
## 149	2	0	1	0	8.431454
## 150	3	0	0	1	8.846366
## 151	2	0	1	0	8.144679
## 154	2	0	1	0	8.324313
## 155	1	1	0	0	7.927624
## 156	1	1	0	0	7.725248
## 157	3	0	0	1	9.171288
## 158	2	0	1	0	8.409651
## 159	3	0	0	1	8.453945
## 160	2	0	1	0	8.245122
## 161	2	0	1	0	8.131531
## 162	2	0	1	0	8.239618
## 163	1	1	0	0	7.992668
## 164	3	0	0	1	8.488116
## 166	3	0	0	1	8.552753
## 167	2	0	1	0	8.401558
## 168	3	0	0	1	8.823354
## 169	3	0	0	1	8.680502
## 170	1	1	0	0	7.843064
## 171	2	0	1	0	8.446505
## 172	2	0	1	0	8.242494
## 174	3	0	0	1	10.618176
## 175	2	0	1	0	8.394121
## 176	3	0	0	1	9.014831
## 177	3	0	0	1	10.658538
## 179	2	0	1	0	8.107118
## 180	2	0	1	0	8.383657
## 181	2	0	1	0	8.080237
## 183	3	0	0	1	9.928229
## 184	3	0	0	1	9.147187
## 185	3	0	0	1	8.810917
## 186	1	1	0	0	7.835579
## 188	NA	NA	NA	NA	NA
## 190	3	0	0	1	8.475746
## 193	1	1	0	0	7.993282
## 194	2	0	1	0	8.191103

## 195	1	1	0	0	7.372807
## 196	3	0	0	1	10.359636
## 198	3	0	0	1	8.795885
## 199	NA	NA	NA	NA	NA
## 200	2	0	1	0	8.266421
## 202	1	1	0	0	7.703910
## 203	3	0	0	1	8.492881
## 204	1	1	0	0	7.798934
## 205	1	1	0	0	7.522716
## 206	2	0	1	0	8.255414
## 209	1	1	0	0	7.773891
## 210	3	0	0	1	9.158396
## 211	3	0	0	1	8.659069
## 212	NA	NA	NA	NA	NA
## 214	1	1	0	0	7.587817
## 215	2	0	1	0	8.338784
## 216	2	0	1	0	8.132192
## 217	1	1	0	0	7.663877
## 218	2	0	1	0	8.101029
## 220	2	0	1	0	8.430763
## 222	2	0	1	0	8.195593
## 223	1	1	0	0	8.039803
## 224	2	0	1	0	8.408939
## 225	2	0	1	0	8.341789
## 226	3	0	0	1	8.495097
## 227	2	0	1	0	8.320448
## 228	3	0	0	1	8.891924
## 229	3	0	0	1	8.841234
## 230	2	0	1	0	8.152774
## 231	2	0	1	0	8.294233
## 232	3	0	0	1	9.216422
## 233	2	0	1	0	8.288786
## 234	1	1	0	0	8.012018
## 236	2	0	1	0	8.333991
## 238	3	0	0	1	9.017968
## 239	1	1	0	0	8.013674
##	st21_adj.1	tst2_1.1	st2post3cat.1	i_st2post3cat1.1	i_st2post3cat2.1
## 1	NA	NA	NA	NA	NA
## 2	53437.000	2	2	0	1
## 3	112780.000	3	3	0	0
## 4	NA	NA	NA	NA	NA
## 5	67607.281	3	3	0	0
## 6	12149.888	1	1	1	0
## 7	54245.000	2	2	0	1
## 8	2221.512	1	1	1	0
## 10	NA	NA	NA	NA	NA
## 11	NA	NA	NA	NA	NA
## 12	81395.664	3	3	0	0
## 13	23538.000	1	1	1	0
## 14	NA	NA	NA	NA	NA
## 16	44528.000	2	2	0	1
## 17	11722.000	1	1	1	0
## 18	28262.000	1	1	1	0
## 19	NA	NA	NA	NA	NA

## 20	71728.641	3	3	0	0
## 21	88372.000	3	3	0	0
## 23	43257.000	2	2	0	1
## 25	37340.000	2	2	0	1
## 26	NA	NA	NA	NA	NA
## 27	NA	NA	NA	NA	NA
## 28	23239.000	1	1	1	0
## 29	NA	NA	NA	NA	NA
## 30	37526.000	2	2	0	1
## 33	27432.936	1	1	1	0
## 34	42402.820	2	2	0	1
## 35	NA	NA	NA	NA	NA
## 36	NA	NA	NA	NA	NA
## 37	54391.102	2	2	0	1
## 38	33242.273	2	2	0	1
## 39	NA	NA	NA	NA	NA
## 40	40300.387	2	2	0	1
## 41	25080.746	1	1	1	0
## 43	NA	NA	NA	NA	NA
## 44	28323.705	1	1	1	0
## 45	NA	NA	NA	NA	NA
## 46	62809.000	3	2	0	1
## 47	38345.641	2	2	0	1
## 48	7268.000	1	1	1	0
## 49	NA	NA	NA	NA	NA
## 50	NA	NA	NA	NA	NA
## 51	28128.000	1	1	1	0
## 52	84671.102	3	3	0	0
## 54	63812.234	3	3	0	0
## 55	10842.000	1	1	1	0
## 56	408413.000	3	3	0	0
## 57	NA	NA	NA	NA	NA
## 58	18328.000	1	1	1	0
## 59	53406.000	2	2	0	1
## 60	20899.000	1	1	1	0
## 62	13662.000	1	1	1	0
## 65	33217.527	2	2	0	1
## 67	50269.742	2	2	0	1
## 68	6449.000	1	1	1	0
## 69	16168.405	1	1	1	0
## 70	NA	NA	NA	NA	NA
## 71	20292.082	1	1	1	0
## 72	NA	NA	NA	NA	NA
## 73	24746.000	1	1	1	0
## 74	NA	NA	NA	NA	NA
## 75	NA	NA	NA	NA	NA
## 76	NA	NA	NA	NA	NA
## 77	166025.000	3	3	0	0
## 79	34434.000	2	2	0	1
## 80	11815.849	1	1	1	0
## 81	74105.000	3	3	0	0
## 83	26437.777	1	1	1	0
## 87	NA	NA	NA	NA	NA
## 88	NA	NA	NA	NA	NA

## 89	7008.000	1	1	1	0
## 90	31889.000	2	2	0	1
## 91	31259.000	2	2	0	1
## 92	NA	NA	NA	NA	NA
## 93	NA	NA	NA	NA	NA
## 94	18140.162	1	1	1	0
## 95	NA	NA	NA	NA	NA
## 96	16509.000	1	1	1	0
## 97	NA	NA	NA	NA	NA
## 98	62713.000	3	2	0	1
## 99	138720.000	3	3	0	0
## 100	37339.000	2	2	0	1
## 101	NA	NA	NA	NA	NA
## 102	NA	NA	NA	NA	NA
## 103	NA	NA	NA	NA	NA
## 105	28774.504	1	1	1	0
## 107	36798.000	2	2	0	1
## 108	86395.000	3	3	0	0
## 109	89513.117	3	3	0	0
## 110	NA	NA	NA	NA	NA
## 112	NA	NA	NA	NA	NA
## 113	21848.611	1	1	1	0
## 116	NA	NA	NA	NA	NA
## 118	59097.000	2	2	0	1
## 119	112937.000	3	3	0	0
## 120	193454.000	3	3	0	0
## 121	58617.000	2	2	0	1
## 122	NA	NA	NA	NA	NA
## 123	15429.963	1	1	1	0
## 124	14736.000	1	1	1	0
## 125	43561.906	2	2	0	1
## 126	NA	NA	NA	NA	NA
## 127	47097.148	2	2	0	1
## 128	90206.711	3	3	0	0
## 129	47463.000	2	2	0	1
## 131	7656.602	1	1	1	0
## 132	55863.348	2	2	0	1
## 134	22648.000	1	1	1	0
## 136	12762.292	1	1	1	0
## 137	117434.730	3	3	0	0
## 139	195692.000	3	3	0	0
## 140	24019.090	1	1	1	0
## 141	48313.000	2	2	0	1
## 142	34959.000	2	2	0	1
## 144	34234.000	2	2	0	1
## 146	46749.000	2	2	0	1
## 147	NA	NA	NA	NA	NA
## 148	45955.078	2	2	0	1
## 149	NA	NA	NA	NA	NA
## 150	61933.266	2	2	0	1
## 151	120814.000	3	3	0	0
## 154	61102.035	2	2	0	1
## 155	70527.805	3	3	0	0
## 156	NA	NA	NA	NA	NA

## 157	35383.000	2	2	0	1
## 158	67477.383	3	3	0	0
## 159	55147.328	2	2	0	1
## 160	NA	NA	NA	NA	NA
## 161	71228.000	3	3	0	0
## 162	NA	NA	NA	NA	NA
## 163	37243.004	2	2	0	1
## 164	NA	NA	NA	NA	NA
## 166	NA	NA	NA	NA	NA
## 167	48514.000	2	2	0	1
## 168	32413.000	2	2	0	1
## 169	75019.000	3	3	0	0
## 170	100229.000	3	3	0	0
## 171	40477.457	2	2	0	1
## 172	13191.000	1	1	1	0
## 174	72083.000	3	3	0	0
## 175	NA	NA	NA	NA	NA
## 176	NA	NA	NA	NA	NA
## 177	44446.488	2	2	0	1
## 179	NA	NA	NA	NA	NA
## 180	74983.203	3	3	0	0
## 181	75946.000	3	3	0	0
## 183	155157.000	3	3	0	0
## 184	232286.000	3	3	0	0
## 185	87081.281	3	3	0	0
## 186	NA	NA	NA	NA	NA
## 188	78827.742	3	3	0	0
## 190	74066.000	3	3	0	0
## 193	67623.000	3	3	0	0
## 194	26321.020	1	1	1	0
## 195	48817.602	2	2	0	1
## 196	49604.758	2	2	0	1
## 198	12545.000	1	1	1	0
## 199	21613.547	1	1	1	0
## 200	NA	NA	NA	NA	NA
## 202	NA	NA	NA	NA	NA
## 203	43783.824	2	2	0	1
## 204	13552.000	1	1	1	0
## 205	20892.115	1	1	1	0
## 206	108571.880	3	3	0	0
## 209	20524.828	1	1	1	0
## 210	121889.360	3	3	0	0
## 211	27134.465	1	1	1	0
## 212	49956.000	2	2	0	1
## 214	33318.000	2	2	0	1
## 215	18711.000	1	1	1	0
## 216	36459.715	2	2	0	1
## 217	5358.000	1	1	1	0
## 218	NA	NA	NA	NA	NA
## 220	90076.000	3	3	0	0
## 222	39057.793	2	2	0	1
## 223	2956.000	1	1	1	0
## 224	NA	NA	NA	NA	NA
## 225	48875.598	2	2	0	1

## 226	40847.066	2	2	0	1
## 227	52126.000	2	2	0	1
## 228	64719.000	3	3	0	0
## 229	NA	NA	NA	NA	NA
## 230	43397.000	2	2	0	1
## 231	60140.898	2	2	0	1
## 232	65838.000	3	3	0	0
## 233	29839.000	1	1	1	0
## 234	31923.000	2	2	0	1
## 236	16731.000	1	1	1	0
## 238	17525.000	1	1	1	0
## 239	NA	NA	NA	NA	NA
##	i_st2post3cat3.1	logst21.1	st2diff.1	tst2diff.1	st2diff3cat.1
## 1	NA	NA	NA	NA	NA
## 2	0	10.886259	48386.000	2	2
## 3	1	11.633194	110209.000	3	3
## 4	NA	NA	NA	NA	NA
## 5	1	11.121471	64805.840	3	3
## 6	0	9.405075	5377.097	1	1
## 7	0	10.901266	50852.000	2	2
## 8	0	7.705944	NA	NA	NA
## 10	NA	NA	NA	NA	NA
## 11	NA	NA	NA	NA	NA
## 12	1	11.307077	76429.930	3	3
## 13	0	10.066371	NA	NA	NA
## 14	NA	NA	NA	NA	NA
## 16	0	10.703874	42158.000	2	2
## 17	0	9.369223	NA	NA	NA
## 18	0	10.249273	26320.000	1	1
## 19	NA	NA	NA	NA	NA
## 20	1	11.180645	69100.406	3	3
## 21	1	11.389311	83989.000	3	3
## 23	0	10.674914	38353.000	2	2
## 25	0	10.527821	23430.000	1	1
## 26	NA	NA	NA	NA	NA
## 27	NA	NA	NA	NA	NA
## 28	0	10.053587	18377.000	1	1
## 29	NA	NA	NA	NA	NA
## 30	0	10.532789	34232.000	2	2
## 33	0	10.219500	20745.201	1	1
## 34	0	10.654970	31139.836	2	2
## 35	NA	NA	NA	NA	NA
## 36	NA	NA	NA	NA	NA
## 37	0	10.903955	51168.246	2	2
## 38	0	10.411577	29276.336	2	2
## 39	NA	NA	NA	NA	NA
## 40	0	10.604116	36301.973	2	2
## 41	0	10.129856	21746.545	1	1
## 43	NA	NA	NA	NA	NA
## 44	0	10.251454	24076.309	1	1
## 45	NA	NA	NA	NA	NA
## 46	0	11.047853	56941.000	2	2
## 47	0	10.554396	33525.273	2	2
## 48	0	8.891236	2259.000	1	1

## 49	NA	NA	NA	NA	NA
## 50	NA	NA	NA	NA	NA
## 51	0	10.244521	22969.000	1	1
## 52	1	11.346530	74220.016	3	3
## 54	1	11.063701	58232.551	3	2
## 55	0	9.291182	6563.000	1	1
## 56	1	12.920034	404152.000	3	3
## 57	NA	NA	NA	NA	NA
## 58	0	9.816185	15025.000	1	1
## 59	0	10.885678	50550.000	2	2
## 60	0	9.947456	NA	NA	NA
## 62	0	9.522373	10821.000	1	1
## 65	0	10.410833	NA	NA	NA
## 67	0	10.825159	46689.652	2	2
## 68	0	8.771681	4657.000	1	1
## 69	0	9.690814	12729.816	1	1
## 70	NA	NA	NA	NA	NA
## 71	0	9.917986	15681.264	1	1
## 72	NA	NA	NA	NA	NA
## 73	0	10.116419	22056.000	1	1
## 74	NA	NA	NA	NA	NA
## 75	NA	NA	NA	NA	NA
## 76	NA	NA	NA	NA	NA
## 77	1	12.019894	159705.000	3	3
## 79	0	10.446799	29116.000	2	2
## 80	0	9.377197	5713.455	1	1
## 81	1	11.213239	70203.000	3	3
## 83	0	10.182549	23260.543	1	1
## 87	NA	NA	NA	NA	NA
## 88	NA	NA	NA	NA	NA
## 89	0	8.854808	2033.000	1	1
## 90	0	10.370016	25560.000	1	1
## 91	0	10.350062	29752.000	2	2
## 92	NA	NA	NA	NA	NA
## 93	NA	NA	NA	NA	NA
## 94	0	9.805883	15097.471	1	1
## 95	NA	NA	NA	NA	NA
## 96	0	9.711661	14125.000	1	1
## 97	NA	NA	NA	NA	NA
## 98	0	11.046324	56416.000	2	2
## 99	1	11.840213	133266.000	3	3
## 100	0	10.527794	32894.000	2	2
## 101	NA	NA	NA	NA	NA
## 102	NA	NA	NA	NA	NA
## 103	NA	NA	NA	NA	NA
## 105	0	10.267245	24803.928	1	1
## 107	0	10.513199	NA	NA	NA
## 108	1	11.366685	84550.000	3	3
## 109	1	11.402141	81911.414	3	3
## 110	NA	NA	NA	NA	NA
## 112	NA	NA	NA	NA	NA
## 113	0	9.991893	18333.473	1	1
## 116	NA	NA	NA	NA	NA
## 118	0	10.986936	55803.000	2	2

## 119	1	11.634585	110154.000	3	3
## 120	1	12.172795	189071.000	3	3
## 121	0	10.978780	55165.000	2	2
## 122	NA	NA	NA	NA	NA
## 123	0	9.644067	12538.053	1	1
## 124	0	9.598049	NA	NA	NA
## 125	0	10.681938	40945.270	2	2
## 126	NA	NA	NA	NA	NA
## 127	0	10.759968	43511.645	2	2
## 128	1	11.409859	83982.922	3	3
## 129	0	10.767706	42979.000	2	2
## 131	0	8.943323	5558.034	1	1
## 132	0	10.930664	51213.094	2	2
## 134	0	10.027827	NA	NA	NA
## 136	0	9.454250	10734.089	1	1
## 137	1	11.673638	106882.360	3	3
## 139	1	12.184298	186661.000	3	3
## 140	0	10.086604	20537.199	1	1
## 141	0	10.785456	16372.000	1	1
## 142	0	10.461931	24577.000	1	1
## 144	0	10.440974	31473.000	2	2
## 146	0	10.752548	NA	NA	NA
## 147	NA	NA	NA	NA	NA
## 148	0	10.735419	37027.273	2	2
## 149	NA	NA	NA	NA	NA
## 150	0	11.033813	54984.176	2	2
## 151	1	11.702007	117369.000	3	3
## 154	0	11.020301	56979.129	2	2
## 155	1	11.163762	67754.977	3	3
## 156	NA	NA	NA	NA	NA
## 157	0	10.473987	25766.000	1	1
## 158	1	11.119548	62987.191	3	3
## 159	0	10.917764	50453.773	2	2
## 160	NA	NA	NA	NA	NA
## 161	1	11.173641	67828.000	3	3
## 162	NA	NA	NA	NA	NA
## 163	0	10.525219	34283.820	2	2
## 164	NA	NA	NA	NA	NA
## 166	NA	NA	NA	NA	NA
## 167	0	10.789608	44060.000	2	2
## 168	0	10.386314	25622.000	1	1
## 169	1	11.225496	69132.000	3	3
## 170	1	11.515213	97681.000	3	3
## 171	0	10.608500	35818.699	2	2
## 172	0	9.487290	9392.000	1	1
## 174	1	11.185574	31212.000	2	2
## 175	NA	NA	NA	NA	NA
## 176	NA	NA	NA	NA	NA
## 177	0	10.702042	1892.113	1	1
## 179	NA	NA	NA	NA	NA
## 180	1	11.225019	70608.227	3	3
## 181	1	11.237778	72716.000	3	3
## 183	1	11.952193	134656.000	3	3
## 184	1	12.355724	222898.000	3	3

## 185	1	11.374598	80374.219	3	3
## 186	NA	NA	NA	NA	NA
## 188	1	11.275021	NA	NA	NA
## 190	1	11.212712	69269.000	3	3
## 193	1	11.121703	64662.000	3	3
## 194	0	10.178123	22712.318	1	1
## 195	0	10.795846	47225.504	2	2
## 196	0	10.811842	18045.053	1	1
## 198	0	9.437077	5938.000	1	1
## 199	0	9.981075	NA	NA	NA
## 200	NA	NA	NA	NA	NA
## 202	NA	NA	NA	NA	NA
## 203	0	10.687019	38903.918	2	2
## 204	0	9.514290	11114.000	1	1
## 205	0	9.947127	19042.529	1	1
## 206	1	11.595168	104723.480	3	3
## 209	0	9.929391	18147.121	1	1
## 210	1	11.710869	112395.550	3	3
## 211	0	10.208560	21372.297	1	1
## 212	0	10.818898	NA	NA	NA
## 214	0	10.413853	31344.000	2	2
## 215	0	9.836867	14528.000	1	1
## 216	0	10.503963	33057.469	2	2
## 217	0	8.586346	3228.000	1	1
## 218	NA	NA	NA	NA	NA
## 220	1	11.408409	85490.000	3	3
## 222	0	10.572798	35432.852	2	2
## 223	0	7.991592	-146.000	1	1
## 224	NA	NA	NA	NA	NA
## 225	0	10.797033	44680.008	2	2
## 226	0	10.617590	35956.336	2	2
## 227	0	10.861419	48019.000	2	2
## 228	1	11.077810	57446.000	2	2
## 229	NA	NA	NA	NA	NA
## 230	0	10.678145	39924.000	2	2
## 231	0	11.004445	56140.164	2	2
## 232	1	11.094953	55777.000	2	2
## 233	0	10.303572	25860.000	1	1
## 234	0	10.371082	28906.000	2	2
## 236	0	9.725018	12568.000	1	1
## 238	0	9.771383	9275.000	1	1
## 239	NA	NA	NA	NA	NA
##	i_st2diff3cat1.1	i_st2diff3cat2.1	i_st2diff3cat3.1	logst2diff.1	train
## 1	NA	NA	NA	NA	1
## 2	0	1	0	10.786965	1
## 3	0	0	1	11.610134	1
## 4	NA	NA	NA	NA	1
## 5	0	0	1	11.079151	1
## 6	1	0	0	8.589904	1
## 7	0	1	0	10.836675	1
## 8	NA	NA	NA	NA	1
## 10	NA	NA	NA	NA	0
## 11	NA	NA	NA	NA	1
## 12	0	0	1	11.244129	1

## 13	NA	NA	NA	NA	1
## 14	NA	NA	NA	NA	1
## 16	0	1	0	10.649179	1
## 17	NA	NA	NA	NA	1
## 18	1	0	0	10.178084	1
## 19	NA	NA	NA	NA	1
## 20	0	0	1	11.143316	0
## 21	0	0	1	11.338441	1
## 23	0	1	0	10.554588	0
## 25	1	0	0	10.061772	1
## 26	NA	NA	NA	NA	0
## 27	NA	NA	NA	NA	1
## 28	1	0	0	9.818855	1
## 29	NA	NA	NA	NA	1
## 30	0	1	0	10.440916	1
## 33	1	0	0	9.940070	1
## 34	0	1	0	10.346243	1
## 35	NA	NA	NA	NA	1
## 36	NA	NA	NA	NA	1
## 37	0	1	0	10.842875	0
## 38	0	1	0	10.284534	1
## 39	NA	NA	NA	NA	1
## 40	0	1	0	10.499627	1
## 41	1	0	0	9.987210	1
## 43	NA	NA	NA	NA	1
## 44	1	0	0	10.088984	1
## 45	NA	NA	NA	NA	1
## 46	0	1	0	10.949771	1
## 47	0	1	0	10.420054	1
## 48	1	0	0	7.722678	1
## 49	NA	NA	NA	NA	1
## 50	NA	NA	NA	NA	0
## 51	1	0	0	10.041901	1
## 52	0	0	1	11.214789	0
## 54	0	1	0	10.972199	1
## 55	1	0	0	8.789203	1
## 56	0	0	1	12.909546	1
## 57	NA	NA	NA	NA	1
## 58	1	0	0	9.617471	1
## 59	0	1	0	10.830718	1
## 60	NA	NA	NA	NA	1
## 62	1	0	0	9.289244	1
## 65	NA	NA	NA	NA	1
## 67	0	1	0	10.751278	1
## 68	1	0	0	8.446127	1
## 69	1	0	0	9.451702	1
## 70	NA	NA	NA	NA	1
## 71	1	0	0	9.660222	1
## 72	NA	NA	NA	NA	1
## 73	1	0	0	10.001340	1
## 74	NA	NA	NA	NA	1
## 75	NA	NA	NA	NA	0
## 76	NA	NA	NA	NA	0
## 77	0	0	1	11.981084	1

## 79	0	1	0	10.279043	0
## 80	1	0	0	8.650579	1
## 81	0	0	1	11.159146	1
## 83	1	0	0	10.054514	1
## 87	NA	NA	NA	NA	0
## 88	NA	NA	NA	NA	1
## 89	1	0	0	7.617268	1
## 90	1	0	0	10.148784	1
## 91	0	1	0	10.300652	1
## 92	NA	NA	NA	NA	1
## 93	NA	NA	NA	NA	1
## 94	1	0	0	9.622283	1
## 95	NA	NA	NA	NA	1
## 96	1	0	0	9.555701	1
## 97	NA	NA	NA	NA	1
## 98	0	1	0	10.940508	1
## 99	0	0	1	11.800102	0
## 100	0	1	0	10.401046	1
## 101	NA	NA	NA	NA	0
## 102	NA	NA	NA	NA	1
## 103	NA	NA	NA	NA	1
## 105	1	0	0	10.118757	1
## 107	NA	NA	NA	NA	1
## 108	0	0	1	11.345098	1
## 109	0	0	1	11.313394	1
## 110	NA	NA	NA	NA	0
## 112	NA	NA	NA	NA	0
## 113	1	0	0	9.816484	1
## 116	NA	NA	NA	NA	0
## 118	0	1	0	10.929583	0
## 119	0	0	1	11.609634	0
## 120	0	0	1	12.149878	1
## 121	0	1	0	10.918084	0
## 122	NA	NA	NA	NA	1
## 123	1	0	0	9.436523	1
## 124	NA	NA	NA	NA	1
## 125	0	1	0	10.619991	1
## 126	NA	NA	NA	NA	1
## 127	0	1	0	10.680784	1
## 128	0	0	1	11.338368	1
## 129	0	1	0	10.668467	1
## 131	1	0	0	8.623000	1
## 132	0	1	0	10.843751	1
## 134	NA	NA	NA	NA	1
## 136	1	0	0	9.281179	1
## 137	0	0	1	11.579484	1
## 139	0	0	1	12.137050	1
## 140	1	0	0	9.929993	0
## 141	1	0	0	9.703328	1
## 142	1	0	0	10.109567	1
## 144	0	1	0	10.356885	1
## 146	NA	NA	NA	NA	0
## 147	NA	NA	NA	NA	1
## 148	0	1	0	10.519410	0

## 149	NA	NA	NA	NA	0
## 150	0	1	0	10.914801	0
## 151	0	0	1	11.673079	1
## 154	0	1	0	10.950440	1
## 155	0	0	1	11.123653	1
## 156	NA	NA	NA	NA	0
## 157	1	0	0	10.156811	1
## 158	0	0	1	11.050687	0
## 159	0	1	0	10.828813	1
## 160	NA	NA	NA	NA	1
## 161	0	0	1	11.124730	1
## 162	NA	NA	NA	NA	0
## 163	0	1	0	10.442429	1
## 164	NA	NA	NA	NA	1
## 166	NA	NA	NA	NA	1
## 167	0	1	0	10.693308	1
## 168	1	0	0	10.151207	1
## 169	0	0	1	11.143773	0
## 170	0	0	1	11.489462	1
## 171	0	1	0	10.486225	1
## 172	1	0	0	9.147614	1
## 174	0	1	0	10.348557	1
## 175	NA	NA	NA	NA	1
## 176	NA	NA	NA	NA	1
## 177	1	0	0	7.545450	0
## 179	NA	NA	NA	NA	0
## 180	0	0	1	11.164902	0
## 181	0	0	1	11.194317	0
## 183	0	0	1	11.810478	1
## 184	0	0	1	12.314469	1
## 185	0	0	1	11.294449	1
## 186	NA	NA	NA	NA	1
## 188	NA	NA	NA	NA	1
## 190	0	0	1	11.145753	0
## 193	0	0	1	11.076929	1
## 194	1	0	0	10.030663	1
## 195	0	1	0	10.762690	1
## 196	1	0	0	9.800627	0
## 198	1	0	0	8.689128	1
## 199	NA	NA	NA	NA	0
## 200	NA	NA	NA	NA	1
## 202	NA	NA	NA	NA	1
## 203	0	1	0	10.568851	1
## 204	1	0	0	9.315961	0
## 205	1	0	0	9.854430	1
## 206	0	0	1	11.559078	1
## 209	1	0	0	9.806267	1
## 210	0	0	1	11.629780	1
## 211	1	0	0	9.969850	0
## 212	NA	NA	NA	NA	1
## 214	0	1	0	10.352778	1
## 215	1	0	0	9.583833	1
## 216	0	1	0	10.406003	1
## 217	1	0	0	8.079619	1

```

## 218          NA          NA          NA          NA          1
## 220           0           0           1      11.356154          0
## 222           0           1           0      10.475394          1
## 223           1           0           0      -6.907755          1
## 224          NA          NA          NA          NA          1
## 225           0           1           0      10.707281          1
## 226           0           1           0      10.490061          1
## 227           0           1           0      10.779352          1
## 228           0           1           0      10.958601          1
## 229          NA          NA          NA          NA          1
## 230           0           1           0      10.594733          1
## 231           0           1           0      10.935607          1
## 232           0           1           0      10.929117          1
## 233           1           0           0      10.160453          0
## 234           0           1           0      10.271805          1
## 236           1           0           0       9.438909          1
## 238           1           0           0       9.135077          1
## 239          NA          NA          NA          NA          1
## [ reached 'max' / getOption("max.print") -- omitted 1131 rows ]
##
## $test
##      readmit30d_yn_state dead oblead ocva oleginf otia orf opneu oafib2 return
## 9                0      N      0      1          0      0      0      0      1      0
## 15               0      N      0      0          0      0      0      0      1      0
## 22               1      Y      0      0          0      0      0      0      0      0
## 24               0      N      0      0          0      0      0      0      0      0
## 31               0      N      0      0          0      0      0      0      0      0
## 32               0      N      0      0          0      0      0      0      0      0
## 42               0      N      0      0          0      0      0      0      0      0
## 53               0      N      0      0          0      0      0      0      1      0
## 61               0      N      0      0          0      0      0      1      1      0
## 63               1      N      0      0          0      0      0      0      1      0
## 64               0      N      0      0          0      0      0      0      0      0
## 66               0      N      0      0          0      0      0      0      1      0
## 78               0      N      0      0          0      0      0      0      0      0
## 82               1      N      0      0          0      0      0      0      0      0
## 84               1      N      0      0          0      0      0      0      0      0
## 85               0      N      0      0          0      0      0      0      0      0
## 86               0      N      0      0          0      0      0      0      1      0
## 104              1      N      0      0          0      0      0      0      0      0
## 106              0      N      0      1          0      0      0      0      0      0
## 111              0      N      0      0          0      0      0      0      0      0
## 114              0      N      0      0          0      0      0      0      0      0
## 115              0      N      0      0          0      0      0      0      1      0
## 117              0      N      0      0          0      0      0      0      0      0
## 130              0      N      1      0          0      0      0      0      0      0
## 133              0      N      0      0          0      0      0      0      1      0
## 135              0      N      0      0          0      0      0      0      1      0
## 138              0      N      0      0          0      0      0      0      1      0
## 143              0      N      0      0          0      0      0      0      0      0
## 145              0      N      0      0          0      0      0      0      0      0
## 152              0      N      0      0          0      0      0      0      0      0
## 153              0      N      0      0          0      0      0      0      0      1
## 165              0      N      0      0          0      0      0      0      0      0

```

## 173	0	N	0	0	0	0	0	0	0	0
## 178	1	N	0	0	0	0	0	0	0	0
## 182	0	Y	0	0	0	0	0	0	0	0
## 187	0	N	0	0	0	0	0	0	1	0
## 189	0	N	0	0	0	0	0	0	0	0
## 191	0	N	0	0	0	0	0	0	0	0
## 192	0	N	1	0	0	0	0	0	0	0
## 197	0	N	0	0	0	0	0	0	0	0
## 201	0	N	0	0	0	0	0	0	0	0
## 207	1	N	0	0	0	0	0	0	0	0
## 208	0	N	0	0	0	0	0	0	0	0
## 213	0	N	0	0	0	0	0	0	0	0
## 219	0	N	0	0	0	0	0	0	0	0
## 221	1	N	0	0	0	0	0	0	0	0
## 235	0	N	0	0	1	0	0	0	0	0
## 237	0	N	0	0	0	0	0	0	0	0
## 240	0	N	0	0	0	0	0	0	0	0
## 244	0	N	0	0	0	0	0	0	0	0
## 245	0	N	1	0	0	0	0	0	1	0
## 247	0	N	0	0	0	0	0	0	0	0
## 253	0	N	0	0	0	0	0	0	0	0
## 260	0	N	0	0	0	0	0	0	1	0
## 263	0	N	0	0	0	0	0	0	0	0
## 271	0	N	0	0	0	0	0	0	0	0
## 274	0	Y	0	0	0	0	0	0	0	0
## 284	0	N	0	0	0	0	0	0	1	0
## 288	0	N	0	0	0	0	0	0	1	0
## 289	0	N	0	0	1	0	0	0	0	1
## 294	0	N	0	0	0	0	0	0	0	0
## 296	0	N	0	0	0	0	0	0	0	0
## 297	0	N	0	0	0	0	0	0	0	0
## 298	0	N	0	0	0	0	0	0	0	0
## 300	0	N	0	0	0	0	0	0	0	0
## 301	0	Y	0	0	0	0	0	0	0	0
## 304	0	N	0	0	0	0	0	0	0	0
## 307	1	N	0	0	0	0	0	0	1	0
## 316	0	N	0	0	0	0	0	0	0	0
## 317	0	N	1	0	0	0	0	0	1	0
## 320	0	Y	0	0	0	0	0	0	0	0
## 321	0	Y	0	0	0	0	1	0	0	0
## 326	0	N	0	0	0	0	0	0	1	0
## 330	1	N	0	0	0	0	0	0	1	0
## 333	0	N	0	0	0	0	0	0	0	0
## 334	0	N	0	0	0	0	0	0	0	0
## 337	0	N	0	0	0	0	0	0	0	0
## 338	0	N	0	0	0	0	0	0	0	0
## 348	0	N	0	0	0	0	0	0	0	0
## 353	0	N	0	0	0	0	0	0	0	0
## 354	0	N	0	0	0	0	0	0	0	0
## 355	0	N	0	0	0	0	0	0	1	0
## 356	0	Y	0	0	0	0	0	0	0	0
## 359	0	N	0	0	0	0	0	0	0	0
## 364	0	N	0	0	0	0	0	0	0	0
## 369	0	N	0	0	0	0	0	0	1	0

## 378	0	Y	0	0	0	0	0	0	0	0
## 381	0	N	0	0	0	0	0	0	0	0
## 386	0	N	0	0	0	0	0	0	0	0
## 388	0	N	0	0	0	0	0	0	0	0
## 392	0	N	0	0	0	0	0	0	0	0
## 394	0	N	0	0	0	0	0	0	1	0
## 396	0	N	0	0	0	0	0	0	0	0
## 404	1	N	0	0	0	0	0	0	0	0
## 406	0	N	0	0	0	0	0	0	0	0
## 408	0	Y	0	0	0	0	0	0	0	0
## 411	0	N	0	0	0	0	0	0	0	0
## 422	0	N	0	1	0	0	0	0	0	0
## 423	0	N	0	0	0	0	0	0	0	0
## 426	0	N	0	0	0	0	0	0	0	0
## 452	0	Y	0	0	0	0	0	0	0	0
## 454	0	N	0	0	0	0	0	0	0	0
## 456	0	N	0	0	0	0	0	0	0	0
## 458	0	N	0	0	0	0	0	0	1	0
## 468	0	N	0	0	0	0	0	0	0	0
## 469	1	N	0	0	0	0	0	0	0	0
## 472	0	N	0	0	0	0	0	0	0	0
## 479	0	N	0	0	0	0	0	0	0	0
## 485	0	N	0	0	0	0	0	0	0	0
## 488	0	N	0	0	0	0	0	0	1	0
## 490	0	N	0	0	0	0	0	0	1	0
## 495	0	N	0	0	0	0	0	0	0	0
## 498	0	N	0	0	0	0	0	0	0	0
## 501	0	N	0	0	0	0	0	0	0	0
## 502	0	N	0	0	0	0	0	0	1	0
## 506	0	N	0	0	0	0	0	0	0	0
## 515	0	N	0	0	0	0	0	0	0	0
## 517	0	N	0	0	0	0	0	0	0	0
## 525	0	N	0	0	0	0	0	0	0	0
## 526	0	N	0	0	0	0	0	0	1	0
## 533	0	N	0	0	0	0	0	0	0	0
## 556	0	N	0	0	0	0	0	0	0	0
## 561	0	N	0	0	0	0	0	0	0	0
## 571	0	N	0	0	0	0	0	0	0	0
## 572	0	N	0	0	0	0	0	0	0	0
## 582	0	N	0	0	0	0	0	0	0	0
## 592	0	N	0	0	0	0	0	0	0	0
## 598	0	N	0	0	0	0	0	0	0	0
## 600	0	N	0	0	0	0	0	0	0	0
## 607	0	N	0	0	0	0	0	0	1	0
## 612	0	Y	0	0	0	0	0	0	1	0
## 622	0	N	0	0	0	0	0	0	1	0
## 627	0	N	0	0	0	0	0	0	0	0
## 630	1	N	0	0	0	0	0	0	0	0
## 635	1	Y	0	0	0	0	0	0	1	0
## 640	0	N	0	0	0	0	0	0	1	0
## 642	0	N	0	0	0	0	0	0	0	0
## 644	0	N	0	0	0	0	0	0	0	0
## 645	0	N	0	0	0	0	0	0	0	0
## 649	0	N	0	0	0	0	0	0	0	0

## 657	0	N	0	0	0	0	0	0	0	0
## 662	0	N	0	0	0	0	0	0	1	0
## 664	0	N	0	0	0	0	0	0	0	0
## 667	0	Y	1	0	0	0	0	0	0	0
## 669	0	N	0	0	0	0	0	0	0	0
## 670	0	N	0	0	0	0	0	0	1	0
## 679	0	N	0	0	0	0	0	0	1	0
## 683	0	N	0	0	0	0	0	0	0	0
## 687	0	N	0	0	0	0	0	0	0	0
## 688	0	Y	0	0	0	0	0	1	0	0
## 691	0	Y	0	0	0	0	0	0	1	0
## 694	0	N	0	0	0	0	0	0	1	0
## 696	1	N	0	0	0	0	0	0	1	0
## 710	0	N	0	0	0	0	0	0	0	0
## 712	0	N	0	0	0	0	0	0	0	0
## 714	0	N	0	0	0	0	0	0	0	0
## 717	0	N	0	0	0	0	0	0	0	0
## 719	0	N	0	0	0	0	0	0	0	0
## 722	0	N	0	0	0	0	0	0	0	0
## 725	1	N	0	0	0	0	0	0	1	0
## 729	0	N	0	0	0	0	0	0	0	0
## 733	0	Y	0	0	0	0	0	0	0	0
## 740	0	N	0	0	0	0	0	0	0	0
## 743	1	Y	0	0	0	0	0	0	0	0
## 746	0	N	0	0	0	0	0	0	0	0
## 747	0	N	0	0	0	0	0	0	0	0
## 749	0	N	0	0	0	0	0	0	0	0
## 759	0	N	0	0	0	0	0	0	0	0
## 763	0	Y	0	0	0	0	1	1	0	0
## 766	0	N	0	0	0	0	0	1	0	0
## 776	0	N	0	0	0	0	0	0	0	1
## 793	0	N	0	0	0	0	0	0	0	0
## 795	0	N	0	0	0	0	0	0	0	0
## 799	0	N	0	0	0	0	0	0	0	0
## 802	0	Y	0	0	0	0	0	0	0	0
## 810	0	N	0	0	0	0	0	0	0	0
## 818	0	N	0	0	0	0	0	0	0	0
## 822	0	N	0	0	0	0	0	0	1	0
## 823	0	N	0	0	0	0	0	0	0	0
## 828	0	N	0	0	0	0	0	0	0	0
## 835	1	N	0	0	0	0	0	0	1	0
## 836	0	N	0	0	0	0	0	0	0	0
## 841	0	Y	0	0	0	0	0	0	1	0
## 855	0	N	0	0	0	0	0	0	0	0
## 856	0	N	0	0	0	0	0	0	0	0
## 860	0	N	0	0	0	0	0	0	1	0
## 861	1	Y	0	0	0	0	0	0	0	0
## 864	0	N	0	0	0	0	0	0	0	0
## 886	0	N	0	0	0	0	0	0	0	0
## 892	0	N	0	0	0	0	0	0	0	0
## 898	0	N	0	0	0	0	0	0	0	0
##	akin	lm2cat	rfcr_2	iabppre_2	atfibyn_2	hyperyn_2	ef50_neg	ef50_neg_d		
## 9	0	0	0	0	0	1	0		1	
## 15	0	0	0	0	0	0	0		1	

## 22	1	0	0	0	0	1	15	3
## 24	0	0	0	0	0	0	0	1
## 31	0	0	0	0	0	0	0	1
## 32	1	1	0	0	1	1	27	4
## 42	1	1	0	0	0	1	0	1
## 53	0	0	0	0	0	0	0	1
## 61	1	0	0	0	0	1	0	1
## 63	0	1	<NA>	0	0	1	20	3
## 64	0	0	0	0	1	1	0	1
## 66	1	0	0	0	0	0	0	1
## 78	0	1	0	0	0	1	0	1
## 82	0	1	0	0	0	1	<NA>	<NA>
## 84	0	0	0	0	0	1	0	1
## 85	0	0	0	0	0	1	0	1
## 86	0	0	0	0	0	1	0	1
## 104	1	0	1	0	0	1	0	1
## 106	0	0	0	0	0	1	0	1
## 111	0	0	0	0	0	1	0	1
## 114	1	1	0	0	0	1	5	2
## 115	0	1	0	0	0	1	0	1
## 117	1	0	0	0	0	0	0	1
## 130	1	0	0	0	0	1	0	1
## 133	0	0	0	0	0	1	0	1
## 135	0	0	0	0	0	1	0	1
## 138	0	1	0	0	0	1	<NA>	<NA>
## 143	0	0	0	0	0	1	<NA>	<NA>
## 145	1	1	0	0	0	1	0	1
## 152	0	0	0	0	0	1	0	1
## 153	0	0	0	1	0	1	0	1
## 165	0	1	0	0	0	1	0	1
## 173	0	1	0	0	0	0	0	1
## 178	0	0	0	0	0	0	0	1
## 182	1	0	0	0	0	1	20	3
## 187	0	0	0	0	0	1	5	2
## 189	0	0	0	0	0	1	0	1
## 191	0	0	0	0	0	1	0	1
## 192	0	0	0	0	0	1	0	1
## 197	0	1	0	0	0	1	0	1
## 201	1	0	0	0	1	0	10	2
## 207	0	1	0	0	0	1	13	3
## 208	0	1	0	0	0	1	0	1
## 213	0	0	0	0	0	1	0	1
## 219	1	1	0	0	0	1	0	1
## 221	1	0	0	1	0	1	0	1
## 235	0	0	0	0	0	1	0	1
## 237	1	1	0	0	0	0	10	2
## 240	0	0	0	0	0	1	0	1
## 244	0	0	0	0	0	1	0	1
## 245	0	0	0	0	0	1	0	1
## 247	0	1	0	0	0	0	0	1
## 253	1	0	0	0	0	1	0	1
## 260	0	1	0	0	0	1	0	1
## 263	0	0	0	0	0	0	21	4
## 271	0	1	0	0	0	1	0	1

## 274	0	0	0	0	0	1	0	1
## 284	0	0	0	0	0	1	0	1
## 288	0	0	0	0	0	1	30	4
## 289	1	1	0	0	0	1	0	1
## 294	0	0	0	1	0	0	0	1
## 296	0	0	0	0	0	1	0	1
## 297	1	0	0	0	0	1	0	1
## 298	0	0	0	0	0	1	0	1
## 300	0	0	0	0	0	1	0	1
## 301	1	0	0	0	0	0	15	3
## 304	1	0	0	0	0	0	0	1
## 307	0	1	0	0	0	1	0	1
## 316	1	0	0	0	0	1	5	2
## 317	0	1	0	0	0	0	15	3
## 320	1	0	0	0	1	1	0	1
## 321	3	1	1	0	0	1	0	1
## 326	0	0	0	0	0	1	0	1
## 330	1	0	0	0	0	<NA>	1	2
## 333	0	1	0	0	0	1	0	1
## 334	0	1	0	0	0	0	0	1
## 337	0	0	0	0	0	1	30	4
## 338	0	1	0	0	0	1	<NA>	<NA>
## 348	0	1	0	0	0	1	0	1
## 353	1	1	0	0	0	1	0	1
## 354	1	0	0	0	0	1	8	2
## 355	1	1	0	0	0	0	20	3
## 356	0	1	0	0	1	1	<NA>	<NA>
## 359	1	0	0	0	0	1	0	1
## 364	0	1	0	0	0	1	0	1
## 369	0	1	0	0	0	0	0	1
## 378	1	1	0	0	0	1	0	1
## 381	0	0	0	0	0	1	0	1
## 386	0	0	0	0	0	0	0	1
## 388	0	0	0	0	0	1	0	1
## 392	0	0	0	0	0	1	15	3
## 394	0	0	0	0	0	1	0	1
## 396	0	1	0	0	0	1	0	1
## 404	1	0	0	0	0	1	0	1
## 406	0	0	0	0	0	1	5	2
## 408	0	1	0	0	0	1	0	1
## 411	1	0	0	1	0	0	0	1
## 422	1	1	0	0	0	1	0	1
## 423	0	1	0	0	0	1	5	2
## 426	1	0	0	0	0	1	0	1
## 452	0	1	0	0	0	1	20	3
## 454	0	0	0	0	0	1	0	1
## 456	0	1	0	0	0	1	0	1
## 458	0	1	0	0	0	0	0	1
## 468	0	1	0	0	0	0	0	1
## 469	1	0	0	0	0	1	0	1
## 472	0	1	0	0	0	1	0	1
## 479	0	1	0	0	0	1	0	1
## 485	0	0	0	0	0	1	0	1
## 488	1	0	0	0	0	1	10	2

## 490	0	1	0	0	0	1	0	1
## 495	0	0	0	0	0	0	0	1
## 498	0	0	0	0	0	1	0	1
## 501	0	1	0	0	0	1	0	1
## 502	1	0	0	0	0	1	0	1
## 506	0	1	0	0	0	1	2	2
## 515	0	0	0	0	0	1	0	1
## 517	0	0	0	0	0	0	1	2
## 525	0	0	0	0	0	1	0	1
## 526	0	0	1	0	1	1	20	3
## 533	0	0	0	0	0	1	17	3
## 556	0	0	0	0	0	1	0	1
## 561	0	0	0	0	0	1	3	2
## 571	0	1	0	0	0	1	0	1
## 572	1	1	0	0	0	0	0	1
## 582	0	0	0	0	0	1	15	3
## 592	0	0	0	0	0	1	5	2
## 598	1	0	0	0	0	1	0	1
## 600	0	1	0	0	0	1	0	1
## 607	1	0	0	0	0	1	0	1
## 612	0	1	0	0	0	1	0	1
## 622	0	0	0	0	0	1	5	2
## 627	1	0	0	0	0	1	15	3
## 630	0	0	0	0	0	1	5	2
## 635	3	0	0	0	0	1	0	1
## 640	0	0	0	0	0	1	0	1
## 642	1	0	0	0	1	1	0	1
## 644	0	0	0	0	0	1	0	1
## 645	0	0	0	1	0	1	20	3
## 649	0	0	0	0	0	1	0	1
## 657	0	0	0	0	0	1	0	1
## 662	0	0	0	0	0	1	0	1
## 664	0	0	0	0	0	1	<NA>	<NA>
## 667	0	0	0	0	0	1	0	1
## 669	0	0	0	1	0	0	30	4
## 670	0	0	0	0	0	0	10	2
## 679	0	0	0	0	0	1	<NA>	<NA>
## 683	0	1	0	0	0	1	<NA>	<NA>
## 687	0	0	<NA>	0	0	1	0	1
## 688	1	0	0	0	0	1	<NA>	<NA>
## 691	0	1	0	0	0	1	0	1
## 694	3	1	1	0	0	1	0	1
## 696	0	0	0	0	0	1	5	2
## 710	1	0	0	0	0	1	0	1
## 712	1	0	0	0	0	1	15	3
## 714	0	1	0	0	0	1	20	3
## 717	1	0	0	0	1	1	20	3
## 719	1	0	0	0	0	0	15	3
## 722	0	1	0	1	0	1	0	1
## 725	0	0	0	0	0	1	0	1
## 729	0	0	0	0	0	1	4	2
## 733	0	0	0	0	0	1	0	1
## 740	0	0	0	0	0	1	0	1
## 743	0	0	0	0	0	1	0	1

## 746	0	0	<NA>	0	0	0	0	1
## 747	0	0	0	0	0	1	3	2
## 749	0	0	0	0	0	1	0	1
## 759	0	1	0	0	0	1	0	1
## 763	3	1	0	1	0	1	30	4
## 766	1	0	0	0	0	1	20	3
## 776	1	0	0	0	0	0	0	1
## 793	0	0	0	0	0	0	0	1
## 795	1	0	0	0	0	1	0	1
## 799	0	0	0	0	0	1	0	1
## 802	0	1	<NA>	0	0	1	0	1
## 810	0	1	1	0	0	1	0	1
## 818	0	1	0	0	0	1	0	1
## 822	0	0	0	0	0	0	10	2
## 823	0	0	0	0	0	1	0	1
## 828	0	1	0	0	0	1	0	1
## 835	1	0	0	0	0	1	0	1
## 836	1	0	0	0	0	1	<NA>	<NA>
## 841	1	1	0	1	0	1	0	1
## 855	1	1	0	0	0	1	0	1
## 856	0	0	<NA>	0	0	1	0	1
## 860	0	0	0	0	0	1	0	1
## 861	2	0	0	0	0	1	27	4
## 864	0	0	0	0	0	1	0	1
## 886	0	0	0	0	0	1	0	1
## 892	0	1	0	0	0	1	0	1
## 898	0	1	0	0	0	0	3	2
##	priormi_21	priormi_22	priormi_23	priormi_24	age_d	ua_nmi7	creatpre_2	rf_1
## 9	1	1	1	0	6	0	1	0
## 15	0	0	0	0	8	1	1	0
## 22	1	1	1	1	4	1	0.69999999	0
## 24	0	0	0	0	5	1	0.80000001	0
## 31	1	1	0	0	7	0	1	0
## 32	0	0	0	0	7	1	0.80000001	0
## 42	0	0	0	0	6	1	1	0
## 53	0	0	0	0	7	1	1.2	0
## 61	1	1	1	1	8	1	1.1	0
## 63	1	1	1	0	7	0	<NA>	0
## 64	0	0	0	0	6	0	1	0
## 66	1	1	0	0	7	0	0.89999998	0
## 78	1	1	1	1	7	0	1	0
## 82	0	0	0	0	9	0	0.94999999	0
## 84	0	0	0	0	6	0	1.16	0
## 85	1	1	1	1	6	1	1.1	0
## 86	0	0	0	0	6	1	0.89999998	0
## 104	1	1	1	0	6	0	2	0
## 106	0	0	0	0	7	1	1.2	0
## 111	1	1	0	0	8	0	0.89999998	0
## 114	0	0	0	0	8	0	1.2	0
## 115	0	0	0	0	7	1	0.89999998	0
## 117	1	1	1	0	5	1	1.3	0
## 130	0	0	0	0	7	1	1.2	0
## 133	1	1	1	1	7	0	1.4	0
## 135	0	0	0	0	7	1	1.2	0

## 138	1	1	1	0	7	1	1.6	0
## 143	0	0	0	0	7	1	1.3	0
## 145	0	0	0	0	8	0	0.80000001	0
## 152	1	1	0	0	6	0	0.60000002	0
## 153	0	0	0	0	7	1	1.3	0
## 165	0	0	0	0	7	1	1	0
## 173	0	0	0	0	5	0	0.80000001	0
## 178	0	0	0	0	6	0	0.89999998	0
## 182	1	1	0	0	7	0	0.69999999	0
## 187	1	1	1	0	7	1	1	0
## 189	1	1	1	0	7	1	1.3	0
## 191	0	0	0	0	6	1	0.89999998	0
## 192	0	0	0	0	7	1	1	0
## 197	0	0	0	0	6	0	0.80000001	0
## 201	1	1	1	0	8	0	1.1	0
## 207	0	0	0	0	7	0	1	0
## 208	1	1	1	1	8	1	1.4	0
## 213	0	0	0	0	7	1	1	0
## 219	0	0	0	0	6	1	0.89999998	0
## 221	0	0	0	0	7	1	0.80000001	0
## 235	0	0	0	0	6	1	1	0
## 237	1	1	1	0	6	0	0.89999998	0
## 240	0	0	0	0	7	0	1.09	0
## 244	1	1	1	1	8	1	1.1	0
## 245	0	0	0	0	8	0	0.89999998	0
## 247	0	0	0	0	7	1	1.2	0
## 253	0	0	0	0	6	0	0.80000001	0
## 260	0	0	0	0	6	0	1.1	0
## 263	1	1	0	0	7	0	1	0
## 271	0	0	0	0	5	0	0.80000001	0
## 274	0	0	0	0	6	0	0.80000001	0
## 284	0	0	0	0	6	1	0.89999998	0
## 288	0	0	0	0	9	0	0.67000002	0
## 289	0	0	0	0	6	1	0.89999998	0
## 294	1	1	0	0	7	0	0.80000001	0
## 296	0	0	0	0	8	1	1.2	0
## 297	0	0	0	0	6	0	0.80000001	0
## 298	0	0	0	0	6	0	1.4	0
## 300	0	0	0	0	6	0	0.89999998	0
## 301	0	0	0	0	7	0	0.89999998	0
## 304	0	0	0	0	8	1	1.1	0
## 307	0	0	0	0	9	1	0.80000001	0
## 316	0	0	0	0	7	1	1.1	0
## 317	1	1	1	0	8	1	1	0
## 320	0	0	0	0	6	1	1.6	0
## 321	1	1	1	0	8	1	3.3	0
## 326	0	0	0	0	8	<NA>	1.1	0
## 330	0	0	0	0	8	1	1.1	0
## 333	0	0	0	0	8	0	1.2	0
## 334	0	0	0	0	9	1	0.69999999	0
## 337	1	1	1	1	8	0	0.89999998	0
## 338	0	0	0	0	7	1	0.89999998	0
## 348	0	0	0	0	6	0	1.3	0
## 353	0	0	0	0	7	1	1.4	0

## 354	1	1	1	1	7	1	1.6	0
## 355	1	0	0	0	5	0	1.2	0
## 356	0	0	0	0	9	1	1.9	0
## 359	0	0	0	0	7	1	1.2	0
## 364	0	0	0	0	7	0	1.3	0
## 369	0	0	0	0	8	1	0.80000001	0
## 378	0	0	0	0	7	0	1	0
## 381	0	0	0	0	5	0	1.3	0
## 386	0	0	0	0	7	0	1.3	0
## 388	1	1	1	1	6	0	1.2	0
## 392	0	0	0	0	7	0	1.5	0
## 394	1	1	0	0	7	0	1	0
## 396	0	0	0	0	7	1	0.89999998	0
## 404	1	1	1	0	7	0	0.89999998	0
## 406	1	1	0	0	7	0	0.89999998	0
## 408	1	1	0	0	8	0	1.4	0
## 411	1	0	0	0	6	0	0.80000001	0
## 422	1	1	0	0	6	0	1.2	0
## 423	1	1	1	0	6	1	1.1	0
## 426	0	0	0	0	6	0	1.5	0
## 452	1	1	0	0	7	0	1.1	0
## 454	0	0	0	0	6	0	1	0
## 456	1	1	0	0	7	0	1	0
## 458	1	1	0	0	7	0	1	0
## 468	0	0	0	0	7	0	1.5	0
## 469	1	1	0	0	6	0	0.80000001	0
## 472	0	0	0	0	7	0	1.2	0
## 479	0	0	0	0	6	1	1.6	0
## 485	1	1	0	0	6	0	1.2	0
## 488	1	1	1	1	7	0	1.1	0
## 490	0	0	0	0	7	0	0.69999999	0
## 495	0	0	0	0	8	0	0.89999998	0
## 498	0	0	0	0	4	1	0.89999998	0
## 501	1	1	0	0	8	0	1.3	0
## 502	0	0	0	0	8	1	1.2	0
## 506	0	0	0	0	7	0	1	0
## 515	1	1	0	0	7	0	0.89999998	0
## 517	1	1	1	0	5	1	1	0
## 525	0	0	0	0	6	1	0.80000001	0
## 526	1	1	1	0	6	0	3.5	1
## 533	0	0	0	0	7	0	1.2	0
## 556	0	0	0	0	8	1	1.2	0
## 561	0	0	0	0	8	0	1.1	0
## 571	0	0	0	0	8	1	1	0
## 572	0	0	0	0	7	1	1.1	0
## 582	1	1	1	0	6	0	1	0
## 592	1	1	1	1	7	1	1.2	0
## 598	0	0	0	0	6	0	1.09	0
## 600	1	1	1	1	6	1	1.1	0
## 607	0	0	0	0	7	1	0.89999998	0
## 612	0	0	0	0	9	0	1.5	0
## 622	1	1	1	1	8	0	1.3	0
## 627	1	1	0	0	5	0	1.5	0
## 630	0	0	0	0	7	0	1.1	0

## 635	0	0	0	0	8	0	1.5	0
## 640	0	0	0	0	8	0	1.15	0
## 642	0	0	0	0	7	1	1.3	0
## 644	1	1	0	0	6	0	1	0
## 645	1	0	0	0	4	0	1.1	0
## 649	0	0	0	0	7	0	0.93000001	0
## 657	0	0	0	0	6	0	1	0
## 662	0	0	0	0	6	1	1	0
## 664	1	1	0	0	8	0	0.80000001	0
## 667	0	0	0	0	9	0	1.3	0
## 669	1	0	0	0	7	0	1.8	0
## 670	0	0	0	0	7	0	1.2	0
## 679	1	1	0	0	7	0	1.2	0
## 683	0	0	0	0	6	0	1.3	0
## 687	0	0	0	0	7	0	<NA>	0
## 688	1	1	1	0	7	1	0.80000001	0
## 691	0	0	0	0	8	1	1.1	0
## 694	0	0	0	0	8	1	3	0
## 696	1	1	1	1	7	0	1.3	0
## 710	0	0	0	0	6	1	1.2	0
## 712	1	1	1	0	8	0	1.9	0
## 714	1	1	0	0	9	0	1.2	0
## 717	1	1	1	1	7	0	1.2	0
## 719	1	1	0	0	7	0	1	0
## 722	0	0	0	0	7	0	1.3	0
## 725	0	0	0	0	7	1	1	0
## 729	1	1	0	0	7	0	1.1	0
## 733	1	1	0	0	8	0	1.1	0
## 740	0	0	0	0	8	1	1.5	0
## 743	0	0	0	0	9	0	1.3	0
## 746	0	0	0	0	7	0	<NA>	0
## 747	1	1	1	1	7	1	1	0
## 749	0	0	0	0	8	0	1.2	0
## 759	0	0	0	0	6	1	0.80000001	0
## 763	1	1	0	0	8	0	1.3	0
## 766	1	1	1	0	8	1	1.4	0
## 776	1	1	0	0	9	0	1	0
## 793	0	0	0	0	6	1	1.2	0
## 795	1	1	1	0	8	0	1.1	0
## 799	1	1	1	1	5	1	0.89999998	0
## 802	1	1	1	1	8	1	<NA>	0
## 810	1	1	0	0	6	0	1	1
## 818	0	0	0	0	6	0	1	0
## 822	1	1	1	1	7	1	1	0
## 823	0	0	0	0	6	0	0.89999998	0
## 828	1	1	0	0	7	0	1.1	0
## 835	0	0	0	0	8	0	1.4	0
## 836	0	0	0	0	7	1	1.6	0
## 841	1	1	1	1	9	1	1.2	0
## 855	0	0	0	0	6	0	1	0
## 856	0	0	0	0	6	0	<NA>	0
## 860	0	0	0	0	7	0	1.5	0
## 861	0	0	0	0	5	0	1.3	0
## 864	0	0	0	0	7	1	1.8	0

## 886	0	0	0	0	7	1	1	0
## 892	0	0	0	0	7	0	0.89999998	0
## 898	0	0	0	0	7	1	1	0
##	rf_2	rf_3	priority_21	priority_22	dm3cat	dm3cat_21	dm3cat_22	
## 9	0	0	1	0	1	0	0	
## 15	0	0	1	0	1	0	0	
## 22	0	0	1	0	3	1	1	
## 24	0	0	1	0	1	0	0	
## 31	0	0	1	0	1	0	0	
## 32	0	0	1	0	2	1	0	
## 42	0	0	1	0	2	1	0	
## 53	0.20000005	0	1	0	1	0	0	
## 61	0.10000002	0	0	0	2	1	0	
## 63	<NA>	<NA>	0	0	2	1	0	
## 64	0	0	0	0	2	1	0	
## 66	0	0	1	0	1	0	0	
## 78	0	0	0	0	1	0	0	
## 82	0	0	0	0	1	0	0	
## 84	0.15999997	0	1	0	1	0	0	
## 85	0.10000002	0	1	0	1	0	0	
## 86	0	0	1	0	2	1	0	
## 104	1	0.5	0	0	3	1	1	
## 106	0.20000005	0	0	0	1	0	0	
## 111	0	0	1	0	1	0	0	
## 114	0.20000005	0	0	0	1	0	0	
## 115	0	0	1	1	1	0	0	
## 117	0.29999995	0	1	0	1	0	0	
## 130	0.20000005	0	1	0	1	0	0	
## 133	0.39999998	0	0	0	2	1	0	
## 135	0.20000005	0	0	0	2	1	0	
## 138	0.60000002	0.10000002	0	0	2	1	0	
## 143	0.29999995	0	1	0	1	0	0	
## 145	0	0	1	0	1	0	0	
## 152	0	0	1	0	1	0	0	
## 153	0.29999995	0	1	0	1	0	0	
## 165	0	0	1	0	1	0	0	
## 173	0	0	1	0	1	0	0	
## 178	0	0	1	0	1	0	0	
## 182	0	0	1	0	1	0	0	
## 187	0	0	0	0	1	0	0	
## 189	0.29999995	0	1	0	1	0	0	
## 191	0	0	1	0	1	0	0	
## 192	0	0	0	0	2	1	0	
## 197	0	0	1	0	2	1	0	
## 201	0.10000002	0	1	0	1	0	0	
## 207	0	0	0	0	1	0	0	
## 208	0.39999998	0	1	0	1	0	0	
## 213	0	0	1	0	3	1	1	
## 219	0	0	1	0	1	0	0	
## 221	0	0	1	0	2	1	0	
## 235	0	0	1	0	1	0	0	
## 237	0	0	1	0	1	0	0	
## 240	0.090000033	0	1	0	1	0	0	
## 244	0.10000002	0	1	0	1	0	0	

## 245	0	0	0	0	1	0	0
## 247	0.20000005	0	1	0	1	0	0
## 253	0	0	1	0	1	0	0
## 260	0.10000002	0	1	0	1	0	0
## 263	0	0	1	0	1	0	0
## 271	0	0	0	0	1	0	0
## 274	0	0	0	0	1	0	0
## 284	0	0	1	0	1	0	0
## 288	0	0	1	0	1	0	0
## 289	0	0	1	0	1	0	0
## 294	0	0	1	0	2	1	0
## 296	0.20000005	0	0	0	1	0	0
## 297	0	0	0	0	2	1	0
## 298	0.39999998	0	0	0	3	1	1
## 300	0	0	1	0	1	0	0
## 301	0	0	1	0	1	0	0
## 304	0.10000002	0	1	0	1	0	0
## 307	0	0	1	0	1	0	0
## 316	0.10000002	0	1	0	3	1	1
## 317	0	0	1	0	1	0	0
## 320	0.60000002	0.10000002	1	0	3	1	1
## 321	2.3	1.8	1	0	2	1	0
## 326	0.10000002	0	0	0	2	1	0
## 330	0.10000002	0	1	0	1	0	0
## 333	0.20000005	0	1	0	1	0	0
## 334	0	0	1	0	1	0	0
## 337	0	0	1	0	1	0	0
## 338	0	0	1	0	1	0	0
## 348	0.29999995	0	1	0	1	0	0
## 353	0.39999998	0	1	1	1	0	0
## 354	0.60000002	0.10000002	1	0	2	1	0
## 355	0.20000005	0	1	1	1	0	0
## 356	0.89999998	0.39999998	0	0	1	0	0
## 359	0.20000005	0	1	0	1	0	0
## 364	0.29999995	0	1	0	1	0	0
## 369	0	0	1	0	2	1	0
## 378	0	0	0	0	1	0	0
## 381	0.29999995	0	0	0	3	1	1
## 386	0.29999995	0	0	0	1	0	0
## 388	0.20000005	0	0	0	2	1	0
## 392	0.5	0	0	0	2	1	0
## 394	0	0	1	0	2	1	0
## 396	0	0	1	0	1	0	0
## 404	0	0	1	0	2	1	0
## 406	0	0	1	0	1	0	0
## 408	0.39999998	0	1	0	1	0	0
## 411	0	0	1	1	1	0	0
## 422	0.20000005	0	1	0	1	0	0
## 423	0.10000002	0	0	0	1	0	0
## 426	0.5	0	0	0	3	1	1
## 452	0.10000002	0	1	0	3	1	1
## 454	0	0	0	0	2	1	0
## 456	0	0	1	0	1	0	0
## 458	0	0	1	0	2	1	0

## 468	0.5	0	1	0	1	0	0
## 469	0	0	1	0	2	1	0
## 472	0.20000005	0	0	0	2	1	0
## 479	0.60000002	0.10000002	1	0	1	0	0
## 485	0.20000005	0	1	0	2	1	0
## 488	0.10000002	0	0	0	2	1	0
## 490	0	0	0	0	2	1	0
## 495	0	0	0	0	2	1	0
## 498	0	0	1	0	2	1	0
## 501	0.29999995	0	1	0	3	1	1
## 502	0.20000005	0	1	0	1	0	0
## 506	0	0	1	0	1	0	0
## 515	0	0	1	0	2	1	0
## 517	0	0	0	0	1	0	0
## 525	0	0	1	0	2	1	0
## 526	0	0	0	0	3	1	1
## 533	0.20000005	0	1	0	2	1	0
## 556	0.20000005	0	1	0	2	1	0
## 561	0.10000002	0	0	0	1	0	0
## 571	0	0	1	0	1	0	0
## 572	0.10000002	0	1	0	1	0	0
## 582	0	0	0	0	1	0	0
## 592	0.20000005	0	1	0	3	1	1
## 598	0.090000033	0	1	0	1	0	0
## 600	0.10000002	0	0	0	1	0	0
## 607	0	0	1	0	2	1	0
## 612	0.5	0	1	0	2	1	0
## 622	0.29999995	0	1	0	3	1	1
## 627	0.5	0	1	0	3	1	1
## 630	0.10000002	0	1	0	2	1	0
## 635	0.5	0	1	0	2	1	0
## 640	0.14999998	0	1	0	1	0	0
## 642	0.29999995	0	1	0	3	1	1
## 644	0	0	1	0	1	0	0
## 645	0.10000002	0	1	0	1	0	0
## 649	0	0	0	0	1	0	0
## 657	0	0	0	0	1	0	0
## 662	0	0	1	0	1	0	0
## 664	0	0	1	1	1	0	0
## 667	0.29999995	0	1	0	1	0	0
## 669	0.79999995	0.29999995	1	0	1	0	0
## 670	0.20000005	0	0	0	2	1	0
## 679	0.20000005	0	1	0	2	1	0
## 683	0.29999995	0	0	0	1	0	0
## 687	<NA>	<NA>	0	0	2	1	0
## 688	0	0	1	0	1	0	0
## 691	0.10000002	0	1	0	1	0	0
## 694	2	1.5	1	0	2	1	0
## 696	0.29999995	0	0	0	1	0	0
## 710	0.20000005	0	1	0	2	1	0
## 712	0.89999998	0.39999998	1	0	2	1	0
## 714	0.20000005	0	1	0	2	1	0
## 717	0.20000005	0	0	0	2	1	0
## 719	0	0	1	0	1	0	0

## 722	0.29999995	0	1	0	1	0	0
## 725	0	0	0	0	1	0	0
## 729	0.10000002	0	1	0	1	0	0
## 733	0.10000002	0	1	0	3	1	1
## 740	0.5	0	1	0	1	0	0
## 743	0.29999995	0	0	0	2	1	0
## 746	<NA>	<NA>	0	0	1	0	0
## 747	0	0	1	0	1	0	0
## 749	0.20000005	0	0	0	3	1	1
## 759	0	0	1	0	1	0	0
## 763	0.29999995	0	1	0	1	0	0
## 766	0.39999998	0	0	0	2	1	0
## 776	0	0	1	0	1	0	0
## 793	0.20000005	0	1	0	1	0	0
## 795	0.10000002	0	1	0	1	0	0
## 799	0	0	1	0	1	0	0
## 802	<NA>	<NA>	1	0	1	0	0
## 810	0	0	1	0	1	0	0
## 818	0	0	1	0	1	0	0
## 822	0	0	1	0	2	1	0
## 823	0	0	1	0	2	1	0
## 828	0.10000002	0	1	0	1	0	0
## 835	0.39999998	0	1	0	1	0	0
## 836	0.60000002	0.10000002	0	0	3	1	1
## 841	0.20000005	0	1	0	1	0	0
## 855	0	0	0	0	2	1	0
## 856	<NA>	<NA>	0	0	1	0	0
## 860	0.5	0	0	0	3	1	1
## 861	0.29999995	0	1	0	3	1	1
## 864	0.79999995	0.29999995	1	0	2	1	0
## 886	0	0	1	0	1	0	0
## 892	0	0	1	0	1	0	0
## 898	0	0	1	0	1	0	0
##	dm3cat_21_2	dm3cat_22_2	pci_ta	efvalue_r	ef50_neg_r	ef50_neg_d_r	
## 9	0	0	0	77	0	1	
## 15	0	0	0	60	0	1	
## 22	1	1	0	35	15	3	
## 24	0	0	0	60	0	1	
## 31	0	0	0	55	0	1	
## 32	1	0	0	23	27	4	
## 42	1	0	0	65	0	1	
## 53	0	0	0	60	0	1	
## 61	1	0	0	58	0	1	
## 63	1	0	0	30	20	3	
## 64	1	0	0	50	0	1	
## 66	0	0	0	50	0	1	
## 78	0	0	0	50	0	1	
## 82	0	0	0	60	0	1	
## 84	0	0	0	65	0	1	
## 85	0	0	0	75	0	1	
## 86	1	0	0	60	0	1	
## 104	1	1	0	50	0	1	
## 106	0	0	0	50	0	1	
## 111	0	0	0	50	0	1	

## 114	0	0	0	45	5	2
## 115	0	0	0	55	0	1
## 117	0	0	1	51	0	1
## 130	0	0	0	60	0	1
## 133	1	0	0	65	0	1
## 135	1	0	0	70	0	1
## 138	1	0	0	20	30	4
## 143	0	0	0	55	0	1
## 145	0	0	0	65	0	1
## 152	0	0	0	50	0	1
## 153	0	0	0	55	0	1
## 165	0	0	0	55	0	1
## 173	0	0	0	69	0	1
## 178	0	0	0	60	0	1
## 182	0	0	0	30	20	3
## 187	0	0	0	45	5	2
## 189	0	0	0	53	0	1
## 191	0	0	0	58	0	1
## 192	1	0	0	55	0	1
## 197	1	0	0	59	0	1
## 201	0	0	0	40	10	2
## 207	0	0	0	37	13	3
## 208	0	0	1	57	0	1
## 213	1	1	0	60	0	1
## 219	0	0	0	55	0	1
## 221	1	0	0	57	0	1
## 235	0	0	0	65	0	1
## 237	0	0	0	40	10	2
## 240	0	0	0	65	0	1
## 244	0	0	0	63	0	1
## 245	0	0	0	60	0	1
## 247	0	0	0	51	0	1
## 253	0	0	0	60	0	1
## 260	0	0	0	60	0	1
## 263	0	0	0	29	21	4
## 271	0	0	0	73	0	1
## 274	0	0	0	55	0	1
## 284	0	0	0	80	0	1
## 288	0	0	1	20	30	4
## 289	0	0	0	60	0	1
## 294	1	0	0	50	0	1
## 296	0	0	0	65	0	1
## 297	1	0	0	60	0	1
## 298	1	1	0	60	0	1
## 300	0	0	0	65	0	1
## 301	0	0	0	35	15	3
## 304	0	0	0	60	0	1
## 307	0	0	0	65	0	1
## 316	1	1	0	45	5	2
## 317	0	0	0	35	15	3
## 320	1	1	0	50	0	1
## 321	1	0	0	55	0	1
## 326	1	0	0	60	0	1
## 330	0	0	0	49	1	2

## 333	0	0	0	60	0	1
## 334	0	0	0	60	0	1
## 337	0	0	1	20	30	4
## 338	0	0	0	60	0	1
## 348	0	0	0	60	0	1
## 353	0	0	0	53	0	1
## 354	1	0	0	42	8	2
## 355	0	0	0	30	20	3
## 356	0	0	0	40	10	2
## 359	0	0	0	64	0	1
## 364	0	0	0	75	0	1
## 369	1	0	0	60	0	1
## 378	0	0	0	60	0	1
## 381	1	1	0	65	0	1
## 386	0	0	0	75	0	1
## 388	1	0	0	57	0	1
## 392	1	0	0	35	15	3
## 394	1	0	0	65	0	1
## 396	0	0	0	60	0	1
## 404	1	0	0	70	0	1
## 406	0	0	0	45	5	2
## 408	0	0	0	65	0	1
## 411	0	0	0	50	0	1
## 422	0	0	0	52	0	1
## 423	0	0	0	45	5	2
## 426	1	1	0	59	0	1
## 452	1	1	0	30	20	3
## 454	1	0	0	60	0	1
## 456	0	0	0	60	0	1
## 458	1	0	0	50	0	1
## 468	0	0	0	75	0	1
## 469	1	0	0	56	0	1
## 472	1	0	0	58	0	1
## 479	0	0	0	60	0	1
## 485	1	0	0	54	0	1
## 488	1	0	0	40	10	2
## 490	1	0	0	50	0	1
## 495	1	0	0	58	0	1
## 498	1	0	0	60	0	1
## 501	1	1	0	55	0	1
## 502	0	0	0	60	0	1
## 506	0	0	0	48	2	2
## 515	1	0	0	52	0	1
## 517	0	0	0	49	1	2
## 525	1	0	0	60	0	1
## 526	1	1	0	30	20	3
## 533	1	0	0	33	17	3
## 556	1	0	0	63	0	1
## 561	0	0	0	47	3	2
## 571	0	0	0	52	0	1
## 572	0	0	0	63	0	1
## 582	0	0	0	35	15	3
## 592	1	1	0	45	5	2
## 598	0	0	0	65	0	1

## 600	0	0	0	52	0	1
## 607	1	0	0	65	0	1
## 612	1	0	0	60	0	1
## 622	1	1	0	45	5	2
## 627	1	1	0	35	15	3
## 630	1	0	0	45	5	2
## 635	1	0	0	60	0	1
## 640	0	0	0	60	0	1
## 642	1	1	0	55	0	1
## 644	0	0	0	50	0	1
## 645	0	0	0	30	20	3
## 649	0	0	0	58	0	1
## 657	0	0	0	57	0	1
## 662	0	0	0	70	0	1
## 664	0	0	0	60	0	1
## 667	0	0	0	55	0	1
## 669	0	0	0	20	30	4
## 670	1	0	0	40	10	2
## 679	1	0	0	57	0	1
## 683	0	0	1	57	0	1
## 687	1	0	0	60	0	1
## 688	0	0	0	35	15	3
## 691	0	0	0	65	0	1
## 694	1	0	0	60	0	1
## 696	0	0	0	45	5	2
## 710	1	0	0	50	0	1
## 712	1	0	0	35	15	3
## 714	1	0	0	30	20	3
## 717	1	0	0	30	20	3
## 719	0	0	0	35	15	3
## 722	0	0	0	60	0	1
## 725	0	0	0	80	0	1
## 729	0	0	0	46	4	2
## 733	1	1	0	50	0	1
## 740	0	0	0	52	0	1
## 743	1	0	0	60	0	1
## 746	0	0	0	65	0	1
## 747	0	0	0	47	3	2
## 749	1	1	0	65	0	1
## 759	0	0	0	60	0	1
## 763	0	0	0	20	30	4
## 766	1	0	0	30	20	3
## 776	0	0	0	50	0	1
## 793	0	0	0	58	0	1
## 795	0	0	1	60	0	1
## 799	0	0	0	60	0	1
## 802	0	0	0	75	0	1
## 810	0	0	0	72	0	1
## 818	0	0	0	65	0	1
## 822	1	0	0	40	10	2
## 823	1	0	0	57	0	1
## 828	0	0	0	52	0	1
## 835	0	0	0	55	0	1
## 836	1	1	0	57	0	1

## 841	0	0	0	50	0	1
## 855	1	0	0	50	0	1
## 856	0	0	0	60	0	1
## 860	1	1	0	56	0	1
## 861	1	1	0	23	27	4
## 864	1	0	0	60	0	1
## 886	0	0	0	50	0	1
## 892	0	0	0	65	0	1
## 898	0	0	0	47	3	2
##	atfibyn_2_r	priormi_r	priormi_21_r	priormi_22_r	priormi_23_r	priormi_24_r
## 9	0	3	1	1	1	0
## 15	0	0	0	0	0	0
## 22	0	4	1	1	1	1
## 24	0	0	0	0	0	0
## 31	0	2	1	1	0	0
## 32	1	0	0	0	0	0
## 42	0	0	0	0	0	0
## 53	0	0	0	0	0	0
## 61	0	4	1	1	1	1
## 63	0	3	1	1	1	0
## 64	1	0	0	0	0	0
## 66	0	2	1	1	0	0
## 78	0	4	1	1	1	1
## 82	0	0	0	0	0	0
## 84	0	0	0	0	0	0
## 85	0	4	1	1	1	1
## 86	0	0	0	0	0	0
## 104	0	3	1	1	1	0
## 106	0	0	0	0	0	0
## 111	0	2	1	1	0	0
## 114	0	0	0	0	0	0
## 115	0	0	0	0	0	0
## 117	0	3	1	1	1	0
## 130	0	0	0	0	0	0
## 133	0	4	1	1	1	1
## 135	0	0	0	0	0	0
## 138	0	3	1	1	1	0
## 143	0	0	0	0	0	0
## 145	0	0	0	0	0	0
## 152	0	2	1	1	0	0
## 153	0	0	0	0	0	0
## 165	0	0	0	0	0	0
## 173	0	0	0	0	0	0
## 178	0	0	0	0	0	0
## 182	0	2	1	1	0	0
## 187	0	3	1	1	1	0
## 189	0	3	1	1	1	0
## 191	0	0	0	0	0	0
## 192	0	0	0	0	0	0
## 197	0	0	0	0	0	0
## 201	1	3	1	1	1	0
## 207	0	0	0	0	0	0
## 208	0	4	1	1	1	1
## 213	0	0	0	0	0	0

## 219	0	0	0	0	0	0
## 221	0	0	0	0	0	0
## 235	0	0	0	0	0	0
## 237	0	3	1	1	1	0
## 240	0	0	0	0	0	0
## 244	0	4	1	1	1	1
## 245	0	0	0	0	0	0
## 247	0	0	0	0	0	0
## 253	0	0	0	0	0	0
## 260	0	0	0	0	0	0
## 263	0	2	1	1	0	0
## 271	0	0	0	0	0	0
## 274	0	0	0	0	0	0
## 284	0	0	0	0	0	0
## 288	0	0	0	0	0	0
## 289	0	0	0	0	0	0
## 294	0	2	1	1	0	0
## 296	0	0	0	0	0	0
## 297	0	0	0	0	0	0
## 298	0	0	0	0	0	0
## 300	0	0	0	0	0	0
## 301	0	0	0	0	0	0
## 304	0	0	0	0	0	0
## 307	0	0	0	0	0	0
## 316	0	0	0	0	0	0
## 317	0	3	1	1	1	0
## 320	1	0	0	0	0	0
## 321	0	3	1	1	1	0
## 326	0	0	0	0	0	0
## 330	0	0	0	0	0	0
## 333	0	0	0	0	0	0
## 334	0	0	0	0	0	0
## 337	0	4	1	1	1	1
## 338	0	0	0	0	0	0
## 348	0	0	0	0	0	0
## 353	0	0	0	0	0	0
## 354	0	4	1	1	1	1
## 355	0	1	1	0	0	0
## 356	1	0	0	0	0	0
## 359	0	0	0	0	0	0
## 364	0	0	0	0	0	0
## 369	0	0	0	0	0	0
## 378	0	0	0	0	0	0
## 381	0	0	0	0	0	0
## 386	0	0	0	0	0	0
## 388	0	4	1	1	1	1
## 392	0	0	0	0	0	0
## 394	0	2	1	1	0	0
## 396	0	0	0	0	0	0
## 404	0	3	1	1	1	0
## 406	0	2	1	1	0	0
## 408	0	2	1	1	0	0
## 411	0	1	1	0	0	0
## 422	0	2	1	1	0	0

## 423	0	3	1	1	1	0
## 426	0	0	0	0	0	0
## 452	0	2	1	1	0	0
## 454	0	0	0	0	0	0
## 456	0	2	1	1	0	0
## 458	0	2	1	1	0	0
## 468	0	0	0	0	0	0
## 469	0	2	1	1	0	0
## 472	0	0	0	0	0	0
## 479	0	0	0	0	0	0
## 485	0	2	1	1	0	0
## 488	0	4	1	1	1	1
## 490	0	0	0	0	0	0
## 495	0	0	0	0	0	0
## 498	0	0	0	0	0	0
## 501	0	2	1	1	0	0
## 502	0	0	0	0	0	0
## 506	0	0	0	0	0	0
## 515	0	2	1	1	0	0
## 517	0	3	1	1	1	0
## 525	0	0	0	0	0	0
## 526	1	3	1	1	1	0
## 533	0	0	0	0	0	0
## 556	0	0	0	0	0	0
## 561	0	0	0	0	0	0
## 571	0	0	0	0	0	0
## 572	0	0	0	0	0	0
## 582	0	3	1	1	1	0
## 592	0	4	1	1	1	1
## 598	0	0	0	0	0	0
## 600	0	4	1	1	1	1
## 607	0	0	0	0	0	0
## 612	0	0	0	0	0	0
## 622	0	4	1	1	1	1
## 627	0	2	1	1	0	0
## 630	0	0	0	0	0	0
## 635	0	0	0	0	0	0
## 640	0	0	0	0	0	0
## 642	1	0	0	0	0	0
## 644	0	2	1	1	0	0
## 645	0	1	1	0	0	0
## 649	0	0	0	0	0	0
## 657	0	0	0	0	0	0
## 662	0	0	0	0	0	0
## 664	0	2	1	1	0	0
## 667	0	0	0	0	0	0
## 669	0	1	1	0	0	0
## 670	0	0	0	0	0	0
## 679	0	2	1	1	0	0
## 683	0	0	0	0	0	0
## 687	0	0	0	0	0	0
## 688	0	3	1	1	1	0
## 691	0	0	0	0	0	0
## 694	0	0	0	0	0	0

## 696	0	4	1	1	1	1			
## 710	0	0	0	0	0	0			
## 712	0	3	1	1	1	0			
## 714	0	2	1	1	0	0			
## 717	1	4	1	1	1	1			
## 719	0	2	1	1	0	0			
## 722	0	0	0	0	0	0			
## 725	0	0	0	0	0	0			
## 729	0	2	1	1	0	0			
## 733	0	2	1	1	0	0			
## 740	0	0	0	0	0	0			
## 743	0	0	0	0	0	0			
## 746	0	0	0	0	0	0			
## 747	0	4	1	1	1	1			
## 749	0	0	0	0	0	0			
## 759	0	0	0	0	0	0			
## 763	0	2	1	1	0	0			
## 766	0	3	1	1	1	0			
## 776	0	2	1	1	0	0			
## 793	0	0	0	0	0	0			
## 795	0	3	1	1	1	0			
## 799	0	4	1	1	1	1			
## 802	0	4	1	1	1	1			
## 810	0	2	1	1	0	0			
## 818	0	0	0	0	0	0			
## 822	0	4	1	1	1	1			
## 823	0	0	0	0	0	0			
## 828	0	2	1	1	0	0			
## 835	0	0	0	0	0	0			
## 836	0	0	0	0	0	0			
## 841	0	4	1	1	1	1			
## 855	0	0	0	0	0	0			
## 856	0	0	0	0	0	0			
## 860	0	0	0	0	0	0			
## 861	0	0	0	0	0	0			
## 864	0	0	0	0	0	0			
## 886	0	0	0	0	0	0			
## 892	0	0	0	0	0	0			
## 898	0	0	0	0	0	0			
##	age_r	age_d_r	ua_r	ua_nmi7_r	chf_r	chf2cat_r	rf_r	creatpre_2_r	rf_1_r
## 9	59.162216	6	0	0	0	0	0	1	0
## 15	74.294319	8	1	1	0	0	0	1	0
## 22	39.578369	4	1	1	0	0	0	0.69999999	0
## 24	49.445583	5	1	1	0	0	0	0.80000001	0
## 31	64.681725	7	0	0	0	0	0	1	0
## 32	61.724846	7	1	1	1	1	0	0.80000001	0
## 42	59.011635	6	1	1	0	0	0	1	0
## 53	69.566048	7	1	1	0	0	0	1.2	0
## 61	77.048599	8	1	1	0	0	0	1.1	0
## 63	67.049965	7	0	0	4	1	0	<NA>	0
## 64	58.195755	6	0	0	0	0	0	1	0
## 66	65.404518	7	1	0	0	0	0	0.89999998	0
## 78	60.19165	7	0	0	0	0	0	1	0
## 82	82.663925	9	0	0	0	0	0	0.94999999	0

## 84	58.417522	6	0	0	0	0	0	1.16	0
## 85	53.212868	6	1	1	0	0	0	1.1	0
## 86	54.510609	6	1	1	0	0	0	0.89999998	0
## 104	56.210815	6	0	0	0	0	0	2	0
## 106	64.624229	7	1	1	0	0	0	1.2	0
## 111	79.849419	8	0	0	0	0	0	0.89999998	0
## 114	77.735794	8	0	0	0	0	0	1.2	0
## 115	67.041756	7	1	1	0	0	0	0.89999998	0
## 117	49.86174	5	1	1	0	0	0	1.3	0
## 130	63.353867	7	1	1	0	0	0	1.2	0
## 133	67.611229	7	0	0	0	0	0	1.4	0
## 135	69.158112	7	1	1	0	0	0	1.2	0
## 138	68.77755	7	1	1	1	1	0	1.6	0
## 143	67.980835	7	1	1	0	0	0	1.3	0
## 145	73.596169	8	0	0	0	0	0	0.80000001	0
## 152	54.349075	6	1	0	0	0	0	0.60000002	0
## 153	64.947296	7	1	1	0	0	0	1.3	0
## 165	63.586586	7	1	1	0	0	0	1	0
## 173	46.929501	5	0	0	0	0	0	0.80000001	0
## 178	58.261463	6	0	0	0	0	0	0.89999998	0
## 182	65.166321	7	0	0	1	1	0	0.69999999	0
## 187	61.393566	7	1	1	0	0	0	1	0
## 189	64.542091	7	1	1	4	1	0	1.3	0
## 191	55.181381	6	1	1	0	0	0	0.89999998	0
## 192	63.819302	7	1	1	0	0	0	1	0
## 197	57.048595	6	0	0	0	0	0	0.80000001	0
## 201	70.13826	8	0	0	0	0	0	1.1	0
## 207	61.420944	7	0	0	0	0	0	1	0
## 208	78.206711	8	1	1	0	0	0	1.4	0
## 213	65.242981	7	1	1	0	0	0	1	0
## 219	58.398357	6	1	1	0	0	0	0.89999998	0
## 221	67.444214	7	1	1	0	0	0	0.80000001	0
## 235	50.880219	6	1	1	0	0	0	1	0
## 237	54.715946	6	0	0	0	0	0	0.89999998	0
## 240	66.316223	7	0	0	0	0	0	1.09	0
## 244	71.477074	8	1	1	0	0	0	1.1	0
## 245	77.806984	8	0	0	4	1	0	0.89999998	0
## 247	63.723476	7	1	1	0	0	0	1.2	0
## 253	57.278576	6	0	0	0	0	0	0.80000001	0
## 260	56.098564	6	0	0	0	0	0	1.1	0
## 263	66.696785	7	0	0	1	1	0	1	0
## 271	48.878849	5	0	0	0	0	0	0.80000001	0
## 274	50.477757	6	0	0	0	0	0	0.80000001	0
## 284	57.664612	6	1	1	0	0	0	0.89999998	0
## 288	83.266258	9	0	0	0	0	0	0.67000002	0
## 289	55.206024	6	1	1	0	0	0	0.89999998	0
## 294	65.440109	7	0	0	0	0	0	0.80000001	0
## 296	76.487335	8	1	1	0	0	0	1.2	0
## 297	57.180016	6	0	0	0	0	0	0.80000001	0
## 298	57.916496	6	0	0	0	0	0	1.4	0
## 300	52.03833	6	0	0	0	0	0	0.89999998	0
## 301	65.0924	7	0	0	0	0	0	0.89999998	0
## 304	76.665298	8	1	1	0	0	0	1.1	0
## 307	80.73922	9	1	1	0	0	0	0.80000001	0

## 316 67.096512	7	1	1	0	0	0	1.1	0
## 317 72.139633	8	1	1	0	0	0	1	0
## 320 57.919235	6	1	1	4	1	0	1.6	0
## 321 74.288841	8	1	1	4	1	0	3.3	0
## 326 74.551674	8	0	0	0	0	0	1.1	0
## 330 77.119781	8	1	1	0	0	0	1.1	0
## 333 73.683777	8	0	0	0	0	0	1.2	0
## 334 81.987679	9	1	1	0	0	0	0.69999999	0
## 337 73.155373	8	0	0	0	0	0	0.89999998	0
## 338 68.350449	7	1	1	0	0	0	0.89999998	0
## 348 53.319645	6	0	0	0	0	0	1.3	0
## 353 65.546883	7	1	1	0	0	0	1.4	0
## 354 69.86174	7	1	1	0	0	0	1.6	0
## 355 49.511295	5	0	0	0	0	0	1.2	0
## 356 82.981522	9	1	1	2	1	0	1.9	0
## 359 61.601643	7	1	1	0	0	0	1.2	0
## 364 67.353867	7	0	0	0	0	0	1.3	0
## 369 76.61602	8	1	1	0	0	0	0.80000001	0
## 378 62.198494	7	0	0	0	0	0	1	0
## 381 48.895279	5	0	0	0	0	0	1.3	0
## 386 66.937714	7	0	0	0	0	0	1.3	0
## 388 50.803558	6	0	0	0	0	0	1.2	0
## 392 61.352497	7	0	0	0	0	0	1.5	0
## 394 66.529778	7	0	0	0	0	0	1	0
## 396 61.664612	7	1	1	0	0	0	0.89999998	0
## 404 68.813141	7	0	0	0	0	0	0.89999998	0
## 406 67.438744	7	0	0	0	0	0	0.89999998	0
## 408 70.130051	8	0	0	0	0	0	1.4	0
## 411 57.319645	6	1	0	0	0	0	0.80000001	0
## 422 55.972622	6	1	0	0	0	0	1.2	0
## 423 50.398357	6	1	1	0	0	0	1.1	0
## 426 59.909653	6	0	0	0	0	0	1.5	0
## 452 69.034904	7	1	0	0	0	0	1.1	0
## 454 55.011635	6	0	0	0	0	0	1	0
## 456 62.773441	7	0	0	0	0	0	1	0
## 458 67.931557	7	0	0	0	0	0	1	0
## 468 65.015739	7	0	0	0	0	0	1.5	0
## 469 53.034908	6	1	0	0	0	0	0.80000001	0
## 472 63.444218	7	0	0	0	0	0	1.2	0
## 479 55.698837	6	1	1	0	0	0	1.6	0
## 485 52.459957	6	1	0	0	0	0	1.2	0
## 488 60.919918	7	0	0	0	0	0	1.1	0
## 490 65.952087	7	0	0	0	0	0	0.69999999	0
## 495 78.850105	8	0	0	0	0	0	0.89999998	0
## 498 37.850788	4	1	1	0	0	0	0.89999998	0
## 501 79.129364	8	1	0	0	0	0	1.3	0
## 502 71.288162	8	1	1	0	0	0	1.2	0
## 506 62.026009	7	0	0	0	0	0	1	0
## 515 66.521561	7	1	0	0	0	0	0.89999998	0
## 517 43.43874	5	1	1	0	0	0	1	0
## 525 55.74538	6	1	1	0	0	0	0.80000001	0
## 526 59.274471	6	0	0	0	0	1	3.5	1
## 533 67.835732	7	0	0	0	0	0	1.2	0
## 556 71.329224	8	1	1	0	0	0	1.2	0

## 561 75.430527	8	0	0	0	0	0	1.1	0
## 571 72.657082	8	1	1	0	0	0	1	0
## 572 63.901436	7	1	1	0	0	0	1.1	0
## 582 56.67625	6	0	0	2	1	0	1	0
## 592 63.540043	7	1	1	0	0	0	1.2	0
## 598 57.70842	6	0	0	0	0	0	1.09	0
## 600 59.797398	6	1	1	0	0	0	1.1	0
## 607 65.700203	7	1	1	0	0	0	0.89999998	0
## 612 80.511978	9	0	0	0	0	0	1.5	0
## 622 73.864479	8	0	0	0	0	0	1.3	0
## 627 48.670773	5	0	0	0	0	0	1.5	0
## 630 60.531143	7	0	0	1	1	0	1.1	0
## 635 76.109512	8	0	0	0	0	0	1.5	0
## 640 70.757019	8	0	0	0	0	0	1.15	0
## 642 63.942505	7	1	1	0	0	0	1.3	0
## 644 57.69199	6	0	0	0	0	0	1	0
## 645 36.257359	4	0	0	1	1	0	1.1	0
## 649 64.350449	7	0	0	0	0	0	0.93000001	0
## 657 56.021904	6	0	0	0	0	0	1	0
## 662 58.921288	6	1	1	0	0	0	1	0
## 664 76.484596	8	0	0	0	0	0	0.80000001	0
## 667 82.746063	9	0	0	0	0	0	1.3	0
## 669 61.177277	7	0	0	1	1	0	1.8	0
## 670 67.589325	7	0	0	0	0	0	1.2	0
## 679 62.855579	7	1	0	0	0	0	1.2	0
## 683 50.847366	6	0	0	0	0	0	1.3	0
## 687 67.06913	7	0	0	0	0	0	<NA>	0
## 688 68.249146	7	1	1	2	1	0	0.80000001	0
## 691 76.008217	8	1	1	1	1	0	1.1	0
## 694 73.648186	8	1	1	0	0	0	3	0
## 696 64.520195	7	0	0	0	0	0	1.3	0
## 710 58.557152	6	1	1	0	0	0	1.2	0
## 712 73.63176	8	0	0	1	1	0	1.9	0
## 714 81.385353	9	0	0	1	1	0	1.2	0
## 717 66.778915	7	0	0	0	0	0	1.2	0
## 719 60.19165	7	1	0	0	0	0	1	0
## 722 62.001369	7	0	0	0	0	0	1.3	0
## 725 63.819302	7	1	1	0	0	0	1	0
## 729 60.164272	7	1	0	0	0	0	1.1	0
## 733 70.527039	8	1	0	0	0	0	1.1	0
## 740 70.847366	8	1	1	0	0	0	1.5	0
## 743 81.505821	9	0	0	0	0	0	1.3	0
## 746 68.870636	7	0	0	0	0	0	<NA>	0
## 747 61.943874	7	1	1	0	0	0	1	0
## 749 71.679672	8	0	0	0	0	0	1.2	0
## 759 59.737167	6	1	1	0	0	0	0.80000001	0
## 763 74.187546	8	0	0	1	1	0	1.3	0
## 766 70.559891	8	1	1	2	1	0	1.4	0
## 776 84.936348	9	1	0	2	1	0	1	0
## 793 59.780972	6	1	1	0	0	0	1.2	0
## 795 71.904175	8	0	0	0	0	0	1.1	0
## 799 49.141685	5	1	1	0	0	0	0.89999998	0
## 802 77.081451	8	1	1	0	0	0	<NA>	0
## 810 57.908283	6	1	0	0	0	1	1	1

## 818	50.587269	6	0	0	0	0	0	1	0
## 822	68.054756	7	1	1	0	0	0	1	0
## 823	59.663246	6	0	0	0	0	0	0.89999998	0
## 828	66.001366	7	1	0	0	0	0	1.1	0
## 835	75.583847	8	0	0	0	0	0	1.4	0
## 836	65.768654	7	1	1	0	0	0	1.6	0
## 841	89.133469	9	1	1	0	0	0	1.2	0
## 855	58.943188	6	0	0	0	0	0	1	0
## 856	50.847366	6	0	0	0	0	0	<NA>	0
## 860	62.863792	7	0	0	0	0	0	1.5	0
## 861	44.060234	5	0	0	1	1	0	1.3	0
## 864	63.080082	7	1	1	0	0	0	1.8	0
## 886	66.006844	7	1	1	0	0	0	1	0
## 892	69.97673	7	0	0	0	0	0	0.89999998	0
## 898	61.859001	7	1	1	0	0	0	1	0
##	rf_2_r	rf_3_r	priority_r	priority_21_r	priority_22_r	sex_r			
## 9	0	0	2	1	0	0			
## 15	0	0	2	1	0	0			
## 22	0	0	2	1	0	0			
## 24	0	0	2	1	0	0			
## 31	0	0	2	1	0	0			
## 32	0	0	2	1	0	0			
## 42	0	0	2	1	0	0			
## 53	0.20000005	0	2	1	0	0			
## 61	0.10000002	0	3	0	0	0			
## 63	0	0	3	0	0	0			
## 64	0	0	3	0	0	0			
## 66	0	0	2	1	0	0			
## 78	0	0	3	0	0	0			
## 82	0	0	3	0	0	0			
## 84	0.15999997	0	2	1	0	0			
## 85	0.10000002	0	2	1	0	0			
## 86	0	0	2	1	0	0			
## 104	1	0.5	3	0	0	0			
## 106	0.20000005	0	3	0	0	0			
## 111	0	0	2	1	0	0			
## 114	0.20000005	0	3	0	0	0			
## 115	0	0	1	1	1	0			
## 117	0.29999995	0	2	1	0	0			
## 130	0.20000005	0	2	1	0	0			
## 133	0.39999998	0	3	0	0	0			
## 135	0.20000005	0	3	0	0	0			
## 138	0.60000002	0.10000002	3	0	0	0			
## 143	0.29999995	0	2	1	0	0			
## 145	0	0	2	1	0	0			
## 152	0	0	2	1	0	0			
## 153	0.29999995	0	2	1	0	0			
## 165	0	0	2	1	0	0			
## 173	0	0	2	1	0	0			
## 178	0	0	2	1	0	0			
## 182	0	0	2	1	0	0			
## 187	0	0	3	0	0	0			
## 189	0.29999995	0	2	1	0	0			
## 191	0	0	2	1	0	0			

## 192	0	0	3	0	0	0
## 197	0	0	2	1	0	0
## 201	0.10000002	0	2	1	0	0
## 207	0	0	3	0	0	0
## 208	0.39999998	0	2	1	0	0
## 213	0	0	2	1	0	0
## 219	0	0	2	1	0	0
## 221	0	0	2	1	0	0
## 235	0	0	2	1	0	0
## 237	0	0	2	1	0	0
## 240	0.090000033	0	2	1	0	0
## 244	0.10000002	0	2	1	0	0
## 245	0	0	3	0	0	0
## 247	0.20000005	0	2	1	0	0
## 253	0	0	2	1	0	0
## 260	0.10000002	0	2	1	0	0
## 263	0	0	2	1	0	0
## 271	0	0	3	0	0	0
## 274	0	0	3	0	0	0
## 284	0	0	2	1	0	0
## 288	0	0	2	1	0	0
## 289	0	0	2	1	0	0
## 294	0	0	2	1	0	0
## 296	0.20000005	0	3	0	0	0
## 297	0	0	3	0	0	0
## 298	0.39999998	0	3	0	0	0
## 300	0	0	2	1	0	0
## 301	0	0	2	1	0	0
## 304	0.10000002	0	2	1	0	0
## 307	0	0	2	1	0	0
## 316	0.10000002	0	2	1	0	0
## 317	0	0	2	1	0	0
## 320	0.60000002	0.10000002	2	1	0	0
## 321	2.3	1.8	2	1	0	0
## 326	0.10000002	0	3	0	0	0
## 330	0.10000002	0	2	1	0	0
## 333	0.20000005	0	2	1	0	0
## 334	0	0	2	1	0	0
## 337	0	0	2	1	0	0
## 338	0	0	2	1	0	0
## 348	0.29999995	0	2	1	0	0
## 353	0.39999998	0	1	1	1	0
## 354	0.60000002	0.10000002	2	1	0	0
## 355	0.20000005	0	1	1	1	0
## 356	0.89999998	0.39999998	3	0	0	0
## 359	0.20000005	0	2	1	0	0
## 364	0.29999995	0	2	1	0	0
## 369	0	0	2	1	0	0
## 378	0	0	3	0	0	0
## 381	0.29999995	0	3	0	0	0
## 386	0.29999995	0	3	0	0	0
## 388	0.20000005	0	3	0	0	0
## 392	0.5	0	3	0	0	0
## 394	0	0	2	1	0	0

## 396	0	0	2	1	0	0
## 404	0	0	2	1	0	0
## 406	0	0	2	1	0	0
## 408	0.39999998	0	2	1	0	0
## 411	0	0	1	1	1	0
## 422	0.20000005	0	2	1	0	0
## 423	0.10000002	0	3	0	0	0
## 426	0.5	0	3	0	0	0
## 452	0.10000002	0	2	1	0	0
## 454	0	0	3	0	0	0
## 456	0	0	2	1	0	0
## 458	0	0	2	1	0	0
## 468	0.5	0	2	1	0	0
## 469	0	0	2	1	0	0
## 472	0.20000005	0	3	0	0	0
## 479	0.60000002	0.10000002	2	1	0	0
## 485	0.20000005	0	2	1	0	0
## 488	0.10000002	0	3	0	0	0
## 490	0	0	3	0	0	0
## 495	0	0	3	0	0	0
## 498	0	0	2	1	0	0
## 501	0.29999995	0	2	1	0	0
## 502	0.20000005	0	2	1	0	0
## 506	0	0	2	1	0	0
## 515	0	0	2	1	0	0
## 517	0	0	3	0	0	0
## 525	0	0	2	1	0	0
## 526	0	0	3	0	0	0
## 533	0.20000005	0	2	1	0	0
## 556	0.20000005	0	2	1	0	0
## 561	0.10000002	0	3	0	0	0
## 571	0	0	2	1	0	0
## 572	0.10000002	0	2	1	0	0
## 582	0	0	3	0	0	0
## 592	0.20000005	0	2	1	0	0
## 598	0.090000033	0	2	1	0	0
## 600	0.10000002	0	3	0	0	0
## 607	0	0	2	1	0	0
## 612	0.5	0	2	1	0	0
## 622	0.29999995	0	2	1	0	0
## 627	0.5	0	2	1	0	0
## 630	0.10000002	0	2	1	0	0
## 635	0.5	0	2	1	0	0
## 640	0.14999998	0	2	1	0	0
## 642	0.29999995	0	2	1	0	0
## 644	0	0	2	1	0	0
## 645	0.10000002	0	2	1	0	0
## 649	0	0	3	0	0	0
## 657	0	0	3	0	0	0
## 662	0	0	2	1	0	0
## 664	0	0	1	1	1	0
## 667	0.29999995	0	2	1	0	0
## 669	0.79999995	0.29999995	2	1	0	0
## 670	0.20000005	0	3	0	0	0

## 679	0.20000005	0	2	1	0	0		
## 683	0.29999995	0	3	0	0	0		
## 687	0	0	3	0	0	0		
## 688	0	0	2	1	0	0		
## 691	0.10000002	0	2	1	0	0		
## 694	2	1.5	2	1	0	0		
## 696	0.29999995	0	3	0	0	0		
## 710	0.20000005	0	2	1	0	0		
## 712	0.89999998	0.39999998	2	1	0	0		
## 714	0.20000005	0	2	1	0	0		
## 717	0.20000005	0	3	0	0	0		
## 719	0	0	2	1	0	0		
## 722	0.29999995	0	2	1	0	0		
## 725	0	0	3	0	0	0		
## 729	0.10000002	0	2	1	0	0		
## 733	0.10000002	0	2	1	0	0		
## 740	0.5	0	2	1	0	0		
## 743	0.29999995	0	3	0	0	0		
## 746	0	0	3	0	0	0		
## 747	0	0	2	1	0	0		
## 749	0.20000005	0	3	0	0	0		
## 759	0	0	2	1	0	0		
## 763	0.29999995	0	2	1	0	0		
## 766	0.39999998	0	3	0	0	0		
## 776	0	0	2	1	0	0		
## 793	0.20000005	0	2	1	0	0		
## 795	0.10000002	0	2	1	0	0		
## 799	0	0	2	1	0	0		
## 802	0	0	2	1	0	0		
## 810	0	0	2	1	0	0		
## 818	0	0	2	1	0	0		
## 822	0	0	2	1	0	0		
## 823	0	0	2	1	0	0		
## 828	0.10000002	0	2	1	0	0		
## 835	0.39999998	0	2	1	0	0		
## 836	0.60000002	0.10000002	3	0	0	0		
## 841	0.20000005	0	2	1	0	0		
## 855	0	0	3	0	0	0		
## 856	0	0	3	0	0	0		
## 860	0.5	0	3	0	0	0		
## 861	0.29999995	0	2	1	0	0		
## 864	0.79999995	0.29999995	2	1	0	0		
## 886	0	0	2	1	0	0		
## 892	0	0	2	1	0	0		
## 898	0	0	2	1	0	0		
##	prcabg_r	copd_r	anydm_r	dmTx_r	dm3cat_r	dm3cat_21_r	dm3cat_22_r	iabppre_r
## 9	0	0	0	<NA>	1	0	0	0
## 15	0	0	0	<NA>	1	0	0	0
## 22	0	0	1	3	3	1	1	0
## 24	0	0	0	<NA>	1	0	0	0
## 31	0	0	0	<NA>	1	0	0	0
## 32	0	0	1	1	2	1	0	0
## 42	0	0	1	2	2	1	0	0
## 53	0	0	0	<NA>	1	0	0	0

## 61	0	0	1	2	2	1	0	0
## 63	0	0	1	2	2	1	0	0
## 64	0	0	1	2	2	1	0	0
## 66	0	0	0	<NA>	1	0	0	0
## 78	0	0	0	0	1	0	0	0
## 82	0	0	0	<NA>	1	0	0	0
## 84	0	0	0	<NA>	1	0	0	0
## 85	0	0	0	<NA>	1	0	0	0
## 86	0	0	1	2	2	1	0	0
## 104	0	1	1	3	3	1	1	0
## 106	0	0	0	<NA>	1	0	0	0
## 111	0	0	0	<NA>	1	0	0	0
## 114	0	0	0	0	1	0	0	0
## 115	0	0	0	<NA>	1	0	0	0
## 117	0	0	0	<NA>	1	0	0	0
## 130	0	0	0	0	1	0	0	0
## 133	0	1	1	2	2	1	0	0
## 135	0	0	1	1	2	1	0	0
## 138	0	0	1	2	2	1	0	0
## 143	0	1	0	<NA>	1	0	0	0
## 145	0	0	0	<NA>	1	0	0	0
## 152	0	0	0	<NA>	1	0	0	0
## 153	0	0	0	0	1	0	0	1
## 165	0	0	0	<NA>	1	0	0	0
## 173	0	0	0	<NA>	1	0	0	0
## 178	0	1	0	<NA>	1	0	0	0
## 182	0	0	0	<NA>	1	0	0	0
## 187	0	1	0	<NA>	1	0	0	0
## 189	0	1	0	<NA>	1	0	0	0
## 191	0	0	0	<NA>	1	0	0	0
## 192	0	0	1	2	2	1	0	0
## 197	0	0	1	2	2	1	0	0
## 201	0	0	0	0	1	0	0	0
## 207	0	0	0	<NA>	1	0	0	0
## 208	0	0	0	<NA>	1	0	0	0
## 213	0	0	1	3	3	1	1	0
## 219	0	0	0	0	1	0	0	0
## 221	0	0	1	2	2	1	0	1
## 235	0	0	0	<NA>	1	0	0	0
## 237	0	0	0	<NA>	1	0	0	0
## 240	0	1	0	<NA>	1	0	0	0
## 244	0	0	0	<NA>	1	0	0	0
## 245	0	0	0	0	1	0	0	0
## 247	0	0	0	<NA>	1	0	0	0
## 253	0	0	0	0	1	0	0	0
## 260	0	0	0	<NA>	1	0	0	0
## 263	0	0	0	<NA>	1	0	0	0
## 271	0	0	0	<NA>	1	0	0	0
## 274	0	0	0	<NA>	1	0	0	0
## 284	0	0	0	<NA>	1	0	0	0
## 288	0	0	0	<NA>	1	0	0	0
## 289	0	0	0	<NA>	1	0	0	0
## 294	0	0	1	2	2	1	0	1
## 296	0	0	0	<NA>	1	0	0	0

## 297	0	0	1	2	2	1	0	0
## 298	0	0	1	3	3	1	1	0
## 300	0	0	0	<NA>	1	0	0	0
## 301	0	0	0	<NA>	1	0	0	0
## 304	0	0	0	<NA>	1	0	0	0
## 307	0	0	0	<NA>	1	0	0	0
## 316	0	0	1	3	3	1	1	0
## 317	0	1	0	<NA>	1	0	0	0
## 320	0	1	1	3	3	1	1	0
## 321	0	0	1	0	2	1	0	0
## 326	0	0	1	1	2	1	0	0
## 330	0	0	0	<NA>	1	0	0	0
## 333	0	0	0	<NA>	1	0	0	0
## 334	0	0	0	<NA>	1	0	0	0
## 337	0	0	0	<NA>	1	0	0	0
## 338	0	0	0	<NA>	1	0	0	0
## 348	0	0	0	<NA>	1	0	0	0
## 353	0	0	0	<NA>	1	0	0	0
## 354	1	0	1	2	2	1	0	0
## 355	0	0	0	<NA>	1	0	0	0
## 356	0	0	0	<NA>	1	0	0	0
## 359	0	0	0	0	1	0	0	0
## 364	0	1	0	0	1	0	0	0
## 369	0	0	1	2	2	1	0	0
## 378	0	0	0	<NA>	1	0	0	0
## 381	0	0	1	3	3	1	1	0
## 386	0	0	0	0	1	0	0	0
## 388	0	0	1	2	2	1	0	0
## 392	0	0	1	2	2	1	0	0
## 394	0	1	1	2	2	1	0	0
## 396	0	0	0	<NA>	1	0	0	0
## 404	0	0	1	2	2	1	0	0
## 406	0	0	0	<NA>	1	0	0	0
## 408	0	0	0	<NA>	1	0	0	0
## 411	0	0	0	0	1	0	0	1
## 422	0	0	0	<NA>	1	0	0	0
## 423	0	0	0	<NA>	1	0	0	0
## 426	0	0	1	3	3	1	1	0
## 452	0	0	1	3	3	1	1	0
## 454	0	0	1	2	2	1	0	0
## 456	0	0	0	<NA>	1	0	0	0
## 458	0	0	1	2	2	1	0	0
## 468	0	0	0	<NA>	1	0	0	0
## 469	0	0	1	2	2	1	0	0
## 472	1	0	1	2	2	1	0	0
## 479	0	0	0	<NA>	1	0	0	0
## 485	0	0	1	0	2	1	0	0
## 488	0	1	1	2	2	1	0	0
## 490	0	0	1	2	2	1	0	0
## 495	0	1	1	0	2	1	0	0
## 498	0	0	1	2	2	1	0	0
## 501	0	0	1	3	3	1	1	0
## 502	0	0	0	<NA>	1	0	0	0
## 506	0	0	0	<NA>	1	0	0	0

## 515	0	0	1	2	2	1	0	0
## 517	0	0	0	<NA>	1	0	0	0
## 525	0	0	1	2	2	1	0	0
## 526	0	0	1	3	3	1	1	0
## 533	0	1	1	1	2	1	0	0
## 556	0	0	1	2	2	1	0	0
## 561	0	0	0	0	1	0	0	0
## 571	0	0	0	<NA>	1	0	0	0
## 572	0	0	0	<NA>	1	0	0	0
## 582	0	0	0	<NA>	1	0	0	0
## 592	0	0	1	3	3	1	1	0
## 598	0	0	0	<NA>	1	0	0	0
## 600	0	0	0	<NA>	1	0	0	0
## 607	0	1	1	2	2	1	0	0
## 612	0	0	1	2	2	1	0	0
## 622	0	0	1	3	3	1	1	0
## 627	0	0	1	3	3	1	1	0
## 630	0	0	1	2	2	1	0	0
## 635	0	0	1	2	2	1	0	0
## 640	0	0	0	<NA>	1	0	0	0
## 642	0	0	1	3	3	1	1	0
## 644	0	0	0	<NA>	1	0	0	0
## 645	0	0	0	<NA>	1	0	0	1
## 649	0	1	0	<NA>	1	0	0	0
## 657	0	0	0	0	1	0	0	0
## 662	0	0	0	<NA>	1	0	0	0
## 664	0	0	0	<NA>	1	0	0	0
## 667	0	0	0	<NA>	1	0	0	0
## 669	0	0	0	<NA>	1	0	0	1
## 670	0	0	1	2	2	1	0	0
## 679	0	0	1	2	2	1	0	0
## 683	0	0	0	0	1	0	0	0
## 687	0	0	1	2	2	1	0	0
## 688	0	1	0	<NA>	1	0	0	0
## 691	0	0	0	<NA>	1	0	0	0
## 694	0	1	1	1	2	1	0	0
## 696	0	0	0	<NA>	1	0	0	0
## 710	0	0	1	1	2	1	0	0
## 712	0	0	1	2	2	1	0	0
## 714	0	0	1	2	2	1	0	0
## 717	0	0	1	2	2	1	0	0
## 719	0	0	0	<NA>	1	0	0	0
## 722	0	0	0	0	1	0	0	1
## 725	0	0	0	<NA>	1	0	0	0
## 729	0	0	0	<NA>	1	0	0	0
## 733	0	0	1	3	3	1	1	0
## 740	0	0	0	<NA>	1	0	0	0
## 743	0	0	1	2	2	1	0	0
## 746	1	0	0	<NA>	1	0	0	0
## 747	0	0	0	<NA>	1	0	0	0
## 749	0	0	1	3	3	1	1	0
## 759	0	0	0	0	1	0	0	0
## 763	0	1	0	<NA>	1	0	0	1
## 766	0	0	1	2	2	1	0	0

## 776	0	0	0	<NA>	1	0	0	0
## 793	0	0	0	<NA>	1	0	0	0
## 795	1	1	0	<NA>	1	0	0	0
## 799	0	0	0	<NA>	1	0	0	0
## 802	0	0	0	<NA>	1	0	0	0
## 810	0	0	0	<NA>	1	0	0	0
## 818	0	0	0	0	1	0	0	0
## 822	0	0	1	2	2	1	0	0
## 823	0	0	1	2	2	1	0	0
## 828	0	0	0	<NA>	1	0	0	0
## 835	0	0	0	0	1	0	0	0
## 836	0	0	1	3	3	1	1	0
## 841	0	0	0	0	1	0	0	1
## 855	0	0	1	2	2	1	0	0
## 856	0	0	0	<NA>	1	0	0	0
## 860	0	0	1	3	3	1	1	0
## 861	0	0	1	3	3	1	1	0
## 864	0	0	1	2	2	1	0	0
## 886	0	0	0	<NA>	1	0	0	0
## 892	0	0	0	<NA>	1	0	0	0
## 898	0	0	0	0	1	0	0	0
##	anyvad_r	vad_r	hyper_r	hyperyn_2_r	prptca6_r	pci_ta_r	lm3cat_r	lm2cat_r
## 9	0	0	1	1	0	0	1	0
## 15	0	0	0	0	0	0	1	0
## 22	0	0	3	1	2	0	1	0
## 24	0	0	0	0	0	0	1	0
## 31	0	0	0	0	0	0	1	0
## 32	0	0	2	1	0	0	2	1
## 42	1	1	3	1	0	0	2	1
## 53	0	0	0	0	0	0	1	0
## 61	0	0	2	1	0	0	1	0
## 63	0	0	1	1	0	0	2	1
## 64	1	1	1	1	0	0	1	0
## 66	0	0	0	0	0	0	1	0
## 78	1	3	1	1	0	0	2	1
## 82	0	0	1	1	0	0	2	1
## 84	0	0	1	1	2	0	1	0
## 85	0	0	2	1	0	0	1	0
## 86	0	0	3	1	0	0	1	0
## 104	1	1	1	1	0	0	1	0
## 106	0	0	1	1	0	0	1	0
## 111	0	0	1	1	0	0	1	0
## 114	1	3	1	1	0	0	2	1
## 115	1	1	1	1	0	0	3	1
## 117	0	0	0	0	1	1	1	0
## 130	0	0	1	1	0	0	1	0
## 133	1	3	1	1	0	0	1	0
## 135	0	0	1	1	0	0	1	0
## 138	1	3	1	1	0	0	2	1
## 143	0	0	3	1	0	0	1	0
## 145	0	0	1	1	0	0	3	1
## 152	0	0	1	1	2	0	1	0
## 153	0	0	1	1	0	0	1	0
## 165	0	0	3	1	0	0	2	1

## 173	0	0	0	0	0	0	2	1
## 178	0	0	0	0	0	0	1	0
## 182	0	0	3	1	0	0	1	0
## 187	0	0	1	1	2	0	1	0
## 189	0	0	1	1	0	0	1	0
## 191	0	0	1	1	2	0	1	0
## 192	0	0	3	1	0	0	1	0
## 197	0	0	1	1	0	0	2	1
## 201	1	1	0	0	0	0	1	0
## 207	0	0	1	1	0	0	2	1
## 208	0	0	1	1	1	1	2	1
## 213	1	2	3	1	0	0	1	0
## 219	0	0	1	1	0	0	2	1
## 221	1	1	1	1	0	0	1	0
## 235	0	0	3	1	0	0	1	0
## 237	0	0	0	0	0	0	2	1
## 240	0	0	1	1	0	0	1	0
## 244	0	0	1	1	0	0	1	0
## 245	0	0	1	1	2	0	1	0
## 247	0	0	0	0	0	0	2	1
## 253	0	0	1	1	2	0	1	0
## 260	0	0	1	1	0	0	2	1
## 263	0	0	0	0	0	0	1	0
## 271	0	0	1	1	0	0	2	1
## 274	1	1	1	1	0	0	1	0
## 284	0	0	1	1	0	0	1	0
## 288	0	0	1	1	4	1	1	0
## 289	0	0	1	1	2	0	3	1
## 294	0	0	0	0	0	0	1	0
## 296	0	0	1	1	0	0	1	0
## 297	0	0	1	1	0	0	1	0
## 298	0	0	1	1	0	0	1	0
## 300	0	0	1	1	0	0	1	0
## 301	1	2	0	0	0	0	1	0
## 304	0	0	0	0	2	0	1	0
## 307	0	0	3	1	0	0	2	1
## 316	0	0	3	1	0	0	1	0
## 317	1	3	0	0	0	0	2	1
## 320	0	0	3	1	0	0	1	0
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## 326	0	0	1	1	0	0	1	0
## 330	1	1	1	1	0	0	1	0
## 333	1	1	1	1	0	0	2	1
## 334	0	0	0	0	2	0	2	1
## 337	0	0	1	1	4	1	1	0
## 338	0	0	1	1	0	0	2	1
## 348	0	0	1	1	0	0	2	1
## 353	0	0	3	1	0	0	2	1
## 354	0	0	3	1	0	0	1	0
## 355	0	0	0	0	0	0	2	1
## 356	0	0	1	1	0	0	2	1
## 359	1	1	1	1	0	0	1	0
## 364	1	2	1	1	2	0	2	1
## 369	0	0	0	0	0	0	2	1

## 378	0	0	1	1	0	0	2	1
## 381	0	0	1	1	0	0	1	0
## 386	1	2	0	0	2	0	1	0
## 388	1	2	1	1	2	0	1	0
## 392	0	0	1	1	0	0	1	0
## 394	0	0	1	1	0	0	1	0
## 396	0	0	1	1	0	0	3	1
## 404	1	1	3	1	0	0	1	0
## 406	0	0	3	1	0	0	1	0
## 408	0	0	3	1	0	0	2	1
## 411	0	0	0	0	2	0	1	0
## 422	1	3	1	1	0	0	2	1
## 423	1	4	2	1	2	0	2	1
## 426	1	1	1	1	0	0	1	0
## 452	1	3	1	1	0	0	2	1
## 454	0	0	1	1	0	0	1	0
## 456	0	0	3	1	0	0	2	1
## 458	0	0	0	0	0	0	2	1
## 468	1	3	0	0	0	0	2	1
## 469	0	0	1	1	0	0	1	0
## 472	0	0	1	1	2	0	3	1
## 479	0	0	3	1	0	0	2	1
## 485	0	0	1	1	0	0	1	0
## 488	0	0	1	1	0	0	1	0
## 490	1	3	1	1	0	0	2	1
## 495	0	0	0	0	0	0	1	0
## 498	0	0	3	1	0	0	1	0
## 501	1	1	1	1	0	0	2	1
## 502	0	0	3	1	0	0	1	0
## 506	0	0	3	1	0	0	2	1
## 515	0	0	1	1	0	0	1	0
## 517	0	0	0	0	0	0	1	0
## 525	0	0	3	1	2	0	1	0
## 526	0	0	3	1	0	0	1	0
## 533	1	1	1	1	0	0	1	0
## 556	0	0	1	1	0	0	1	0
## 561	0	0	1	1	0	0	1	0
## 571	0	0	1	1	0	0	2	1
## 572	0	0	0	0	0	0	2	1
## 582	1	1	1	1	0	0	1	0
## 592	0	0	1	1	2	0	1	0
## 598	0	0	1	1	0	0	1	0
## 600	1	1	1	1	0	0	2	1
## 607	1	3	3	1	0	0	1	0
## 612	1	1	1	1	0	0	2	1
## 622	1	2	1	1	2	0	1	0
## 627	0	0	3	1	0	0	1	0
## 630	0	0	1	1	0	0	1	0
## 635	1	2	1	1	0	0	1	0
## 640	0	0	1	1	0	0	1	0
## 642	1	2	1	1	0	0	1	0
## 644	0	0	3	1	0	0	1	0
## 645	0	0	3	1	2	0	1	0
## 649	0	0	1	1	0	0	1	0

## 657	0	0	1	1	0	0	1	0
## 662	0	0	3	1	0	0	1	0
## 664	0	0	1	1	0	0	1	0
## 667	1	5	1	1	0	0	1	0
## 669	0	0	0	0	0	0	1	0
## 670	0	0	0	0	0	0	1	0
## 679	0	0	1	1	0	0	1	0
## 683	0	0	1	1	1	1	2	1
## 687	0	0	1	1	0	0	1	0
## 688	1	4	1	1	0	0	1	0
## 691	1	2	1	1	0	0	2	1
## 694	1	1	3	1	2	0	2	1
## 696	1	1	1	1	0	0	1	0
## 710	0	0	3	1	0	0	1	0
## 712	1	2	3	1	0	0	1	0
## 714	1	2	3	1	0	0	2	1
## 717	1	1	1	1	0	0	1	0
## 719	0	0	0	0	0	0	1	0
## 722	0	0	1	1	0	0	2	1
## 725	0	0	1	1	2	0	1	0
## 729	0	0	2	1	0	0	1	0
## 733	0	0	1	1	0	0	1	0
## 740	0	0	1	1	0	0	1	0
## 743	0	0	1	1	0	0	1	0
## 746	1	2	0	0	0	0	1	0
## 747	1	2	1	1	2	0	1	0
## 749	1	1	1	1	2	0	1	0
## 759	0	0	1	1	0	0	2	1
## 763	0	0	3	1	0	0	3	1
## 766	0	0	1	1	0	0	1	0
## 776	0	0	0	0	0	0	1	0
## 793	0	0	0	0	0	0	1	0
## 795	0	0	1	1	4	1	1	0
## 799	0	0	3	1	0	0	1	0
## 802	1	5	1	1	2	0	2	1
## 810	0	0	1	1	2	0	2	1
## 818	0	0	1	1	0	0	2	1
## 822	1	2	0	0	0	0	1	0
## 823	0	0	1	1	0	0	1	0
## 828	1	1	1	1	0	0	2	1
## 835	1	5	1	1	0	0	1	0
## 836	0	0	1	1	0	0	1	0
## 841	1	1	1	1	0	0	3	1
## 855	1	3	1	1	0	0	2	1
## 856	1	3	1	1	0	0	1	0
## 860	1	2	1	1	0	0	1	0
## 861	1	2	1	1	0	0	1	0
## 864	0	0	3	1	0	0	1	0
## 886	0	0	3	1	0	0	1	0
## 892	1	2	1	1	0	0	3	1
## 898	0	0	0	0	0	0	2	1
##	aortic_insuff	aortic_insuff_r	aortic_sten	aortic_sten_r	chf_nyha_iv			
## 9	<NA>		0	<NA>	0		0	
## 15	0		0	0	0		0	

## 22	0	0	0	0	0
## 24	0	0	0	0	0
## 31	0	0	0	0	0
## 32	<NA>	0	<NA>	0	0
## 42	0	0	0	0	0
## 53	0	0	0	0	0
## 61	<NA>	0	<NA>	0	0
## 63	<NA>	0	<NA>	0	0
## 64	<NA>	0	<NA>	0	0
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## 78	<NA>	0	<NA>	0	0
## 82	<NA>	0	<NA>	0	0
## 84	<NA>	0	<NA>	0	0
## 85	<NA>	0	<NA>	0	0
## 86	0	0	0	0	0
## 104	<NA>	0	<NA>	0	0
## 106	0	0	0	0	0
## 111	<NA>	0	<NA>	0	0
## 114	<NA>	0	<NA>	0	0
## 115	<NA>	0	<NA>	0	0
## 117	<NA>	0	<NA>	0	0
## 130	<NA>	0	<NA>	0	0
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## 138	<NA>	0	<NA>	0	0
## 143	0	0	0	0	0
## 145	<NA>	0	<NA>	0	0
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## 165	0	0	0	0	0
## 173	<NA>	0	<NA>	0	0
## 178	<NA>	0	<NA>	0	0
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## 187	<NA>	0	<NA>	0	0
## 189	<NA>	0	<NA>	0	0
## 191	0	0	0	0	0
## 192	0	0	0	0	0
## 197	<NA>	0	<NA>	0	0
## 201	<NA>	0	<NA>	0	0
## 207	0	0	0	0	0
## 208	<NA>	0	<NA>	0	0
## 213	0	0	0	0	0
## 219	<NA>	0	<NA>	0	0
## 221	<NA>	0	<NA>	0	0
## 235	0	0	0	0	0
## 237	0	0	0	0	0
## 240	<NA>	0	<NA>	0	0
## 244	<NA>	0	<NA>	0	0
## 245	1	1	1	1	0
## 247	<NA>	0	<NA>	0	0
## 253	<NA>	0	<NA>	0	0
## 260	<NA>	0	<NA>	0	0
## 263	0	0	0	0	0
## 271	<NA>	0	<NA>	0	0

## 274	<NA>	0	<NA>	0	0
## 284	<NA>	0	<NA>	0	0
## 288	<NA>	0	<NA>	0	0
## 289	<NA>	0	<NA>	0	0
## 294	0	0	0	0	0
## 296	<NA>	0	<NA>	0	0
## 297	<NA>	0	<NA>	0	0
## 298	<NA>	0	<NA>	0	0
## 300	<NA>	0	<NA>	0	0
## 301	0	0	0	0	0
## 304	0	0	0	0	0
## 307	0	0	0	0	0
## 316	0	0	0	0	0
## 317	0	0	0	0	0
## 320	0	0	0	0	<NA>
## 321	<NA>	0	<NA>	0	<NA>
## 326	0	0	0	0	0
## 330	<NA>	0	<NA>	0	0
## 333	<NA>	0	<NA>	0	0
## 334	0	0	0	0	0
## 337	<NA>	0	<NA>	0	0
## 338	<NA>	0	<NA>	0	0
## 348	<NA>	0	<NA>	0	0
## 353	0	0	0	0	0
## 354	0	0	0	0	0
## 355	0	0	0	0	0
## 356	<NA>	0	<NA>	0	<NA>
## 359	<NA>	0	<NA>	0	0
## 364	<NA>	0	<NA>	0	0
## 369	<NA>	0	<NA>	0	0
## 378	<NA>	0	<NA>	0	0
## 381	<NA>	0	<NA>	0	0
## 386	<NA>	0	<NA>	0	0
## 388	<NA>	0	<NA>	0	0
## 392	<NA>	0	<NA>	0	0
## 394	<NA>	0	<NA>	0	0
## 396	<NA>	0	<NA>	0	0
## 404	0	0	0	0	0
## 406	0	0	0	0	0
## 408	0	0	0	0	0
## 411	<NA>	0	<NA>	0	0
## 422	<NA>	0	<NA>	0	0
## 423	<NA>	0	<NA>	0	0
## 426	<NA>	0	<NA>	0	0
## 452	<NA>	0	<NA>	0	0
## 454	<NA>	0	<NA>	0	0
## 456	0	0	0	0	0
## 458	0	0	0	0	0
## 468	<NA>	0	<NA>	0	0
## 469	<NA>	0	<NA>	0	0
## 472	0	0	0	0	0
## 479	0	0	0	0	0
## 485	<NA>	0	<NA>	0	0
## 488	<NA>	0	<NA>	0	0

## 490	<NA>	0	<NA>	0	0
## 495	<NA>	0	<NA>	0	0
## 498	0	0	0	0	0
## 501	<NA>	0	<NA>	0	0
## 502	0	0	0	0	0
## 506	0	0	0	0	0
## 515	<NA>	0	<NA>	0	0
## 517	<NA>	0	<NA>	0	0
## 525	0	0	0	0	0
## 526	0	0	0	0	0
## 533	<NA>	0	<NA>	0	0
## 556	0	0	0	0	0
## 561	<NA>	0	<NA>	0	0
## 571	<NA>	0	<NA>	0	0
## 572	<NA>	0	<NA>	0	0
## 582	<NA>	0	<NA>	0	<NA>
## 592	<NA>	0	<NA>	0	0
## 598	<NA>	0	<NA>	0	0
## 600	<NA>	0	<NA>	0	0
## 607	0	0	0	0	0
## 612	<NA>	0	<NA>	0	0
## 622	<NA>	0	<NA>	0	0
## 627	0	0	0	0	0
## 630	<NA>	0	<NA>	0	0
## 635	<NA>	0	<NA>	0	0
## 640	<NA>	0	<NA>	0	0
## 642	<NA>	0	<NA>	0	0
## 644	0	0	0	0	0
## 645	0	0	0	0	0
## 649	<NA>	0	<NA>	0	0
## 657	<NA>	0	<NA>	0	0
## 662	0	0	0	0	0
## 664	<NA>	0	<NA>	0	0
## 667	<NA>	0	<NA>	0	0
## 669	0	0	0	0	0
## 670	<NA>	0	1	1	0
## 679	<NA>	0	<NA>	0	0
## 683	<NA>	0	<NA>	0	0
## 687	<NA>	0	<NA>	0	0
## 688	<NA>	0	<NA>	0	0
## 691	<NA>	0	<NA>	0	1
## 694	0	0	0	0	0
## 696	<NA>	0	<NA>	0	0
## 710	0	0	0	0	0
## 712	0	0	0	0	1
## 714	0	0	0	0	0
## 717	<NA>	0	<NA>	0	0
## 719	<NA>	0	<NA>	0	0
## 722	<NA>	0	<NA>	0	0
## 725	<NA>	0	<NA>	0	0
## 729	<NA>	0	<NA>	0	0
## 733	<NA>	0	<NA>	0	0
## 740	0	0	0	0	0
## 743	<NA>	0	<NA>	0	0

## 746	<NA>	0	1	1	0		
## 747	<NA>	0	<NA>	0	0		
## 749	<NA>	0	<NA>	0	0		
## 759	<NA>	0	<NA>	0	0		
## 763	0	0	0	0	0		
## 766	<NA>	0	<NA>	0	<NA>		
## 776	0	0	0	0	0		
## 793	<NA>	0	<NA>	0	0		
## 795	<NA>	0	<NA>	0	0		
## 799	0	0	0	0	0		
## 802	<NA>	0	<NA>	0	0		
## 810	<NA>	0	<NA>	0	0		
## 818	<NA>	0	<NA>	0	0		
## 822	0	0	0	0	0		
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## 828	<NA>	0	<NA>	0	0		
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## 841	<NA>	0	<NA>	0	0		
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## 864	0	0	0	0	0		
## 886	0	0	0	0	0		
## 892	<NA>	0	<NA>	0	0		
## 898	<NA>	0	<NA>	0	0		
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## 15	0	0	0	0	0	0	18
## 22	0	0	0	0	0	0	16
## 24	0	0	0	0	0	0	17
## 31	0	0	0	0	0	0	17
## 32	1	0	1	0	0	0	17
## 42	0	0	0	0	1	1	17
## 53	0	0	0	0	0	0	17
## 61	0	0	0	0	0	0	17
## 63	<NA>	0	0	0	0	0	18
## 64	0	0	0	1	1	1	18
## 66	0	0	0	1	0	0	16
## 78	0	0	0	0	1	1	17
## 82	0	0	0	0	0	0	18
## 84	0	0	0	0	0	0	17
## 85	0	0	0	1	0	0	18
## 86	0	0	0	0	0	0	17
## 104	0	0	0	1	1	1	18
## 106	0	0	0	0	0	0	16
## 111	0	0	0	0	0	0	17
## 114	0	0	0	0	1	1	18
## 115	0	0	0	0	1	1	17
## 117	0	0	0	0	0	0	17
## 130	0	0	0	0	0	0	18
## 133	0	0	0	0	1	1	17
## 135	0	0	0	0	0	0	17

## 138	1	0	1	0	1	1	17
## 143	0	0	0	0	0	0	17
## 145	0	0	0	0	0	0	18
## 152	0	0	0	0	0	0	18
## 153	0	0	0	0	0	0	18
## 165	0	0	0	0	0	0	18
## 173	0	0	0	0	0	0	18
## 178	0	0	0	1	0	0	17
## 182	1	0	1	1	0	0	17
## 187	0	0	0	1	0	0	18
## 189	<NA>	0	0	0	0	0	17
## 191	0	0	0	1	0	0	18
## 192	0	0	0	0	0	0	17
## 197	0	0	0	1	0	0	17
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## 207	0	0	0	1	0	0	17
## 208	0	0	0	0	0	0	17
## 213	0	0	0	1	0	0	17
## 219	0	0	0	0	0	0	17
## 221	0	0	0	0	1	1	17
## 235	0	0	0	0	0	0	17
## 237	0	0	0	1	0	0	18
## 240	0	0	0	0	0	0	17
## 244	0	0	0	1	0	0	17
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## 253	0	0	0	0	0	0	18
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## 263	1	0	1	1	0	0	18
## 271	0	0	0	1	0	0	17
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## 284	0	0	0	1	0	0	16
## 288	0	0	0	0	0	0	17
## 289	0	0	0	0	0	0	18
## 294	0	0	0	1	0	0	18
## 296	0	0	0	0	0	0	17
## 297	0	0	0	0	0	0	16
## 298	0	0	0	0	0	0	17
## 300	0	0	0	1	0	0	18
## 301	0	0	0	0	0	0	16
## 304	0	0	0	0	0	0	17
## 307	0	0	0	0	0	0	16
## 316	0	0	0	0	0	0	18
## 317	0	0	0	1	1	1	18
## 320	0	0	0	1	0	0	18
## 321	0	0	0	0	1	1	17
## 326	0	0	0	0	0	0	17
## 330	0	0	0	0	1	1	18
## 333	0	0	0	0	1	1	16
## 334	0	0	0	0	0	0	17
## 337	0	0	0	0	0	0	17
## 338	0	0	0	0	0	0	17
## 348	0	0	0	0	0	0	17
## 353	0	0	0	1	0	0	18

## 354	0	0	0	0	0	0	17
## 355	0	0	0	1	0	0	17
## 356	0	0	0	1	0	0	17
## 359	0	0	0	1	1	1	17
## 364	0	0	0	0	0	0	18
## 369	0	0	0	0	0	0	17
## 378	0	0	0	1	0	0	18
## 381	0	0	0	0	0	0	17
## 386	0	0	0	0	0	0	17
## 388	0	0	0	1	0	0	16
## 392	0	0	0	1	0	0	17
## 394	0	0	0	0	0	0	19
## 396	0	0	0	0	0	0	17
## 404	0	0	0	0	1	1	17
## 406	0	0	0	0	0	0	18
## 408	0	0	0	0	0	0	16
## 411	0	0	0	0	0	0	17
## 422	0	0	0	1	1	1	17
## 423	0	0	0	1	0	0	16
## 426	0	0	0	0	1	1	17
## 452	0	0	0	0	1	1	17
## 454	0	0	0	0	0	0	16
## 456	0	0	0	0	0	0	17
## 458	0	0	0	0	0	0	18
## 468	0	0	0	0	1	1	16
## 469	0	0	0	0	0	0	17
## 472	0	0	0	0	0	0	16
## 479	0	0	0	0	0	0	17
## 485	0	0	0	0	0	0	18
## 488	0	0	0	0	0	0	17
## 490	0	0	0	0	1	1	16
## 495	0	0	0	1	0	0	17
## 498	0	0	0	0	0	0	17
## 501	0	0	0	0	1	1	17
## 502	0	0	0	0	0	0	17
## 506	0	0	0	0	0	0	18
## 515	0	0	0	0	0	0	17
## 517	0	0	0	1	0	0	17
## 525	0	0	0	0	0	0	18
## 526	0	0	0	0	0	0	16
## 533	0	0	0	0	1	1	17
## 556	0	0	0	0	0	0	18
## 561	0	0	0	0	0	0	17
## 571	0	0	0	0	0	0	17
## 572	0	0	0	0	0	0	16
## 582	0	0	0	0	1	1	17
## 592	0	0	0	0	0	0	17
## 598	0	0	0	0	0	0	17
## 600	0	0	0	1	1	1	16
## 607	0	0	0	0	1	1	17
## 612	0	0	0	0	1	1	17
## 622	0	0	0	0	0	0	18
## 627	0	0	0	0	0	0	16
## 630	1	0	1	1	0	0	17

## 635	0	0	0	0	0	0	16
## 640	0	0	0	0	0	0	15
## 642	0	0	0	1	0	0	18
## 644	0	0	0	0	0	0	17
## 645	1	0	1	1	0	0	18
## 649	0	0	0	1	0	0	17
## 657	0	0	0	0	0	0	17
## 662	0	0	0	0	0	0	17
## 664	0	0	0	0	0	0	18
## 667	0	0	0	0	0	0	16
## 669	1	0	1	0	0	0	17
## 670	0	0	0	0	0	0	17
## 679	0	0	0	0	0	0	18
## 683	0	0	0	0	0	0	16
## 687	0	0	0	1	0	0	16
## 688	<NA>	0	0	0	0	0	17
## 691	0	1	0	0	0	0	18
## 694	0	0	0	0	1	1	16
## 696	0	0	0	1	1	1	17
## 710	0	0	0	0	0	0	16
## 712	0	1	0	0	0	0	17
## 714	1	0	1	0	0	0	16
## 717	0	0	0	1	1	1	17
## 719	0	0	0	0	0	0	17
## 722	0	0	0	1	0	0	17
## 725	0	0	0	0	0	0	17
## 729	0	0	0	0	0	0	17
## 733	0	0	0	0	0	0	17
## 740	0	0	0	0	0	0	17
## 743	0	0	0	0	0	0	16
## 746	0	0	0	1	0	0	17
## 747	0	0	0	0	0	0	16
## 749	0	0	0	0	1	1	17
## 759	0	0	0	1	0	0	17
## 763	1	0	1	1	0	0	17
## 766	0	0	0	0	0	0	17
## 776	<NA>	0	0	0	0	0	18
## 793	0	0	0	0	0	0	18
## 795	0	0	0	0	0	0	17
## 799	0	0	0	1	0	0	18
## 802	0	0	0	0	0	0	18
## 810	0	0	0	0	0	0	17
## 818	0	0	0	0	0	0	17
## 822	0	0	0	0	0	0	19
## 823	0	0	0	0	0	0	17
## 828	0	0	0	0	1	1	18
## 835	0	0	0	1	0	0	18
## 836	0	0	0	0	0	0	16
## 841	0	0	0	0	1	1	16
## 855	0	0	0	1	1	1	18
## 856	0	0	0	1	1	1	16
## 860	0	0	0	0	0	0	18
## 861	1	0	1	0	0	0	17
## 864	0	0	0	0	0	0	18

## 886	0	0	0	0	0	0	17
## 892	0	0	0	1	0	0	16
## 898	0	0	0	0	0	0	17
##	htcm_r	htcm_d_r	mitral_insuff	mitral_insuff_r	carotid_sten		
## 9	175	17	<NA>	0	0		
## 15	182	18	0	0	<NA>		
## 22	164	16	0	0	<NA>		
## 24	173	17	0	0	<NA>		
## 31	177	17	0	0	<NA>		
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## 42	175	17	0	0	<NA>		
## 53	177	17	0	0	<NA>		
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## 63	184	18	<NA>	0	0		
## 64	185	18	<NA>	0	0		
## 66	162.60001	16	<NA>	0	0		
## 78	173	17	<NA>	0	1		
## 82	183	18	<NA>	0	0		
## 84	170	17	<NA>	0	0		
## 85	183	18	<NA>	0	0		
## 86	178	17	0	0	<NA>		
## 104	185	18	<NA>	0	0		
## 106	165	16	0	0	0		
## 111	178	17	<NA>	0	0		
## 114	183	18	<NA>	0	1		
## 115	173	17	<NA>	0	0		
## 117	178	17	<NA>	0	0		
## 130	180	18	<NA>	0	0		
## 133	172	17	<NA>	0	0		
## 135	175	17	<NA>	0	0		
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## 145	182	18	<NA>	0	0		
## 152	184	18	0	0	0		
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## 165	180	18	0	0	<NA>		
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## 178	173	17	<NA>	0	0		
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## 189	175	17	<NA>	0	0		
## 191	188.00999	18	0	0	0		
## 192	170	17	0	0	<NA>		
## 197	175	17	<NA>	0	0		
## 201	175	17	<NA>	0	1		
## 207	175.10001	17	0	0	0		
## 208	178	17	<NA>	0	0		
## 213	172	17	0	0	<NA>		
## 219	173	17	<NA>	0	0		
## 221	170	17	<NA>	0	1		
## 235	174	17	0	0	<NA>		
## 237	188	18	0	0	<NA>		
## 240	175	17	<NA>	0	0		
## 244	175	17	<NA>	0	0		

## 245	180	18	1	1	0
## 247	175	17	<NA>	0	0
## 253	183	18	<NA>	0	0
## 260	180	18	<NA>	0	0
## 263	185	18	0	0	<NA>
## 271	170	17	<NA>	0	0
## 274	178	17	<NA>	0	1
## 284	168	16	<NA>	0	0
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## 294	180	18	0	0	<NA>
## 296	170	17	<NA>	0	0
## 297	165	16	<NA>	0	0
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## 320	185	18	1	1	<NA>
## 321	177.8	17	<NA>	0	0
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## 333	160	16	<NA>	0	1
## 334	178	17	0	0	<NA>
## 337	170	17	<NA>	0	0
## 338	175	17	<NA>	0	0
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## 353	185	18	0	0	<NA>
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## 369	178	17	<NA>	0	0
## 378	185	18	<NA>	0	0
## 381	173	17	<NA>	0	0
## 386	178	17	<NA>	0	0
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## 404	175	17	0	0	<NA>
## 406	180	18	0	0	<NA>
## 408	169	16	0	0	<NA>
## 411	173	17	<NA>	0	0
## 422	172	17	<NA>	0	1
## 423	168	16	<NA>	0	0
## 426	178	17	<NA>	0	0
## 452	173	17	<NA>	0	0
## 454	167	16	<NA>	0	0
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## 458	185	18	0	0	<NA>

## 468	163	16	<NA>	0	1
## 469	173	17	<NA>	0	0
## 472	168.12	16	0	0	0
## 479	173	17	0	0	<NA>
## 485	180	18	<NA>	0	0
## 488	178	17	<NA>	0	0
## 490	168	16	<NA>	0	1
## 495	178	17	<NA>	0	0
## 498	177	17	0	0	<NA>
## 501	179	17	<NA>	0	1
## 502	177	17	0	0	<NA>
## 506	180	18	0	0	<NA>
## 515	173	17	<NA>	0	0
## 517	175	17	<NA>	0	0
## 525	182	18	0	0	<NA>
## 526	166	16	0	0	<NA>
## 533	170	17	<NA>	0	1
## 556	180.14	18	0	0	0
## 561	175	17	<NA>	0	1
## 571	170	17	<NA>	0	0
## 572	168	16	<NA>	0	0
## 582	176	17	<NA>	0	0
## 592	170	17	<NA>	0	0
## 598	178	17	<NA>	0	0
## 600	168	16	<NA>	0	1
## 607	174	17	0	0	<NA>
## 612	175	17	<NA>	0	0
## 622	180	18	<NA>	0	0
## 627	160	16	0	0	<NA>
## 630	173	17	1	1	1
## 635	167	16	<NA>	0	0
## 640	158	15	<NA>	0	0
## 642	183	18	<NA>	0	0
## 644	170	17	0	0	<NA>
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## 649	173	17	<NA>	0	0
## 657	178	17	<NA>	0	0
## 662	174	17	0	0	<NA>
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## 667	163	16	<NA>	0	0
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## 670	175	17	<NA>	0	0
## 679	183	18	<NA>	0	0
## 683	168	16	<NA>	0	0
## 687	168	16	<NA>	0	0
## 688	173	17	<NA>	0	0
## 691	183	18	<NA>	0	0
## 694	165	16	0	0	<NA>
## 696	178	17	<NA>	0	0
## 710	162	16	0	0	<NA>
## 712	170	17	0	0	<NA>
## 714	169	16	0	0	<NA>
## 717	175	17	<NA>	0	0
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## 722	170	17	<NA>	0	0	
## 725	173	17	<NA>	0	0	
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## 733	179	17	<NA>	0	0	
## 740	170.13	17	0	0	0	
## 743	168	16	<NA>	0	0	
## 746	177	17	<NA>	0	0	
## 747	165	16	<NA>	0	0	
## 749	170	17	<NA>	0	1	
## 759	173	17	<NA>	0	0	
## 763	173	17	0	0	<NA>	
## 766	175	17	<NA>	0	0	
## 776	185	18	0	0	<NA>	
## 793	180.34	18	<NA>	0	0	
## 795	170	17	<NA>	0	0	
## 799	183	18	0	0	<NA>	
## 802	183	18	<NA>	0	0	
## 810	175	17	<NA>	0	0	
## 818	175	17	<NA>	0	0	
## 822	190	19	0	0	<NA>	
## 823	175	17	<NA>	0	0	
## 828	180	18	<NA>	0	1	
## 835	180	18	<NA>	0	0	
## 836	165	16	<NA>	0	0	
## 841	165	16	<NA>	0	1	
## 855	183	18	<NA>	0	0	
## 856	168	16	<NA>	0	1	
## 860	185	18	<NA>	0	0	
## 861	170	17	1	1	0	
## 864	181	18	0	0	<NA>	
## 886	173	17	0	0	<NA>	
## 892	165	16	<NA>	0	0	
## 898	170	17	<NA>	0	0	
##	carotid_sten_r	pvd	pvd_r	tricuspid_insuff	tricuspid_insuff_r	bmi_squared
## 9		0	0	0	<NA>	0 583.8634
## 15		0	0	0	0	0 738.24323
## 22		0	0	0	0	0 331.90726
## 24		0	0	0	0	0 806.59113
## 31		0	0	0	0	0 900.24896
## 32		0	0	0	<NA>	0 1036.3832
## 42		0	0	0	0	0 1434.7089
## 53		0	0	0	0	0 771.16168
## 61		0	0	0	<NA>	0 1035.548
## 63		0	0	0	<NA>	0 1298.5192
## 64		0	0	0	<NA>	0 1398.7272
## 66		0	0	0	<NA>	0 429.61453
## 78		1	1	1	<NA>	0 603.10132
## 82		0	0	0	<NA>	0 629.15002
## 84		0	0	0	<NA>	0 747.23724
## 85		0	0	0	<NA>	0 909.57471
## 86		0	0	0	0	0 1294.5824
## 104		0	0	0	<NA>	0 588.12451
## 106		0	0	0	0	0 929.43799
## 111		0	0	0	<NA>	0 806.87268

## 114	1	1	1	<NA>	0	957.00708
## 115	0	0	0	<NA>	0	594.92377
## 117	0	0	0	<NA>	0	824.90277
## 130	0	0	0	<NA>	0	806.27954
## 133	0	1	1	<NA>	0	1259.6932
## 135	0	0	0	<NA>	0	716.92792
## 138	1	1	1	<NA>	0	627.96887
## 143	0	0	0	0	0	1126.543
## 145	0	0	0	<NA>	0	911.41138
## 152	0	0	0	0	0	452.26575
## 153	0	0	0	<NA>	0	737.69244
## 165	0	0	0	0	0	896.30011
## 173	0	0	0	<NA>	0	771.60492
## 178	0	0	0	<NA>	0	337.7077
## 182	0	0	0	0	0	864.13782
## 187	0	0	0	<NA>	0	891.65253
## 189	0	0	0	<NA>	0	583.8634
## 191	0	0	0	0	0	564.72217
## 192	0	0	0	0	0	1370.793
## 197	0	0	0	<NA>	0	716.92792
## 201	1	0	0	<NA>	0	974.45905
## 207	0	0	0	0	0	1053.1775
## 208	0	0	0	<NA>	0	447.16684
## 213	0	1	1	0	0	845.05139
## 219	0	0	0	<NA>	0	714.48901
## 221	1	0	0	<NA>	0	906.23914
## 235	0	0	0	0	0	943.55865
## 237	0	0	0	0	0	968.62122
## 240	0	0	0	<NA>	0	844.55475
## 244	0	0	0	<NA>	0	617.4718
## 245	0	0	0	<NA>	0	788.84698
## 247	0	0	0	<NA>	0	880.99933
## 253	0	0	0	<NA>	0	964.41138
## 260	0	0	0	<NA>	0	806.27954
## 263	0	0	0	0	0	1070.9005
## 271	0	0	0	<NA>	0	747.23724
## 274	1	0	0	<NA>	0	781.96521
## 284	0	0	0	<NA>	0	864.8067
## 288	0	0	0	<NA>	0	443.57516
## 289	0	0	0	<NA>	0	1338.036
## 294	0	0	0	0	0	1281.8168
## 296	0	0	0	<NA>	0	1066.9604
## 297	0	0	0	<NA>	0	2315.2976
## 298	0	0	0	<NA>	0	1556.4674
## 300	0	0	0	<NA>	0	1020.853
## 301	0	1	1	0	0	680.11273
## 304	0	0	0	0	0	806.20367
## 307	0	0	0	0	0	718.96863
## 316	0	0	0	0	0	1024.0619
## 317	0	1	1	0	0	433.92297
## 320	0	0	0	0	0	1602.3384
## 321	0	1	1	<NA>	0	808.70917
## 326	0	0	0	0	0	1297.3108
## 330	1	0	0	<NA>	0	816.6037

## 333	1	0	0	<NA>	0	1001.1292
## 334	0	0	0	0	0	606.05103
## 337	0	0	0	<NA>	0	638.04315
## 338	0	0	0	<NA>	0	615.85004
## 348	0	0	0	<NA>	0	375.55328
## 353	0	0	0	0	0	977.4187
## 354	0	0	0	0	0	967.0788
## 355	0	0	0	0	0	549.94556
## 356	0	0	0	<NA>	0	754.11884
## 359	0	0	0	<NA>	0	586.67877
## 364	1	1	1	<NA>	0	797.53943
## 369	0	0	0	<NA>	0	702.87573
## 378	0	0	0	<NA>	0	1579.0319
## 381	0	0	0	<NA>	0	884.29181
## 386	0	1	1	<NA>	0	677.99719
## 388	0	1	1	<NA>	0	1295.7356
## 392	0	0	0	<NA>	0	728.43958
## 394	0	0	0	<NA>	0	1086.6245
## 396	0	0	0	<NA>	0	736.74451
## 404	0	0	0	0	0	1337.4694
## 406	0	0	0	0	0	550.22101
## 408	0	0	0	0	0	1106.37
## 411	0	0	0	<NA>	0	1326.3818
## 422	1	1	1	<NA>	0	528.32849
## 423	0	0	0	<NA>	0	803.42041
## 426	0	0	0	<NA>	0	996.1391
## 452	0	1	1	<NA>	0	679.21112
## 454	0	0	0	<NA>	0	802.39514
## 456	0	0	0	0	0	714.48901
## 458	0	0	0	0	0	770.47809
## 468	1	1	1	<NA>	0	775.73438
## 469	0	0	0	<NA>	0	1278.1539
## 472	0	0	0	0	0	862.75592
## 479	0	0	0	0	0	1094.173
## 485	0	0	0	<NA>	0	640.52734
## 488	0	0	0	<NA>	0	1340.4048
## 490	1	1	1	<NA>	0	725.08691
## 495	0	0	0	<NA>	0	545.48578
## 498	0	0	0	0	0	1721.8434
## 501	1	0	0	<NA>	0	733.88385
## 502	0	0	0	0	0	788.99139
## 506	0	0	0	0	0	859.72034
## 515	0	0	0	<NA>	0	1375.5031
## 517	0	0	0	<NA>	0	838.87073
## 525	0	0	0	0	0	1082.8479
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## 533	1	0	0	<NA>	0	570.03625
## 556	0	0	0	0	0	912.40729
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## 571	0	0	0	<NA>	0	706.19849
## 572	0	0	0	<NA>	0	972.13867
## 582	0	0	0	<NA>	0	807.07642
## 592	0	0	0	<NA>	0	1870.787
## 598	0	0	0	<NA>	0	1632.0743

## 600	1	0	0	<NA>	0	501.41467
## 607	0	1	1	0	0	1442.7753
## 612	0	0	0	<NA>	0	1064.0911
## 622	0	1	1	<NA>	0	550.22101
## 627	0	0	0	0	0	1076.6602
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## 635	0	1	1	<NA>	0	629.98499
## 640	0	0	0	<NA>	0	1003.979
## 642	0	1	1	<NA>	0	1601.0513
## 644	0	0	0	0	0	844.81744
## 645	0	0	0	0	0	823.90259
## 649	0	0	0	<NA>	0	711.45569
## 657	0	0	0	<NA>	0	824.90277
## 662	0	0	0	0	0	489.72537
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## 667	0	0	0	<NA>	0	818.2326
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## 679	0	0	0	<NA>	0	1020.853
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## 687	0	0	0	<NA>	0	864.8067
## 688	0	0	0	<NA>	0	864.53174
## 691	0	1	1	<NA>	0	719.03217
## 694	0	0	0	0	0	1166.8905
## 696	0	0	0	<NA>	0	696.19763
## 710	0	0	0	0	0	1662.2927
## 712	0	1	1	0	0	1422.5165
## 714	0	1	1	0	0	517.94055
## 717	0	0	0	<NA>	0	1509.8776
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## 722	0	0	0	<NA>	0	747.23724
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## 729	0	0	0	<NA>	0	924.48181
## 733	0	0	0	<NA>	0	1317.49
## 740	0	0	0	0	0	726.40179
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## 746	0	1	1	<NA>	0	471.11264
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## 759	0	0	0	<NA>	0	743.35437
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## 776	0	0	0	0	0	676.22791
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## 795	0	0	0	<NA>	0	991.48718
## 799	0	0	0	0	0	2225.9214
## 802	0	0	0	<NA>	0	531.41064
## 810	0	0	0	<NA>	0	583.8634
## 818	0	0	0	<NA>	0	1175.5103
## 822	0	1	1	0	0	1014.8019
## 823	0	0	0	<NA>	0	982.63055
## 828	1	0	0	<NA>	0	535.83679
## 835	0	0	0	<NA>	0	521.64307
## 836	0	0	0	<NA>	0	878.64063

## 841	1	0	0	<NA>	0	605.63898	
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## 860	0	1	1	<NA>	0	1014.2992	
## 861	0	1	1	1	1	3339.1602	
## 864	0	0	0	0	0	858.67371	
## 886	0	0	0	0	0	1007.5411	
## 892	0	1	1	<NA>	0	605.63898	
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##	bmi_r	bmi_squared_r	novsl_r	readmit_1y_yn_state	anyakin	creatcat	lm50
## 9	24.163265	583.8634	2	0	0	0	0
## 15	27.170631	738.24323	2	0	0	0	0
## 22	18.218323	331.90729	3	1	1	0	0
## 24	28.400547	806.59106	1	0	0	0	0
## 31	30.00415	900.24902	2	0	0	0	0
## 32	32.192905	1036.3832	3	0	1	1	1
## 42	37.877552	1434.709	3	0	1	1	1
## 53	27.769798	771.16168	3	1	0	0	0
## 61	32.179932	1035.548	2	0	1	0	0
## 63	36.034973	1298.5193	3	1	0	0	1
## 64	37.399563	1398.7273	3	0	0	0	0
## 66	20.727144	429.6145	2	0	1	1	0
## 78	24.558121	603.10132	3	0	0	0	1
## 82	25.082863	629.15002	2	1	0	0	1
## 84	27.33564	747.23718	2	1	0	0	0
## 85	30.159157	909.57477	3	0	0	0	0
## 86	35.980305	1294.5823	2	0	0	0	0
## 104	24.251278	588.12445	3	1	1	0	0
## 106	30.486685	929.43793	1	0	0	0	0
## 111	28.405504	806.87268	2	1	0	0	0
## 114	30.935532	957.00714	2	0	1	0	1
## 115	24.391058	594.92371	2	0	0	0	1
## 117	28.721121	824.90277	2	0	1	0	0
## 130	28.395061	806.27954	2	0	1	0	0
## 133	35.492157	1259.6932	2	1	0	0	0
## 135	26.775511	716.92798	2	0	0	0	0
## 138	25.059307	627.96887	3	0	0	0	1
## 143	33.564014	1126.5431	3	0	0	0	0
## 145	30.18959	911.41138	2	0	1	1	1
## 152	21.266541	452.26575	1	0	0	0	0
## 153	27.160494	737.69244	3	0	0	0	0
## 165	29.938272	896.30017	3	0	0	0	1
## 173	27.777779	771.60498	3	0	0	0	1
## 178	18.376825	337.7077	3	1	0	0	0
## 182	29.396221	864.13782	3	0	1	1	0
## 187	29.860552	891.65253	2	0	0	0	0
## 189	24.163265	583.8634	1	0	0	0	0
## 191	23.763884	564.72217	3	0	0	0	0
## 192	37.024223	1370.7931	3	0	0	0	0
## 197	26.775511	716.92798	3	0	0	0	1
## 201	31.216326	974.45898	3	0	1	0	0
## 207	32.452698	1053.1776	3	1	0	0	1
## 208	21.14632	447.16687	3	0	0	0	1
## 213	29.069767	845.05133	3	0	0	0	0

## 219	26.729927	714.48901	2	0	1	0	1
## 221	30.103806	906.23914	2	1	1	0	0
## 235	30.7174	943.55865	3	1	0	0	0
## 237	31.122681	968.62128	3	0	1	0	1
## 240	29.061224	844.55475	2	0	0	0	0
## 244	24.84898	617.4718	2	1	0	0	0
## 245	28.08642	788.84698	1	0	0	0	0
## 247	29.681633	880.99933	2	0	0	0	1
## 253	31.054974	964.41138	3	0	1	1	0
## 260	28.395061	806.27954	3	0	0	0	1
## 263	32.724617	1070.9005	3	0	0	0	0
## 271	27.33564	747.23718	3	0	0	0	1
## 274	27.96364	781.96515	3	0	0	0	0
## 284	29.407597	864.80676	2	0	0	0	0
## 288	21.061224	443.57516	2	1	0	0	0
## 289	36.579174	1338.036	2	0	1	1	1
## 294	35.802467	1281.8167	2	0	0	0	0
## 296	32.66436	1066.9604	3	0	0	0	0
## 297	48.117538	2315.2976	3	0	1	0	0
## 298	39.452091	1556.4675	2	1	0	0	0
## 300	31.95079	1020.853	1	1	0	0	0
## 301	26.078972	680.11279	2	0	1	0	0
## 304	28.393726	806.20367	3	1	1	1	0
## 307	26.813591	718.96869	3	1	0	0	1
## 316	32.000965	1024.0618	3	0	1	1	0
## 317	20.830818	433.92297	2	0	0	0	1
## 320	40.029217	1602.3381	1	0	1	0	0
## 321	28.437813	808.70917	3	1	1	0	1
## 326	36.0182	1297.3107	1	0	0	0	0
## 330	28.576279	816.6037	3	1	1	1	0
## 333	31.640625	1001.1292	2	0	0	0	1
## 334	24.618103	606.05103	3	1	0	0	1
## 337	25.259516	638.04315	3	0	0	0	0
## 338	24.816326	615.85004	2	0	0	0	1
## 348	19.379198	375.55331	2	0	0	0	1
## 353	31.263697	977.4187	3	1	1	1	1
## 354	31.097891	967.0788	3	0	1	0	0
## 355	23.450918	549.94556	3	0	1	1	1
## 356	27.461224	754.11877	3	1	0	0	1
## 359	24.221453	586.67877	3	0	1	0	0
## 364	28.24074	797.53937	3	0	0	0	1
## 369	26.511805	702.87579	3	0	0	0	1
## 378	39.737034	1579.0319	2	1	1	2	1
## 381	29.737045	884.29187	2	1	0	0	0
## 386	26.03838	677.99719	1	0	0	0	0
## 388	35.996326	1295.7355	2	0	0	0	0
## 392	26.98962	728.43958	3	0	0	0	0
## 394	32.963989	1086.6246	3	0	0	0	0
## 396	27.143038	736.74451	3	0	0	0	1
## 404	36.57143	1337.4695	3	1	1	0	0
## 406	23.456791	550.22107	2	0	0	0	0
## 408	33.262142	1106.3701	2	0	0	0	1
## 411	36.419525	1326.3818	3	0	1	0	0
## 422	22.985397	528.32849	3	1	1	0	1

## 423	28.344671	803.42041	3	0	0	0	1
## 426	31.561672	996.13916	2	0	1	0	0
## 452	26.06168	679.21118	2	1	0	0	1
## 454	28.32658	802.39514	2	0	0	0	0
## 456	26.729927	714.48901	3	0	0	0	1
## 458	27.757486	770.47803	3	0	0	0	1
## 468	27.852009	775.73438	3	0	0	0	1
## 469	35.751278	1278.1539	2	1	1	0	0
## 472	29.372707	862.75592	3	0	0	0	1
## 479	33.078285	1094.173	2	0	0	0	1
## 485	25.308641	640.52734	3	0	0	0	0
## 488	36.611538	1340.4047	3	0	1	1	0
## 490	26.927437	725.08685	3	0	0	0	1
## 495	23.355637	545.48578	2	1	0	0	0
## 498	41.495102	1721.8435	1	0	0	0	0
## 501	27.09029	733.88379	3	0	0	0	1
## 502	28.088991	788.99146	2	1	1	1	0
## 506	29.320988	859.72034	2	0	0	0	1
## 515	37.087776	1375.5032	3	1	0	0	0
## 517	28.963264	838.87067	3	0	0	0	0
## 525	32.906654	1082.8479	3	0	0	0	0
## 526	35.926842	1290.7379	1	1	0	0	0
## 533	23.875433	570.03632	3	0	0	0	0
## 556	30.206079	912.40723	2	1	0	0	0
## 561	30.693878	942.11414	3	0	0	0	0
## 571	26.574396	706.19855	3	0	0	0	1
## 572	31.179138	972.13867	2	0	1	0	1
## 582	28.40909	807.07642	2	0	0	0	0
## 592	43.252594	1870.7869	3	1	0	0	0
## 598	40.398941	1632.0745	1	0	1	1	0
## 600	22.39229	501.41464	3	0	0	0	1
## 607	37.983883	1442.7754	1	0	1	1	0
## 612	32.620407	1064.0909	3	1	0	0	1
## 622	23.456791	550.22107	3	0	0	0	0
## 627	32.8125	1076.6602	3	0	1	2	0
## 630	32.075912	1028.8641	2	1	0	0	0
## 635	25.099501	629.98492	1	1	1	2	0
## 640	31.685627	1003.9789	2	0	0	0	0
## 642	40.013138	1601.0511	2	1	1	0	0
## 644	29.065744	844.8175	2	0	0	0	0
## 645	28.703703	823.90259	1	0	0	0	0
## 649	26.673126	711.45569	3	0	0	0	0
## 657	28.721121	824.90277	1	0	0	0	0
## 662	22.12974	489.72537	2	0	0	0	0
## 664	30.246914	914.87579	3	0	0	0	0
## 667	28.604765	818.2326	1	0	0	0	0
## 669	25.727554	661.90704	3	0	0	0	0
## 670	29.714285	882.93872	2	0	0	0	0
## 679	31.95079	1020.853	3	0	0	0	0
## 683	33.304989	1109.2223	2	0	0	0	1
## 687	29.407597	864.80676	2	0	0	0	0
## 688	29.40292	864.53168	2	0	1	1	0
## 691	26.814775	719.03217	3	1	0	0	1
## 694	34.159779	1166.8905	3	0	1	1	1

##	696	26.385557	696.19763	3				1	0	0	0		
##	710	40.771225	1662.2928	3				0	1	1	0		
##	712	37.716263	1422.5165	3				0	1	0	0		
##	714	22.758307	517.94049	3				0	0	0	1		
##	717	38.857143	1509.8776	3				1	1	0	0		
##	719	26.395803	696.73846	3				0	1	0	0		
##	722	27.33564	747.23718	2				0	0	0	1		
##	725	31.407665	986.44141	2				1	0	0	0		
##	729	30.405293	924.48181	3				0	0	0	0		
##	733	36.297245	1317.49	3				1	0	0	0		
##	740	26.951843	726.40186	2				0	0	0	0		
##	743	27.81321	773.57465	3				1	0	0	0		
##	746	21.70513	471.11264	3				0	0	0	0		
##	747	36.363636	1322.314	2				0	0	0	0		
##	749	30.103806	906.23914	2				1	0	0	0		
##	759	27.264526	743.35437	3				0	0	0	1		
##	763	28.400547	806.59106	3				0	1	3	1		
##	766	34.612244	1198.0074	3				0	1	0	0		
##	776	26.004383	676.22797	2				0	1	0	0		
##	793	25.336294	641.9278	2				0	0	0	0		
##	795	31.487888	991.48712	3				0	1	1	0		
##	799	47.179672	2225.9214	2				0	0	0	0		
##	802	23.052345	531.41064	3				1	0	0	1		
##	810	24.163265	583.8634	2				0	0	0	1		
##	818	34.285713	1175.5101	2				0	0	0	1		
##	822	31.855955	1014.8019	2				1	0	0	0		
##	823	31.346939	982.63062	2				0	0	0	0		
##	828	23.148148	535.83673	3				0	0	0	1		
##	835	22.839506	521.64307	3				1	1	1	0		
##	836	29.641872	878.64063	2				1	1	0	0		
##	841	24.609734	605.63898	3				1	1	0	1		
##	855	27.471706	754.69464	3				0	1	0	1		
##	856	26.218821	687.42657	3				1	0	0	0		
##	860	31.848064	1014.2992	1				0	0	0	0		
##	861	57.785465	3339.1599	3				1	1	2	0		
##	864	29.303135	858.67371	2				0	0	0	0		
##	886	31.741789	1007.5411	3				0	0	0	0		
##	892	24.609734	605.63898	2				0	0	0	1		
##	898	25.259516	638.04315	2				0	0	0	1		
##		anymssd	lowoutput	emerg	urg	elec	bmicat	bmi1	bmi2	bmi3	bmi4	bmi5	bmi6
##	9	0	0	0	1	0	2	0	1	0	0	0	0
##	15	0	0	0	1	0	3	0	0	1	0	0	0
##	22	0	0	0	1	0	1	1	0	0	0	0	0
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##	53	0	0	0	1	0	3	0	0	1	0	0	0
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##	64	0	0	0	0	1	5	0	0	0	0	1	0
##	66	0	0	0	1	0	2	0	1	0	0	0	0
##	78	0	0	0	0	1	2	0	1	0	0	0	0
##	82	0	0	0	0	1	3	0	0	1	0	0	0

## 84	0	0	0	1	0	3	0	0	1	0	0	0
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## 104	0	0	0	0	1	2	0	1	0	0	0	0
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## 114	0	0	0	0	1	4	0	0	0	1	0	0
## 115	0	0	1	0	0	2	0	1	0	0	0	0
## 117	0	0	0	1	0	3	0	0	1	0	0	0
## 130	0	0	0	1	0	3	0	0	1	0	0	0
## 133	0	0	0	0	1	5	0	0	0	0	1	0
## 135	0	0	0	0	1	3	0	0	1	0	0	0
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## 143	0	0	0	1	0	4	0	0	0	1	0	0
## 145	0	0	0	1	0	4	0	0	0	1	0	0
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## 173	0	0	0	1	0	3	0	0	1	0	0	0
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## 182	0	0	0	1	0	3	0	0	1	0	0	0
## 187	0	0	0	0	1	3	0	0	1	0	0	0
## 189	0	0	0	1	0	2	0	1	0	0	0	0
## 191	0	0	0	1	0	2	0	1	0	0	0	0
## 192	0	0	0	0	1	5	0	0	0	0	1	0
## 197	0	0	0	1	0	3	0	0	1	0	0	0
## 201	0	0	0	1	0	4	0	0	0	1	0	0
## 207	0	0	0	0	1	4	0	0	0	1	0	0
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## 219	0	0	0	1	0	3	0	0	1	0	0	0
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## 235	0	0	0	1	0	4	0	0	0	1	0	0
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## 244	0	0	0	1	0	2	0	1	0	0	0	0
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## 247	0	0	0	1	0	3	0	0	1	0	0	0
## 253	0	0	0	1	0	4	0	0	0	1	0	0
## 260	0	0	0	1	0	3	0	0	1	0	0	0
## 263	0	0	0	1	0	4	0	0	0	1	0	0
## 271	0	0	0	0	1	3	0	0	1	0	0	0
## 274	0	0	0	0	1	3	0	0	1	0	0	0
## 284	0	0	0	1	0	3	0	0	1	0	0	0
## 288	0	0	0	1	0	2	0	1	0	0	0	0
## 289	0	1	0	1	0	5	0	0	0	0	1	0
## 294	0	0	0	1	0	5	0	0	0	0	1	0
## 296	0	0	0	0	1	4	0	0	0	1	0	0
## 297	0	0	0	0	1	6	0	0	0	0	0	1
## 298	0	0	0	0	1	5	0	0	0	0	1	0
## 300	0	0	0	1	0	4	0	0	0	1	0	0
## 301	0	0	0	1	0	3	0	0	1	0	0	0
## 304	0	0	0	1	0	3	0	0	1	0	0	0
## 307	0	0	0	1	0	3	0	0	1	0	0	0

## 316	0	0	0	1	0	4	0	0	0	1	0	0
## 317	0	0	0	1	0	2	0	1	0	0	0	0
## 320	0	0	0	1	0	6	0	0	0	0	0	1
## 321	0	0	0	1	0	3	0	0	1	0	0	0
## 326	0	0	0	0	1	5	0	0	0	0	1	0
## 330	0	0	0	1	0	3	0	0	1	0	0	0
## 333	0	0	0	1	0	4	0	0	0	1	0	0
## 334	0	0	0	1	0	2	0	1	0	0	0	0
## 337	0	0	0	1	0	3	0	0	1	0	0	0
## 338	0	0	0	1	0	2	0	1	0	0	0	0
## 348	0	0	0	1	0	2	0	1	0	0	0	0
## 353	0	0	1	0	0	4	0	0	0	1	0	0
## 354	0	0	0	1	0	4	0	0	0	1	0	0
## 355	0	0	1	0	0	2	0	1	0	0	0	0
## 356	0	0	0	0	1	3	0	0	1	0	0	0
## 359	0	0	0	1	0	2	0	1	0	0	0	0
## 364	0	0	0	1	0	3	0	0	1	0	0	0
## 369	0	0	0	1	0	3	0	0	1	0	0	0
## 378	0	0	0	0	1	5	0	0	0	0	1	0
## 381	0	0	0	0	1	3	0	0	1	0	0	0
## 386	0	0	0	0	1	3	0	0	1	0	0	0
## 388	0	0	0	0	1	5	0	0	0	0	1	0
## 392	0	0	0	0	1	3	0	0	1	0	0	0
## 394	0	0	0	1	0	4	0	0	0	1	0	0
## 396	0	0	0	1	0	3	0	0	1	0	0	0
## 404	0	0	0	1	0	5	0	0	0	0	1	0
## 406	0	0	0	1	0	2	0	1	0	0	0	0
## 408	0	0	0	1	0	4	0	0	0	1	0	0
## 411	0	0	1	0	0	5	0	0	0	0	1	0
## 422	0	0	0	1	0	2	0	1	0	0	0	0
## 423	0	0	0	0	1	3	0	0	1	0	0	0
## 426	0	0	0	0	1	4	0	0	0	1	0	0
## 452	0	0	0	1	0	3	0	0	1	0	0	0
## 454	0	0	0	0	1	3	0	0	1	0	0	0
## 456	0	0	0	1	0	3	0	0	1	0	0	0
## 458	0	0	0	1	0	3	0	0	1	0	0	0
## 468	0	0	0	1	0	3	0	0	1	0	0	0
## 469	0	0	0	1	0	5	0	0	0	0	1	0
## 472	0	0	0	0	1	3	0	0	1	0	0	0
## 479	0	0	0	1	0	4	0	0	0	1	0	0
## 485	0	0	0	1	0	3	0	0	1	0	0	0
## 488	0	0	0	0	1	5	0	0	0	0	1	0
## 490	0	0	0	0	1	3	0	0	1	0	0	0
## 495	0	0	0	0	1	2	0	1	0	0	0	0
## 498	0	0	0	1	0	6	0	0	0	0	0	1
## 501	0	0	0	1	0	3	0	0	1	0	0	0
## 502	0	0	0	1	0	3	0	0	1	0	0	0
## 506	0	0	0	1	0	3	0	0	1	0	0	0
## 515	0	0	0	1	0	5	0	0	0	0	1	0
## 517	0	0	0	0	1	3	0	0	1	0	0	0
## 525	0	0	0	1	0	4	0	0	0	1	0	0
## 526	0	1	0	0	1	5	0	0	0	0	1	0
## 533	0	0	0	1	0	2	0	1	0	0	0	0
## 556	0	0	0	1	0	4	0	0	0	1	0	0

## 561	0	0	0	0	1	4	0	0	0	1	0	0
## 571	0	0	0	1	0	3	0	0	1	0	0	0
## 572	0	0	0	1	0	4	0	0	0	1	0	0
## 582	0	0	0	0	1	3	0	0	1	0	0	0
## 592	0	0	0	1	0	6	0	0	0	0	0	1
## 598	0	0	0	1	0	6	0	0	0	0	0	1
## 600	0	0	0	0	1	2	0	1	0	0	0	0
## 607	0	0	0	1	0	5	0	0	0	0	1	0
## 612	0	0	0	1	0	4	0	0	0	1	0	0
## 622	0	0	0	1	0	2	0	1	0	0	0	0
## 627	0	0	0	1	0	4	0	0	0	1	0	0
## 630	0	0	0	1	0	4	0	0	0	1	0	0
## 635	0	0	0	1	0	3	0	0	1	0	0	0
## 640	0	0	0	1	0	4	0	0	0	1	0	0
## 642	0	0	0	1	0	6	0	0	0	0	0	1
## 644	0	0	0	1	0	3	0	0	1	0	0	0
## 645	0	0	0	1	0	3	0	0	1	0	0	0
## 649	0	0	0	0	1	3	0	0	1	0	0	0
## 657	0	0	0	0	1	3	0	0	1	0	0	0
## 662	0	0	0	1	0	2	0	1	0	0	0	0
## 664	0	0	1	0	0	4	0	0	0	1	0	0
## 667	0	0	0	1	0	3	0	0	1	0	0	0
## 669	0	1	0	1	0	3	0	0	1	0	0	0
## 670	0	0	0	0	1	3	0	0	1	0	0	0
## 679	0	0	0	1	0	4	0	0	0	1	0	0
## 683	0	0	0	0	1	4	0	0	0	1	0	0
## 687	0	0	0	0	1	3	0	0	1	0	0	0
## 688	0	0	0	1	0	3	0	0	1	0	0	0
## 691	0	0	0	1	0	3	0	0	1	0	0	0
## 694	0	0	0	1	0	4	0	0	0	1	0	0
## 696	0	0	0	0	1	3	0	0	1	0	0	0
## 710	0	0	0	1	0	6	0	0	0	0	0	1
## 712	0	0	0	1	0	5	0	0	0	0	1	0
## 714	0	0	0	1	0	2	0	1	0	0	0	0
## 717	0	0	0	0	1	5	0	0	0	0	1	0
## 719	0	0	0	1	0	3	0	0	1	0	0	0
## 722	0	0	0	1	0	3	0	0	1	0	0	0
## 725	0	0	0	0	1	4	0	0	0	1	0	0
## 729	0	0	0	1	0	4	0	0	0	1	0	0
## 733	0	0	0	1	0	5	0	0	0	0	1	0
## 740	0	0	0	1	0	3	0	0	1	0	0	0
## 743	0	0	0	0	1	3	0	0	1	0	0	0
## 746	0	0	0	0	1	2	0	1	0	0	0	0
## 747	0	0	0	1	0	5	0	0	0	0	1	0
## 749	0	0	0	0	1	4	0	0	0	1	0	0
## 759	0	0	0	1	0	3	0	0	1	0	0	0
## 763	0	0	0	1	0	3	0	0	1	0	0	0
## 766	0	0	0	0	1	4	0	0	0	1	0	0
## 776	0	0	0	1	0	3	0	0	1	0	0	0
## 793	0	0	0	1	0	3	0	0	1	0	0	0
## 795	0	0	0	1	0	4	0	0	0	1	0	0
## 799	0	0	0	1	0	6	0	0	0	0	0	1
## 802	0	0	0	1	0	2	0	1	0	0	0	0
## 810	0	0	0	1	0	2	0	1	0	0	0	0

## 818	0	0	0	1	0	4	0	0	0	1	0	0
## 822	0	0	0	1	0	4	0	0	0	1	0	0
## 823	0	0	0	1	0	4	0	0	0	1	0	0
## 828	0	0	0	1	0	2	0	1	0	0	0	0
## 835	0	0	0	1	0	2	0	1	0	0	0	0
## 836	0	0	0	0	1	3	0	0	1	0	0	0
## 841	0	0	0	1	0	2	0	1	0	0	0	0
## 855	0	0	0	0	1	3	0	0	1	0	0	0
## 856	0	0	0	0	1	3	0	0	1	0	0	0
## 860	0	0	0	0	1	4	0	0	0	1	0	0
## 861	0	0	0	1	0	6	0	0	0	0	0	1
## 864	0	0	0	1	0	3	0	0	1	0	0	0
## 886	0	0	0	1	0	4	0	0	0	1	0	0
## 892	0	0	0	1	0	2	0	1	0	0	0	0
## 898	0	0	0	1	0	3	0	0	1	0	0	0
##	lvedpm	anemiapre	iabpintra	lof1	ptimenumban	ctimenumban	cardtimenumban					
## 9	0	1		0	0	29	11.333333			3.333333		
## 15	0	0		0	0	24.5	18			6		
## 22	0	0		0	0	27.5	16.25			5		
## 24	0	0		0	0	61.387001	38.656448			10.79235		
## 31	1	0		0	0	27.5	18			7		
## 32	0	1		0	0	20.200001	15.6			1.6		
## 42	1	1		0	0	57.333332	12			8.333333		
## 53	0	0		0	0	23.4	12.8			4.599999		
## 61	0	0		0	0	25	10			4.5		
## 63	0	1		0	0	32.5	16.75			7.25		
## 64	0	0		0	0	28.200001	16			4		
## 66	0	1		0	0	23	16.25			2.75		
## 78	1	0		0	0	24.4	19.799999			2		
## 82	0	0		0	0	17.333334	7.666666			7.666666		
## 84	0	1		0	0	22.333334	12.666667			4.666666		
## 85	0	0		0	0	17.25	6.5			3		
## 86	0	0		0	0	28	15.5			5		
## 104	0	1		0	0	23.6	16			2.8		
## 106	0	0		0	0	20.799999	15.6			2.400000		
## 111	0	0		0	0	38.666668	31			7.333333		
## 114	1	0		0	0	21	17			2		
## 115	0	0		0	0	28.75	23.75			4		
## 117	0	0		0	0	31.833334	21.166666			3.333333		
## 130	0	0		0	0	27	13.666667			0		
## 133	0	1		0	0	25.75	17.5			5.396174		
## 135	0	0		0	0	0	0			0		
## 138	0	1		0	0	37.75	9			4.25		
## 143	1	1		0	0	29.75	22.5			7		
## 145	0	0		0	0	31.200001	20.6			2		
## 152	0	1		0	0	19.75	16.5			4.25		
## 153	1	0		0	1	29	20.25			2.5		
## 165	0	0		0	0	25.75	18			6		
## 173	0	0		0	0	25	20.5			3.75		
## 178	0	1		0	0	23	12			5.396174		
## 182	1	0		0	0	37.75	31			6		
## 187	0	0		0	0	17.5	6.5			2.75		
## 189	0	0		0	0	35.666668	22			7.666666		
## 191	0	1		0	0	21.6	14.8			2.400000		

## 192	1	0	0	0	32.75	21	5
## 197	0	0	0	0	27.666666	15	4
## 201	0	1	0	0	43.5	38.5	3.25
## 207	0	0	0	0	0	0	0
## 208	0	1	0	0	27.5	20	3.5
## 213	1	1	0	0	29	18.4	6
## 219	1	0	0	0	48.333332	42	3.333333
## 221	0	0	0	0	32.5	22.25	3.75
## 235	1	0	0	0	22.75	13	5.3961749
## 237	0	1	0	0	40	9.6000004	4.3169398
## 240	0	1	0	0	26.333334	14	8.333333
## 244	0	0	0	0	61.387001	38.656448	0
## 245	0	0	0	0	71.333336	65	4
## 247	0	0	0	0	31.333334	21	5
## 253	0	1	0	0	24.75	16.25	3.75
## 260	1	0	0	0	29	21.666666	2.6666667
## 263	1	0	0	0	22	18.5	5.5
## 271	0	0	0	0	27	17	2.6666667
## 274	1	1	0	0	33	18.333334	8.333333
## 284	0	0	0	0	18.5	13.25	5.5
## 288	1	1	0	0	30.666666	16.333334	5.3333335
## 289	1	0	0	1	74	51.333332	4
## 294	1	0	0	0	25.6	14	5.5999999
## 296	0	0	0	0	24.666666	17	3
## 297	0	0	0	0	30.666666	20.333334	7.6666665
## 298	0	1	0	0	32.5	14.75	6.25
## 300	0	1	0	0	45	23	21.5847
## 301	0	0	0	0	61.387001	38.656448	10.79235
## 304	0	0	0	0	25.75	13.25	5.3961749
## 307	0	0	0	0	24.333334	25.770967	7.1949
## 316	0	0	0	0	22.200001	15	5
## 317	1	0	0	0	30.333334	25.770967	7.1949
## 320	0	1	0	0	71.666664	48.333332	7.3333335
## 321	1	1	0	0	29.5	19.75	3
## 326	0	0	0	0	20.428572	17.142857	2.8571429
## 330	0	0	0	0	33.5	22.5	4.5
## 333	0	1	0	0	28.4	24.4	3
## 334	1	0	0	0	38.333332	24.333334	9.333333
## 337	1	0	0	0	26.25	14.5	5.3961749
## 338	0	0	0	0	27.333334	15	7.1949
## 348	0	0	0	0	43.333332	29.333334	5.6666665
## 353	0	1	0	0	31.5	16.75	5.75
## 354	0	0	0	0	71	77.312897	21.5847
## 355	1	0	0	0	66	33.333332	8.333333
## 356	0	1	0	0	49.5	34.5	11.5
## 359	0	0	0	0	32	19.666666	5.3333335
## 364	0	0	0	0	34.666668	25	3.3333333
## 369	1	1	0	0	20.5	17.5	2.5
## 378	0	0	0	0	27.5	16.5	10.79235
## 381	0	1	0	0	24	18.5	5.5
## 386	1	0	0	0	22.5	15.5	6
## 388	1	0	0	0	24.333334	13	10
## 392	0	0	0	0	26.25	16.25	2.5
## 394	0	0	0	0	26.25	14.5	5.3961749

## 396	0	0	0	0	28	20.75	3
## 404	0	1	0	0	26	14.4	4
## 406	1	0	0	0	26	20.75	6.5
## 408	0	1	0	0	21.799999	12.8	4
## 411	1	0	0	0	27.5	22.5	5.3961749
## 422	0	1	0	0	30.666666	18.333334	7.1949
## 423	0	0	0	0	19.75	7.25	3
## 426	1	1	0	0	28.25	17.5	2.5
## 452	0	1	0	0	40.666668	31	7.3333335
## 454	0	0	0	0	23.5	18.75	4.2750001
## 456	0	0	0	0	25	20	6.75
## 458	1	0	0	0	34.333332	26.333334	6
## 468	0	0	0	0	35.5	23	10
## 469	0	0	0	0	35.5	19	3.75
## 472	0	1	0	0	48.333332	25	7.1949
## 479	1	0	0	0	18.75	11.25	5.3961749
## 485	0	0	0	0	34.333332	22	7.6666665
## 488	0	1	0	0	26.25	15	3.25
## 490	1	0	0	0	17.75	12	3.5
## 495	0	0	0	0	42	26	8
## 498	0	0	0	0	0	0	0
## 501	1	1	0	0	0	0	0
## 502	1	1	0	0	41.25	13.25	249.75
## 506	1	0	0	0	31	38.656448	10.79235
## 515	0	1	0	0	25.75	19.75	3.5
## 517	0	0	0	0	26.5	18	4
## 525	0	1	0	0	20.799999	12.4	4.3169398
## 526	1	1	0	1	31	16.5	4
## 533	0	1	0	0	25.25	19.25	2.5
## 556	1	0	0	0	19	13.2	2
## 561	1	0	0	0	18.4	14.6	2.8
## 571	1	1	0	0	29.5	23	8.5
## 572	0	0	0	0	37	24.333334	8.666667
## 582	0	0	0	0	27.5	9	6.5
## 592	0	1	0	0	23.25	18	6.25
## 598	0	0	0	0	30.333334	18	8.333333
## 600	0	0	0	0	31	21.333334	5.6666665
## 607	0	0	0	0	69	22	7.1949
## 612	0	1	0	0	21.6	12	3.5999999
## 622	0	1	0	0	25.200001	18.799999	3.2199981
## 627	1	1	0	0	35.333332	21.333334	6
## 630	0	0	0	0	49.333332	37	3.3333333
## 635	0	1	0	0	86.333336	70.666664	4
## 640	0	0	0	0	23.333334	13.333333	7.1949
## 642	0	0	0	0	43	25	8.5
## 644	0	0	0	0	25	14.666667	7.6666665
## 645	0	0	0	0	55	27.5	8.5
## 649	0	0	0	0	27.333334	16	10
## 657	0	0	0	0	19.75	14.75	3.25
## 662	0	0	0	0	26.200001	14.4	3.4000001
## 664	1	0	0	0	27.5	15	3.75
## 667	1	0	0	0	35.5	19.75	6.25
## 669	1	0	0	1	29.333334	21.333334	5.6666665
## 670	0	0	0	0	34.5	22.75	5.5

## 679	0	0	0	0	26.5	16.75	3.75	
## 683	0	0	0	0	39	25	11.5	
## 687	0	0	0	0	27.75	14.25	3.5	
## 688	1	1	0	0	27.666666	8.666667	7	
## 691	0	1	0	0	26.666666	16.666666	6	
## 694	1	1	0	0	61.387001	38.656448	10.79235	
## 696	0	1	0	0	22.799999	16.6	1.8	
## 710	0	0	0	0	25.4	15.6	3.5999999	
## 712	1	1	0	0	27.75	15.25	5.3961749	
## 714	0	1	0	0	21.200001	14.6	4.8000002	
## 717	0	0	0	0	29.75	20	3	
## 719	0	1	0	0	18.799999	24	2.4000001	
## 722	0	1	0	0	19.5	14.333333	1.6666666	
## 725	0	0	0	0	44.333332	16.333334	5	
## 729	0	1	0	0	37.75	24	2.75	
## 733	0	1	0	0	25.333334	20.666666	5	
## 740	1	0	0	0	20.333334	17	3.3333333	
## 743	0	0	0	0	19.5	11.75	5.3961749	
## 746	1	0	0	0	<NA>	<NA>	<NA>	
## 747	0	1	0	0	23.75	16.75	3.25	
## 749	1	0	0	0	24.333334	17	3.3333333	
## 759	1	0	0	0	30.666666	23	3.3333333	
## 763	1	0	0	0	30	15.2	4.4000001	
## 766	0	1	0	0	41.333332	26.666666	8.666667	
## 776	1	0	0	0	55	22	7.75	
## 793	0	0	0	0	0	0	0	
## 795	0	1	0	0	89	24	20	
## 799	1	1	0	0	<NA>	<NA>	<NA>	
## 802	0	0	0	0	33	20.333334	11	
## 810	0	0	0	0	15.333333	6	4.6666665	
## 818	1	0	0	0	22.666666	16	4.6999998	
## 822	0	1	0	0	26.25	14.75	5.3961749	
## 823	0	0	0	0	40.666668	31.333334	3.3333333	
## 828	0	0	0	0	38.75	19.25	3	
## 835	0	0	0	0	22.333334	15.333333	1.3333334	
## 836	0	1	0	0	44	32	6	
## 841	1	1	0	0	0	0	0	
## 855	1	1	0	0	32	23	3.5	
## 856	0	1	0	0	24	16.666666	2.3333333	
## 860	0	0	0	0	0	0	0	
## 861	0	1	0	0	56.5	40	2.5	
## 864	1	1	0	0	28.5	16.5	5	
## 886	1	1	0	0	22.4	14	4.5999999	
## 892	0	0	0	0	25	14	10	
## 898	1	0	0	0	25.333334	19.333334	4.6666665	
##	cardblood	cardcold	hotshot	aoxcon	ultrafilyn	cabg valve	cabgvalve	gfr60pre
## 9	1	1	0	0	1	1	0	0
## 15	1	0	1	0	0	1	0	0
## 22	1	1	1	0	0	1	0	0
## 24	0	1	0	0	0	1	0	0
## 31	0	1	1	0	0	1	0	0
## 32	1	0	1	1	0	1	0	0
## 42	0	1	1	0	0	1	0	0
## 53	1	0	1	0	0	1	0	0

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## 63	1	1	0	0	0	1	0	0	0
## 64	1	1	0	0	0	1	0	0	0
## 66	1	0	1	1	1	1	0	0	0
## 78	1	1	1	1	0	1	0	0	0
## 82	1	1	0	0	0	1	0	0	0
## 84	1	0	1	0	0	1	0	0	0
## 85	1	1	1	0	1	1	0	0	0
## 86	1	0	1	0	0	1	0	0	0
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## 106	1	0	0	1	0	1	0	0	0
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## 145	1	0	1	1	0	1	0	0	0
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## 165	1	0	1	0	0	1	0	0	0
## 173	1	0	1	1	0	1	0	0	0
## 178	0	1	0	0	0	1	0	0	0
## 182	1	0	1	1	0	1	0	0	0
## 187	1	1	1	0	0	1	0	0	0
## 189	1	0	1	0	0	1	0	0	1
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## 201	1	1	1	0	1	1	0	0	0
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## 289	1	0	1	1	1	1	0	0	0
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## 348	1	0	1	0	0	1	0	0	0
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## 485	1	0	1	0	0	1	0	0	0
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## 495	1	0	1	0	0	1	0	0	0
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## 501	0	0	0	0	0	1	0	0	1
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## 836	1	0	1	0	0	1	0	0	1
## 841	0	0	0	0	0	1	0	0	0
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## 856	1	0	1	1	0	1	0	0	0
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## 861	1	1	0	0	1	0	0	1	0
## 864	1	0	1	0	0	1	0	0	1
## 886	1	0	1	0	0	1	0	0	0
## 892	1	1	1	0	0	1	0	0	0
## 898	1	1	0	0	0	1	0	0	0
##	male	notcoldcard	fluidprel	ptime120	heptotl	heptot5	tcys0	cyspre3cat	
## 9	1	0	1.5	0	6.3000002	0	2	2	
## 15	1	1	1	0	46.400002	0	1	1	
## 22	1	0	0.80000001	0	30	0	1	1	
## 24	1	0	0	1	49.359901	0	<NA>	<NA>	
## 31	1	0	1.25	0	47.599998	0	<NA>	<NA>	
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## 53	1	1	0.89999998	0	64.400002	1	2	1	
## 61	1	0	1.5	0	5	0	3	3	
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## 78	1	0	0.69999999	1	35	0	1	1	
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## 85	1	0	0.80000001	0	5	0	1	1	
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## 104	1	1	1.6	0	48	0	3	3	
## 106	1	1	0.0027600001	0	45	0	1	1	
## 111	1	1	0.89999998	0	41	0	2	2	
## 114	1	0	1.825	0	40	0	2	2	
## 115	1	1	1.4	0	37	0	3	3	
## 117	1	1	2	1	60	1	2	2	
## 130	1	1	0	0	49.359901	0	1	1	
## 133	1	1	1.5	0	4	0	2	2	
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## 143	1	1	1	0	48.900002	0	2	2	
## 145	1	1	1.3	1	45	0	2	2	
## 152	1	1	1	0	46	0	1	1	
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## 165	1	1	1.2	0	49.099998	0	2	2	

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## 187	1	0	1	0	49	0	2	2
## 189	1	1	0.80000001	0	37	0	2	2
## 191	1	1	1	0	50	1	1	1
## 192	1	1	1.25	1	52.799999	1	2	2
## 197	1	1	1.2	0	35	0	1	1
## 201	1	0	0	1	63	1	3	3
## 207	1	1	0	0	10	0	2	2
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## 213	1	1	1.4	1	54.400002	1	2	2
## 219	1	0	1.3	1	35	0	2	2
## 221	1	0	1	1	40	0	<NA>	<NA>
## 235	1	1	1.5	0	47.400002	0	2	2
## 237	1	1	1.6	1	69	1	2	2
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## 244	1	1	0	1	33	0	2	2
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## 284	1	0	1.3	0	29	0	2	2
## 288	1	1	1.2	0	35	0	1	1
## 289	1	1	2	1	11.6	0	2	2
## 294	1	0	2.2	1	56.400002	1	1	1
## 296	1	1	1.2	0	35	0	2	2
## 297	1	1	1.5	0	79	1	1	1
## 298	1	1	1.2	1	65	1	3	3
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## 301	1	0	0	1	49.359901	0	1	1
## 304	1	1	1.2	0	43	0	3	3
## 307	1	0	1.3	0	39.200001	0	1	1
## 316	1	1	1	0	62.299999	1	2	2
## 317	1	0	0.69999999	0	37.599998	0	3	3
## 320	1	1	1.4	1	71	1	3	3
## 321	1	1	2	0	3	0	3	3
## 326	1	1	1.6	1	62	1	2	2
## 330	1	1	0.30000001	1	50	1	2	2
## 333	1	1	1	1	38	0	3	3
## 334	1	1	0.60000002	0	41.200001	0	1	1
## 337	1	1	0	0	49.359901	0	2	2
## 338	1	0	0	0	49.359901	0	2	2
## 348	1	1	0.89999998	1	38	0	2	2
## 353	1	1	0.80000001	1	52.799999	1	3	3
## 354	1	1	1.4	0	46	0	3	3
## 355	1	1	1.8	1	45.5	0	3	3
## 356	1	1	0.5	0	36	0	3	3
## 359	1	1	0.30000001	0	36	0	3	3
## 364	1	0	1.3	0	42	0	<NA>	<NA>
## 369	1	0	0.2	0	34	0	2	2

## 378	1	1	0	0 49.359901	0	3	3
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## 386	1	0	1	0 33	0	3	3
## 388	1	1	1.5	0 35	0	2	2
## 392	1	0	0.69999999	0 35	0 <NA>	<NA>	
## 394	1	0	1.8	0 47	0	3	2
## 396	1	1	0	0 2.9000001	0	1	1
## 404	1	1	1.2	1 55.799999	1	2	2
## 406	1	1	0.89999998	0 50.599998	1	1	1
## 408	1	1	0.89999998	0 48	0	3	3
## 411	1	1	0.30000001	0 59	1	1	1
## 422	1	1	1	0 35	0	3	3
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## 469	1	1	1.2	1 42	0	1	1
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## 479	1	1	1.9	0 49.799999	0	1	1
## 485	1	1	0.89999998	0 40	0	1	1
## 488	1	1	1.2	0 50	1	1	1
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## 495	1	1	0.89999998	0 32	0	1	1
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## 502	1	1	2.26	1 55.200001	1	2	2
## 506	1	0	1.4	0 48.200001	0	1	1
## 515	1	1	1.1	0 89	1	2	2
## 517	1	1	0.30000001	0 45	0	2	2
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## 533	1	0	1.41	0 38	0	2	2
## 556	1	1	1.5	0 56	1	3	3
## 561	1	0	0.69999999	0 45	0	1	1
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## 572	1	1	0.5	0 43	0	1	1
## 582	1	0	0.30000001	0 45	0	2	2
## 592	1	1	1.5	0 63	1	3	3
## 598	1	0	1.2	0 50	1	2	2
## 600	1	1	0.69999999	0 34	0	1	1
## 607	1	1	2	1 96	1	3	3
## 612	1	0	0.80000001	0 3.5	0	3	3
## 622	1	0	0.5	1 35	0	1	1
## 627	1	1	1.6	0 43.799999	0	3	3
## 630	1	0	1.8	1 48	0	3	3
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## 657	1	0	1.75	0	36	0	2	2
## 662	1	0	1.2	1	37	0	1	1
## 664	1	1	1.5	0	40	0	1	1
## 667	1	0	1.2	1	5.3000002	0	3	3
## 669	1	1	1.5	1	45.900002	0	2	2
## 670	1	1	1.5	1	38	0	<NA>	<NA>
## 679	1	1	0.5	0	48	0	2	2
## 683	1	1	1	0	38	0	1	1
## 687	1	1	2.2	0	2.3	0	2	2
## 688	1	0	0.30000001	0	4.4000001	0	2	2
## 691	1	1	0.60000002	0	47	0	3	3
## 694	1	0	0	1	49.359901	0	3	3
## 696	1	1	2	0	37	0	3	3
## 710	1	1	1.2	1	63.200001	1	1	1
## 712	1	1	1.4	0	53.900002	1	3	3
## 714	1	1	1	0	36	0	3	3
## 717	1	1	1	0	76	1	3	3
## 719	1	1	1.1	0	77	1	2	2
## 722	1	0	1	0	37	0	<NA>	<NA>
## 725	1	0	0.5	1	53	1	2	2
## 729	1	1	1.3	1	92	1	2	2
## 733	1	1	0.69999999	0	62	1	2	2
## 740	1	1	1.65	0	46	0	3	3
## 743	1	1	0	0	49.359901	0	3	3
## 746	1	0	1.9	0	2.5999999	0	<NA>	<NA>
## 747	1	1	2	0	40	0	2	2
## 749	1	0	1.3	0	40	0	2	2
## 759	1	0	0.40000001	0	44.5	0	1	1
## 763	1	1	1.525	1	44.200001	0	3	3
## 766	1	1	1.5	1	52	1	3	3
## 776	1	0	1.4	1	45.599998	0	2	2
## 793	1	1	0	0	49.359901	0	1	1
## 795	1	1	0	0	32	0	3	2
## 799	1	0	0	1	49.359901	0	3	3
## 802	1	1	0	0	34	0	3	3
## 810	1	0	0.80000001	0	40	0	2	2
## 818	1	0	0.80000001	0	47	0	1	1
## 822	1	1	1.8	0	56	1	1	1
## 823	1	0	0.80000001	1	56	1	<NA>	<NA>
## 828	1	1	1.2	1	55	1	1	1
## 835	1	0	0.69999999	0	35	0	3	3
## 836	1	1	0.80000001	1	40	0	3	3
## 841	1	1	0	0	49.359901	0	<NA>	<NA>
## 855	1	0	0.5	1	40	0	<NA>	<NA>
## 856	1	1	0.5	0	43	0	3	3
## 860	1	1	0	0	49.359901	0	3	3
## 861	1	0	1.4	1	70	1	1	1
## 864	1	1	1	0	48.599998	0	3	3
## 886	1	1	0.60000002	0	53	1	1	1
## 892	1	0	0	0	2.5999999	0	2	2
## 898	1	0	1.75	0	40	0	1	1
##	i_cyspre3cat1	i_cyspre3cat2	i_cyspre3cat3	logcys0	tcys1	cyspost3cat		
## 9	0	1	0	-0.23872304	<NA>	<NA>		
## 15	1	0	0	-0.35708645	3	3		

## 22	1	0	0	-0.57818949	2	2
## 24	<NA>	<NA>	<NA>	<NA>	<NA>	<NA>
## 31	<NA>	<NA>	<NA>	<NA>	2	2
## 32	1	0	0	-0.42451951	2	2
## 42	0	0	1	-0.063501194	3	3
## 53	1	0	0	-0.32874161	2	2
## 61	0	0	1	-0.028385071	<NA>	<NA>
## 63	0	0	1	0.12618321	3	3
## 64	<NA>	<NA>	<NA>	<NA>	3	3
## 66	1	0	0	-0.46098521	2	2
## 78	1	0	0	-0.42116776	1	1
## 82	1	0	0	-0.34619153	2	2
## 84	0	1	0	-0.12942213	<NA>	<NA>
## 85	1	0	0	-0.41421327	2	2
## 86	1	0	0	-0.37012789	3	3
## 104	0	0	1	0.31763157	3	3
## 106	1	0	0	-0.40719411	1	1
## 111	0	1	0	-0.18141876	1	1
## 114	0	1	0	-0.12045836	2	2
## 115	0	0	1	-0.087640665	2	2
## 117	0	1	0	-0.1259193	2	2
## 130	1	0	0	-0.39441982	1	1
## 133	0	1	0	-0.16239189	2	2
## 135	0	0	1	0.014356451	2	2
## 138	0	0	1	0.41541544	3	3
## 143	0	1	0	-0.22894409	2	2
## 145	0	1	0	-0.22013682	1	1
## 152	1	0	0	-0.55030304	1	1
## 153	1	0	0	-0.33086798	<NA>	<NA>
## 165	0	1	0	-0.11248248	2	2
## 173	1	0	0	-0.51838917	1	1
## 178	1	0	0	-0.78204179	1	1
## 182	1	0	0	-0.5288555	2	2
## 187	0	1	0	-0.26600146	2	2
## 189	0	1	0	-0.18254519	2	2
## 191	1	0	0	-0.39624473	1	1
## 192	0	1	0	-0.1492648	2	2
## 197	1	0	0	-0.55405152	<NA>	<NA>
## 201	0	0	1	0.16023783	3	3
## 207	0	1	0	-0.29035899	2	2
## 208	0	1	0	-0.11436314	1	1
## 213	0	1	0	-0.14571619	1	1
## 219	0	1	0	-0.29962105	<NA>	<NA>
## 221	<NA>	<NA>	<NA>	<NA>	1	1
## 235	0	1	0	-0.12575711	<NA>	<NA>
## 237	0	1	0	-0.15328056	<NA>	<NA>
## 240	0	1	0	-0.29043117	<NA>	<NA>
## 244	0	1	0	-0.17181495	2	2
## 245	<NA>	<NA>	<NA>	<NA>	1	1
## 247	0	1	0	-0.23293509	1	1
## 253	<NA>	<NA>	<NA>	<NA>	2	2
## 260	0	1	0	-0.31241611	1	1
## 263	0	1	0	-0.30545643	2	2
## 271	1	0	0	-0.53706867	<NA>	<NA>

## 274	0	1	0	-0.21137309	<NA>	<NA>
## 284	0	1	0	-0.31864038	2	2
## 288	1	0	0	-0.49606839	1	1
## 289	0	1	0	-0.2793608	2	2
## 294	1	0	0	-0.51912832	1	1
## 296	0	1	0	-0.13613249	2	2
## 297	1	0	0	-0.42294297	1	1
## 298	0	0	1	0.14993609	<NA>	<NA>
## 300	1	0	0	-0.33910871	<NA>	<NA>
## 301	1	0	0	-0.35091868	2	2
## 304	0	0	1	0.25645453	<NA>	<NA>
## 307	1	0	0	-0.46972528	2	2
## 316	0	1	0	-0.2178103	3	3
## 317	0	0	1	-0.017212285	<NA>	<NA>
## 320	0	0	1	0.64776796	3	3
## 321	0	0	1	0.60990143	3	3
## 326	0	1	0	-0.15995516	3	3
## 330	0	1	0	-0.18832313	<NA>	<NA>
## 333	0	0	1	0.040152971	3	3
## 334	1	0	0	-0.36798003	3	3
## 337	0	1	0	-0.22887872	2	2
## 338	0	1	0	-0.29135281	<NA>	<NA>
## 348	0	1	0	-0.29184139	1	1
## 353	0	0	1	0.14179465	3	3
## 354	0	0	1	0.092396848	3	3
## 355	0	0	1	0.091110468	<NA>	<NA>
## 356	0	0	1	0.41480139	3	3
## 359	0	0	1	0.039461069	<NA>	<NA>
## 364	<NA>	<NA>	<NA>	<NA>	2	2
## 369	0	1	0	-0.20727882	1	1
## 378	0	0	1	0.073557109	2	2
## 381	0	1	0	-0.27207252	2	2
## 386	0	0	1	-0.048507705	2	2
## 388	0	1	0	-0.27638611	<NA>	<NA>
## 392	<NA>	<NA>	<NA>	<NA>	1	1
## 394	0	1	0	-0.1079082	<NA>	<NA>
## 396	1	0	0	-0.41824037	2	2
## 404	0	1	0	-0.15971816	3	3
## 406	1	0	0	-0.41143438	1	1
## 408	0	0	1	-0.10100446	3	3
## 411	1	0	0	-0.38172904	2	2
## 422	0	0	1	0.10441407	3	3
## 423	0	0	1	0.021458119	<NA>	<NA>
## 426	1	0	0	-0.48243093	3	3
## 452	<NA>	<NA>	<NA>	<NA>	<NA>	<NA>
## 454	1	0	0	-0.90841186	1	1
## 456	1	0	0	-0.55481583	1	1
## 458	0	1	0	-0.21435355	2	2
## 468	0	1	0	-0.19177935	1	1
## 469	1	0	0	-0.59718084	1	1
## 472	0	1	0	-0.23084311	2	2
## 479	1	0	0	-0.3532494	<NA>	<NA>
## 485	1	0	0	-0.34869969	1	1
## 488	1	0	0	-0.40618488	3	2

## 490	1	0	0	-0.49362278	<NA>	<NA>
## 495	1	0	0	-0.33907503	1	1
## 498	1	0	0	-0.51296455	<NA>	<NA>
## 501	0	0	1	-0.0397663	2	2
## 502	0	1	0	-0.15567183	3	3
## 506	1	0	0	-0.3486841	2	2
## 515	0	1	0	-0.17759913	3	3
## 517	0	1	0	-0.3206985	1	1
## 525	1	0	0	-0.40321863	2	1
## 526	0	0	1	1.4414665	3	3
## 533	0	1	0	-0.1119041	3	3
## 556	0	0	1	-0.049297392	3	3
## 561	1	0	0	-0.40781486	<NA>	<NA>
## 571	0	1	0	-0.28578788	<NA>	<NA>
## 572	1	0	0	-0.70011944	1	1
## 582	0	1	0	-0.1861296	3	2
## 592	0	0	1	0.20181368	3	3
## 598	0	1	0	-0.29181191	<NA>	<NA>
## 600	1	0	0	-0.34366566	1	1
## 607	0	0	1	-0.080600694	3	3
## 612	0	0	1	0.12619202	2	2
## 622	1	0	0	-0.74157721	<NA>	<NA>
## 627	0	0	1	0.029121814	3	3
## 630	0	0	1	0.085645445	<NA>	<NA>
## 635	0	0	1	0.015666636	3	3
## 640	0	1	0	-0.30478618	<NA>	<NA>
## 642	<NA>	<NA>	<NA>	<NA>	3	3
## 644	1	0	0	-0.34546939	2	2
## 645	1	0	0	-0.53116608	1	1
## 649	1	0	0	-0.56541383	1	1
## 657	0	1	0	-0.26410097	1	1
## 662	1	0	0	-0.41728216	2	2
## 664	1	0	0	-0.37570342	2	2
## 667	0	0	1	0.028577739	3	3
## 669	0	1	0	-0.11833544	3	3
## 670	<NA>	<NA>	<NA>	<NA>	3	3
## 679	0	1	0	-0.30324116	1	1
## 683	1	0	0	-0.53291959	1	1
## 687	0	1	0	-0.2503362	2	2
## 688	0	1	0	-0.14793868	<NA>	<NA>
## 691	0	0	1	0.010623371	2	2
## 694	0	0	1	0.8757937	3	3
## 696	0	0	1	0.25556427	3	3
## 710	1	0	0	-0.42005908	1	1
## 712	0	0	1	0.4407872	3	3
## 714	0	0	1	0.26360965	3	3
## 717	0	0	1	0.08546184	3	3
## 719	0	1	0	-0.2404792	1	1
## 722	<NA>	<NA>	<NA>	<NA>	<NA>	<NA>
## 725	0	1	0	-0.26628464	<NA>	<NA>
## 729	0	1	0	-0.18725531	2	2
## 733	0	1	0	-0.11176878	2	2
## 740	0	0	1	-0.052810233	2	2
## 743	0	0	1	-0.021991041	3	3

## 746	<NA>	<NA>	<NA>	<NA>	2	2
## 747	0	1	0	-0.30514297	1	1
## 749	0	1	0	-0.24279411	2	2
## 759	1	0	0	-0.34551743	<NA>	<NA>
## 763	0	0	1	0.33310944	3	3
## 766	0	0	1	0.33109352	3	3
## 776	0	1	0	-0.1125127	2	2
## 793	1	0	0	-0.36919296	<NA>	<NA>
## 795	0	1	0	-0.10922018	<NA>	<NA>
## 799	0	0	1	0.0011493393	3	3
## 802	0	0	1	0.0080177719	<NA>	<NA>
## 810	0	1	0	-0.30794328	<NA>	<NA>
## 818	1	0	0	-0.55799586	1	1
## 822	1	0	0	-0.35047847	2	2
## 823	<NA>	<NA>	<NA>	<NA>	1	1
## 828	1	0	0	-0.43028149	1	1
## 835	0	0	1	0.045842968	3	3
## 836	0	0	1	0.16587877	<NA>	<NA>
## 841	<NA>	<NA>	<NA>	<NA>	3	3
## 855	<NA>	<NA>	<NA>	<NA>	3	3
## 856	0	0	1	0.23642299	<NA>	<NA>
## 860	0	0	1	0.041401029	2	2
## 861	1	0	0	-0.68041456	<NA>	<NA>
## 864	0	0	1	0.06243005	3	3
## 886	1	0	0	-0.33167157	2	2
## 892	0	1	0	-0.25940046	<NA>	<NA>
## 898	1	0	0	-0.4707351	1	1
##	i_cyspost3cat1	i_cyspost3cat2	i_cyspost3cat3	logcys1	cysdiff	
## 9	<NA>	<NA>	<NA>	<NA>	<NA>	
## 15	0	0	1	0.055094063	0.35692799	
## 22	0	1	0	-0.26468846	0.206532	
## 24	<NA>	<NA>	<NA>	<NA>	<NA>	
## 31	0	1	0	-0.13139653	<NA>	
## 32	0	1	0	-0.22782952	0.142176	
## 42	0	0	1	0.34049273	0.46716699	
## 53	0	1	0	-0.13003124	0.15823901	
## 61	<NA>	<NA>	<NA>	<NA>	<NA>	
## 63	0	0	1	0.41969669	0.38701001	
## 64	0	0	1	0.18450251	<NA>	
## 66	0	1	0	-0.10593957	0.26881701	
## 78	1	0	0	-0.44242272	-0.013802	
## 82	0	1	0	-0.1316178	0.16929901	
## 84	<NA>	<NA>	<NA>	<NA>	<NA>	
## 85	0	1	0	-0.18751341	0.16815799	
## 86	0	0	1	0.33135918	0.702214	
## 104	0	0	1	0.3121649	-0.0074900002	
## 106	1	0	0	-0.36071166	0.031665001	
## 111	1	0	0	-0.49654967	-0.22545899	
## 114	0	1	0	-0.13337712	-0.011379	
## 115	0	1	0	-0.24900766	-0.136516	
## 117	0	1	0	-0.072359964	0.04851	
## 130	1	0	0	-0.68228239	-0.16860899	
## 133	0	1	0	-0.045860708	0.105067	
## 135	0	1	0	-0.024350071	-0.038516	

## 138	0	0	1	0.17389448	-0.32506999
## 143	0	1	0	-0.16105881	0.055868998
## 145	1	0	0	-0.29319322	-0.056531001
## 152	1	0	0	-0.47677371	0.044008002
## 153	<NA>	<NA>	<NA>	<NA>	<NA>
## 165	0	1	0	-0.24145392	-0.108128
## 173	1	0	0	-0.71077156	-0.104214
## 178	1	0	0	-0.65143728	0.063824996
## 182	0	1	0	-0.20103844	0.22860201
## 187	0	1	0	-0.22692443	0.030543
## 189	0	1	0	-0.053580116	0.114683
## 191	1	0	0	-0.48955023	-0.059939999
## 192	0	1	0	-0.013910301	0.124845
## 197	<NA>	<NA>	<NA>	<NA>	<NA>
## 201	0	0	1	0.18966122	0.035050001
## 207	0	1	0	-0.21056919	0.062128
## 208	1	0	0	-0.29688159	-0.148802
## 213	1	0	0	-0.27829692	-0.107331
## 219	<NA>	<NA>	<NA>	<NA>	<NA>
## 221	1	0	0	-0.39505944	<NA>
## 235	<NA>	<NA>	<NA>	<NA>	<NA>
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## 240	<NA>	<NA>	<NA>	<NA>	<NA>
## 244	0	1	0	-0.02662841	0.131588
## 245	1	0	0	-0.38420767	<NA>
## 247	1	0	0	-0.33560282	-0.077298
## 253	0	1	0	-0.16461878	<NA>
## 260	1	0	0	-0.36013809	-0.034097001
## 263	0	1	0	-0.096376546	0.171335
## 271	<NA>	<NA>	<NA>	<NA>	<NA>
## 274	<NA>	<NA>	<NA>	<NA>	<NA>
## 284	0	1	0	-0.26277485	0.041777998
## 288	1	0	0	-0.40418592	0.058600001
## 289	0	1	0	-0.23345529	0.035526
## 294	1	0	0	-0.41532454	0.065086998
## 296	0	1	0	-0.1200174	0.014178
## 297	1	0	0	-0.31559333	0.074239999
## 298	<NA>	<NA>	<NA>	<NA>	<NA>
## 300	<NA>	<NA>	<NA>	<NA>	<NA>
## 301	0	1	0	-0.1102011	0.191613
## 304	<NA>	<NA>	<NA>	<NA>	<NA>
## 307	0	1	0	-0.098026365	0.28145099
## 316	0	0	1	0.30769056	0.55600202
## 317	<NA>	<NA>	<NA>	<NA>	<NA>
## 320	0	0	1	0.97235721	0.73290002
## 321	0	0	1	1.2927307	1.80247
## 326	0	0	1	0.15981176	0.32110801
## 330	<NA>	<NA>	<NA>	<NA>	<NA>
## 333	0	0	1	0.076136626	0.038139999
## 334	0	0	1	0.3602027	0.74148899
## 337	0	1	0	-0.080834858	0.126921
## 338	<NA>	<NA>	<NA>	<NA>	<NA>
## 348	1	0	0	-0.37639526	-0.060555998
## 353	0	0	1	0.62415075	0.71432

## 354	0	0	1	0.53942472	0.61821997
## 355	<NA>	<NA>	<NA>	<NA>	<NA>
## 356	0	0	1	0.14832518	-0.35418001
## 359	<NA>	<NA>	<NA>	<NA>	<NA>
## 364	0	1	0	-0.17965432	<NA>
## 369	1	0	0	-0.33723092	-0.099049002
## 378	0	1	0	-0.014891327	-0.091110997
## 381	0	1	0	-0.076459967	0.164591
## 386	0	1	0	-0.15114969	-0.092931002
## 388	<NA>	<NA>	<NA>	<NA>	<NA>
## 392	1	0	0	-0.38914943	<NA>
## 394	<NA>	<NA>	<NA>	<NA>	<NA>
## 396	0	1	0	-0.21028039	0.152153
## 404	0	0	1	0.16763084	0.330116
## 406	1	0	0	-0.28014785	0.092973001
## 408	0	0	1	0.044265658	0.141331
## 411	0	1	0	-0.25250798	0.094169997
## 422	0	0	1	0.089502439	-0.01643
## 423	<NA>	<NA>	<NA>	<NA>	<NA>
## 426	0	0	1	0.14407437	0.53768897
## 452	<NA>	<NA>	<NA>	<NA>	<NA>
## 454	1	0	0	-0.50413805	0.20086201
## 456	1	0	0	-0.40420988	0.093326002
## 458	0	1	0	-0.16799626	0.038293999
## 468	1	0	0	-0.41795021	-0.16709401
## 469	1	0	0	-0.74572974	-0.075972997
## 472	0	1	0	-0.11553881	0.097021997
## 479	<NA>	<NA>	<NA>	<NA>	<NA>
## 485	1	0	0	-0.67128396	-0.194553
## 488	0	1	0	0.022602625	0.356673
## 490	<NA>	<NA>	<NA>	<NA>	<NA>
## 495	1	0	0	-0.34231427	-0.0023040001
## 498	<NA>	<NA>	<NA>	<NA>	<NA>
## 501	0	1	0	-0.21866982	-0.157427
## 502	0	0	1	0.13331512	0.28676999
## 506	0	1	0	-0.17287353	0.135628
## 515	0	0	1	0.19125652	0.373492
## 517	1	0	0	-0.49857759	-0.118248
## 525	1	0	0	-0.27102032	0.094434999
## 526	0	0	1	1.3283685	-0.45201001
## 533	0	0	1	0.057655513	0.16522001
## 556	0	0	1	0.076525763	0.12763201
## 561	<NA>	<NA>	<NA>	<NA>	<NA>
## 571	<NA>	<NA>	<NA>	<NA>	<NA>
## 572	1	0	0	-0.37966141	0.187567
## 582	0	1	0	0.018340776	0.188344
## 592	0	0	1	0.32545462	0.16103999
## 598	<NA>	<NA>	<NA>	<NA>	<NA>
## 600	1	0	0	-0.46192434	-0.079095997
## 607	0	0	1	0.23030187	0.336418
## 612	0	1	0	0.0099800332	-0.12447
## 622	<NA>	<NA>	<NA>	<NA>	<NA>
## 627	0	0	1	0.84552485	1.29965
## 630	<NA>	<NA>	<NA>	<NA>	<NA>

## 635	0	0	1	0.59845734	0.80352002
## 640	<NA>	<NA>	<NA>	<NA>	<NA>
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## 644	0	1	0	-0.16811456	0.13736901
## 645	1	0	0	-0.41474	0.072593004
## 649	1	0	0	-0.61931509	-0.029812001
## 657	1	0	0	-0.6072374	-0.223042
## 662	0	1	0	-0.051648095	0.29082799
## 664	0	1	0	-0.26225606	0.082507998
## 667	0	0	1	0.064119682	0.03723
## 669	0	0	1	0.056389786	0.16961201
## 670	0	0	1	0.04529836	<NA>
## 679	1	0	0	-0.46221802	-0.108536
## 683	1	0	0	-0.4826383	0.030263999
## 687	0	1	0	-0.14574048	0.085842997
## 688	<NA>	<NA>	<NA>	<NA>	<NA>
## 691	0	1	0	-0.016237112	-0.026786
## 694	0	0	1	1.2889901	1.22834
## 696	0	0	1	0.03064559	-0.26007
## 710	1	0	0	-0.34943551	0.048078001
## 712	0	0	1	0.64651668	0.35495001
## 714	0	0	1	0.16386053	-0.12357
## 717	0	0	1	0.1739281	0.10075
## 719	1	0	0	-0.30715036	-0.050710998
## 722	<NA>	<NA>	<NA>	<NA>	<NA>
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## 729	0	1	0	-0.0015672274	0.169202
## 733	0	1	0	-0.037742365	0.068709999
## 740	0	1	0	-0.043043211	0.0093099996
## 743	0	0	1	0.21364255	0.259931
## 746	0	1	0	-0.057334665	<NA>
## 747	1	0	0	-0.41451898	-0.076360002
## 749	0	1	0	-0.19211738	0.040777002
## 759	<NA>	<NA>	<NA>	<NA>	<NA>
## 763	0	0	1	0.72873628	0.67716002
## 766	0	0	1	0.23930033	-0.12213
## 776	0	1	0	-0.10679042	0.0051279999
## 793	<NA>	<NA>	<NA>	<NA>	<NA>
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## 799	0	0	1	0.12096021	0.12743001
## 802	<NA>	<NA>	<NA>	<NA>	<NA>
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## 818	1	0	0	-0.8116582	-0.128234
## 822	0	1	0	-0.25246295	0.072534002
## 823	1	0	0	-0.32391325	<NA>
## 828	1	0	0	-0.29027343	0.097732998
## 835	0	0	1	0.10191559	0.060380001
## 836	<NA>	<NA>	<NA>	<NA>	<NA>
## 841	0	0	1	0.056399237	<NA>
## 855	0	0	1	0.13695802	<NA>
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## 860	0	1	0	-0.063615218	-0.103904
## 861	<NA>	<NA>	<NA>	<NA>	<NA>
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## 886	0	1	0	-0.19196591	0.107612
## 892	<NA>	<NA>	<NA>	<NA>	<NA>
## 898	1	0	0	-0.30441734	0.11301
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## 24	<NA>	<NA>	<NA>	<NA>	<NA>
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## 32	2	2	0	1	0
## 42	3	3	0	0	1
## 53	3	3	0	0	1
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## 78	1	1	1	0	0
## 82	3	3	0	0	1
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## 85	3	3	0	0	1
## 86	3	3	0	0	1
## 104	1	1	1	0	0
## 106	2	2	0	1	0
## 111	1	1	1	0	0
## 114	1	1	1	0	0
## 115	1	1	1	0	0
## 117	2	2	0	1	0
## 130	1	1	1	0	0
## 133	2	2	0	1	0
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## 182	3	3	0	0	1
## 187	2	2	0	1	0
## 189	2	2	0	1	0
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## 201	2	2	0	1	0
## 207	2	2	0	1	0
## 208	1	1	1	0	0
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## 247	1	1	1	0	0
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## 260	1	1	1	0	0
## 263	3	3	0	0	1
## 271	<NA>	<NA>	<NA>	<NA>	<NA>
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## 284	2	2	0	1	0
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## 289	2	2	0	1	0
## 294	2	2	0	1	0
## 296	2	2	0	1	0
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## 369	1	1	1	0	0
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## 386	1	1	1	0	0
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## 406	2	2	0	1	0
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## 411	2	2	0	1	0
## 422	1	1	1	0	0
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## 426	3	3	0	0	1
## 452	<NA>	<NA>	<NA>	<NA>	<NA>
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## 456	2	2	0	1	0
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## 468	1	1	1	0	0
## 469	1	1	1	0	0
## 472	2	2	0	1	0
## 479	<NA>	<NA>	<NA>	<NA>	<NA>
## 485	1	1	1	0	0
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## 506	2	2	0	1	0
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## 598	<NA>	<NA>	<NA>	<NA>	<NA>
## 600	1	1	1	0	0
## 607	3	3	0	0	1
## 612	1	1	1	0	0
## 622	<NA>	<NA>	<NA>	<NA>	<NA>
## 627	3	3	0	0	1
## 630	<NA>	<NA>	<NA>	<NA>	<NA>
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## 640	<NA>	<NA>	<NA>	<NA>	<NA>
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## 662	3	3	0	0	1
## 664	2	2	0	1	0
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## 670	<NA>	<NA>	<NA>	<NA>	<NA>
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## 691	1	1	1	0	0
## 694	3	3	0	0	1
## 696	1	1	1	0	0
## 710	2	2	0	1	0
## 712	3	3	0	0	1
## 714	1	1	1	0	0
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## 722	<NA>	<NA>	<NA>	<NA>	<NA>
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## 740	2	2	0	1	0
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## 746	<NA>	<NA>	<NA>	<NA>	<NA>
## 747	1	1	1	0	0
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## 793	<NA>	<NA>	<NA>	<NA>	<NA>
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## 799	2	2	0	1	0
## 802	<NA>	<NA>	<NA>	<NA>	<NA>
## 810	<NA>	<NA>	<NA>	<NA>	<NA>
## 818	1	1	1	0	0
## 822	2	2	0	1	0
## 823	<NA>	<NA>	<NA>	<NA>	<NA>
## 828	2	2	0	1	0
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## 861	<NA>	<NA>	<NA>	<NA>	<NA>
## 864	3	3	0	0	1
## 886	2	2	0	1	0
## 892	<NA>	<NA>	<NA>	<NA>	<NA>
## 898	2	2	0	1	0
##	logcysdiff	til10_0	il10pre3cat	i_il10pre3cat1	i_il10pre3cat2
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## 22	-1.5773	3	3	0	0
## 24	<NA>	<NA>	<NA>	<NA>	<NA>
## 31	<NA>	<NA>	<NA>	<NA>	<NA>
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## 42	-0.76106852	2	2	0	1
## 53	-1.8436487	1	1	1	0
## 61	<NA>	1	1	1	0
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## 64	<NA>	<NA>	<NA>	<NA>	<NA>
## 66	-1.3137244	2	2	0	1
## 78	-6.9077554	1	1	1	0
## 82	-1.7760888	3	3	0	0
## 84	<NA>	2	2	0	1
## 85	-1.7828513	2	1	1	0
## 86	-0.35351709	1	1	1	0
## 104	-6.9077554	2	2	0	1
## 106	-3.4525433	1	1	1	0
## 111	-6.9077554	2	2	0	1

## 114	-6.9077554	2	2	0	1
## 115	-6.9077554	1	1	1	0
## 117	-3.0259852	2	2	0	1
## 130	-6.9077554	1	1	1	0
## 133	-2.2531571	3	3	0	0
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## 178	-2.7516103	1	1	1	0
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## 192	-2.0806823	3	3	0	0
## 197	<NA>	3	3	0	0
## 201	-3.3509796	3	3	0	0
## 207	-2.7785585	2	2	0	1
## 208	-6.9077554	1	1	1	0
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## 219	<NA>	1	1	1	0
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## 235	<NA>	1	1	1	0
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## 271	<NA>	1	1	1	0
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## 284	-3.1753855	1	1	1	0
## 288	-2.8370206	1	1	1	0
## 289	-3.3374906	1	1	1	0
## 294	-2.7320304	2	2	0	1
## 296	-4.2560639	3	3	0	0
## 297	-2.6004522	1	1	1	0
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## 316	-0.58698332	3	3	0	0
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## 326	-1.1359777	1	1	1	0
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## 333	-3.2664917	3	3	0	0
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## 337	-2.0641904	1	1	1	0
## 338	<NA>	<NA>	<NA>	<NA>	<NA>
## 348	-6.9077554	1	1	1	0
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## 354	-0.48091096	2	2	0	1
## 355	<NA>	3	3	0	0
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## 369	-6.9077554	3	3	0	0
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## 381	-1.8042917	2	2	0	1
## 386	-6.9077554	1	1	1	0
## 388	<NA>	2	2	0	1
## 392	<NA>	<NA>	<NA>	<NA>	<NA>
## 394	<NA>	3	3	0	0
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## 406	-2.3754461	1	1	1	0
## 408	-1.9566506	3	3	0	0
## 411	-2.3626537	3	3	0	0
## 422	-6.9077554	1	1	1	0
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## 426	-0.62047499	2	2	0	1
## 452	<NA>	<NA>	<NA>	<NA>	<NA>
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## 458	-3.2624621	3	3	0	0
## 468	-6.9077554	2	2	0	1
## 469	-6.9077554	3	3	0	0
## 472	-2.3328176	3	3	0	0
## 479	<NA>	1	1	1	0
## 485	-6.9077554	1	1	1	0
## 488	-1.0309359	1	1	1	0
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## 495	-6.9077554	2	2	0	1
## 498	<NA>	2	2	0	1
## 501	-6.9077554	3	3	0	0
## 502	-1.2490748	1	1	1	0
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## 515	-0.98485869	3	3	0	0
## 517	-6.9077554	1	1	1	0
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## 526	-6.9077554	3	3	0	0
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## 556	-2.058604	1	1	1	0
## 561	<NA>	1	1	1	0
## 571	<NA>	1	1	1	0
## 572	-1.6736192	1	1	1	0
## 582	-1.6694852	1	1	1	0
## 592	-1.8261025	1	1	1	0
## 598	<NA>	2	2	0	1

## 600	-6.9077554	3	3	0	0
## 607	-1.0894009	2	2	0	1
## 612	-6.9077554	2	2	0	1
## 622	<NA>	3	3	0	0
## 627	0.26209497	1	1	1	0
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## 635	-0.21875317	2	2	0	1
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## 649	-6.9077554	1	1	1	0
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## 662	-1.2350233	3	3	0	0
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## 669	-1.7742418	2	2	0	1
## 670	<NA>	<NA>	<NA>	<NA>	<NA>
## 679	-6.9077554	2	2	0	1
## 683	-3.4977963	2	2	0	1
## 687	-2.4552352	1	1	1	0
## 688	<NA>	3	3	0	0
## 691	-6.9077554	2	2	0	1
## 694	0.2056637	2	2	0	1
## 696	-6.9077554	2	2	0	1
## 710	-3.0349305	1	1	1	0
## 712	-1.0357783	3	3	0	0
## 714	-6.9077554	3	3	0	0
## 717	-2.2951131	1	1	1	0
## 719	-6.9077554	3	3	0	0
## 722	<NA>	<NA>	<NA>	<NA>	<NA>
## 725	<NA>	1	1	1	0
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## 740	-4.6766663	3	3	0	0
## 743	-1.347339	3	3	0	0
## 746	<NA>	<NA>	<NA>	<NA>	<NA>
## 747	-6.9077554	3	3	0	0
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## 759	<NA>	2	2	0	1
## 763	-0.38984767	2	2	0	1
## 766	-6.9077554	3	3	0	0
## 776	-5.2730393	2	2	0	1
## 793	<NA>	2	2	0	1
## 795	<NA>	2	2	0	1
## 799	-2.0601881	3	3	0	0
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## 810	<NA>	3	3	0	0
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## 823	<NA>	<NA>	<NA>	<NA>	<NA>
## 828	-2.325516	2	2	0	1
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## 841	<NA>	<NA>	<NA>	<NA>	<NA>
## 855	<NA>	<NA>	<NA>	<NA>	<NA>
## 856	<NA>	2	2	0	1
## 860	-6.9077554	1	1	1	0
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## 886	-2.229223	1	1	1	0
## 892	<NA>	1	1	1	0
## 898	-2.180279	3	3	0	0
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## 9	1	-0.54300451	<NA>	<NA>	<NA>
## 15	0	-0.86038309	2	2	0
## 22	1	-0.78526247	2	2	0
## 24	<NA>	<NA>	<NA>	<NA>	<NA>
## 31	<NA>	<NA>	2	2	0
## 32	0	-1.5005835	2	2	0
## 42	0	-1.174414	1	1	1
## 53	0	-1.3470737	1	1	1
## 61	0	-1.4229584	<NA>	<NA>	<NA>
## 63	0	-1.2378744	3	3	0
## 64	<NA>	<NA>	1	1	1
## 66	0	-1.2310015	3	3	0
## 78	0	-1.4784096	2	2	0
## 82	1	-0.69514918	2	2	0
## 84	0	-1.1841701	<NA>	<NA>	<NA>
## 85	0	-1.3280255	1	1	1
## 86	0	-1.9589953	1	1	1
## 104	0	-1.2413286	1	1	1
## 106	0	-1.5702173	1	1	1
## 111	0	-0.92381901	3	3	0
## 114	0	-1.1973282	3	3	0
## 115	0	-1.8451602	3	3	0
## 117	0	-1.3019532	3	3	0
## 130	0	-2.0635681	3	3	0
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## 135	1	-0.40796825	2	2	0
## 138	1	-0.18995059	3	3	0
## 143	0	-1.2207799	1	1	1
## 145	0	-1.2275827	1	1	1
## 152	1	-0.62362111	1	1	1
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## 173	0	-1.2765435	3	3	0
## 178	0	-1.9519283	1	1	1
## 182	0	-1.5945493	1	1	1
## 187	0	-1.5050778	2	2	0
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## 192	1	-0.45570633	1	1	1
## 197	1	-0.59420723	<NA>	<NA>	<NA>
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## 208	0	-1.8643302	3	3	0
## 213	1	-0.54991299	3	3	0

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## 221	<NA>	<NA>	2	2	0
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## 237	0	-1.3356012	<NA>	<NA>	<NA>
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## 244	0	-1.0023935	2	2	0
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## 247	0	-1.1363142	2	2	0
## 253	<NA>	<NA>	1	1	1
## 260	0	-2.3116257	1	1	1
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## 284	0	-1.8708026	1	1	1
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## 289	0	-1.7837913	1	1	1
## 294	0	-1.2658482	1	1	1
## 296	1	-0.28768209	1	1	1
## 297	0	-1.3625778	2	2	0
## 298	0	-1.4872203	<NA>	<NA>	<NA>
## 300	0	-2.2633643	<NA>	<NA>	<NA>
## 301	0	-1.7544637	1	1	1
## 304	1	0.35065687	<NA>	<NA>	<NA>
## 307	0	-1.0412872	1	1	1
## 316	1	-0.41855034	2	2	0
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## 320	0	-1.5994875	1	1	1
## 321	0	-0.85097128	2	2	0
## 326	0	-1.4354846	1	1	1
## 330	0	-2.0099156	<NA>	<NA>	<NA>
## 333	1	-0.72773862	1	1	1
## 334	0	-3.0922432	3	3	0
## 337	0	-1.3664917	1	1	1
## 338	<NA>	<NA>	<NA>	<NA>	<NA>
## 348	0	-1.6296406	3	3	0
## 353	0	-1.6094379	1	1	1
## 354	0	-0.91879386	3	3	0
## 355	1	2.9177706	<NA>	<NA>	<NA>
## 356	1	-0.77870506	2	2	0
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## 364	<NA>	<NA>	3	3	0
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## 378	0	-1.2801342	2	2	0
## 381	0	-1.0700248	3	3	0
## 386	0	-1.4784096	3	3	0
## 388	0	-0.91879386	<NA>	<NA>	<NA>
## 392	<NA>	<NA>	3	3	0
## 394	1	-0.53614342	<NA>	<NA>	<NA>
## 396	0	-1.3093333	2	2	0
## 404	0	-1.2982835	2	2	0
## 406	0	-1.4229584	2	2	0
## 408	1	-0.61248928	2	2	0
## 411	1	-0.15665381	2	2	0
## 422	0	-1.4188175	1	1	1

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## 426	0	-1.1615521	3	3	0
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## 454	1	0.94390589	3	3	0
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## 458	1	-0.34249032	2	2	0
## 468	0	-1.0847094	3	3	0
## 469	1	-0.81193072	2	2	0
## 472	1	-0.2797139	3	3	0
## 479	0	-1.3586792	<NA>	<NA>	<NA>
## 485	0	-1.461018	1	1	1
## 488	0	-1.8643302	3	3	0
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## 495	0	-1.248273	2	2	0
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## 501	1	-0.41098028	2	2	0
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## 515	1	0.59883648	2	2	0
## 517	0	-1.5896353	1	1	1
## 525	0	-1.174414	3	3	0
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## 533	1	-0.035627179	2	2	0
## 556	0	-1.5095925	1	1	1
## 561	0	-1.7544637	<NA>	<NA>	<NA>
## 571	0	-1.3470737	<NA>	<NA>	<NA>
## 572	0	-1.6450651	3	3	0
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## 592	0	-1.5095925	3	3	0
## 598	0	-1.200645	<NA>	<NA>	<NA>
## 600	1	-0.3523984	3	3	0
## 607	0	-0.86512244	3	3	0
## 612	0	-1.1270118	2	2	0
## 622	1	-0.81644541	<NA>	<NA>	<NA>
## 627	0	-1.4229584	1	1	1
## 630	1	0.43825492	<NA>	<NA>	<NA>
## 635	0	-0.92130327	3	3	0
## 640	0	-1.4567168	<NA>	<NA>	<NA>
## 642	<NA>	<NA>	1	1	1
## 644	0	-0.95972031	1	1	1
## 645	0	-1.0300195	1	1	1
## 649	0	-3.0640111	2	2	0
## 657	0	-2.4292827	1	1	1
## 662	1	3.3286266	3	3	0
## 664	1	-0.40646562	1	1	1
## 667	0	-1.1776555	3	3	0
## 669	0	-1.016111	3	3	0
## 670	<NA>	<NA>	3	3	0
## 679	0	-1.2310015	3	3	0
## 683	0	-1.1147417	1	1	1
## 687	0	-1.7429693	1	1	1
## 688	1	-0.57625341	<NA>	<NA>	<NA>
## 691	0	-1.2173958	1	1	1
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## 696	0	-1.0216513	3	3	0
## 710	0	-1.8773173	1	1	1
## 712	1	-0.43232256	3	3	0
## 714	1	0.37843645	2	2	0
## 717	0	-1.6713133	2	2	0
## 719	1	0.07696104	3	3	0
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## 725	0	-1.8325815	<NA>	<NA>	<NA>
## 729	1	-0.8051967	2	2	0
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## 740	1	-0.31608155	2	2	0
## 743	1	-0.809681	1	1	1
## 746	<NA>	<NA>	1	1	1
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## 749	0	-1.1457039	1	1	1
## 759	0	-1.200645	<NA>	<NA>	<NA>
## 763	0	-1.0188773	3	3	0
## 766	1	0.45742485	3	3	0
## 776	0	-0.92130327	3	3	0
## 793	0	-1.1551826	<NA>	<NA>	<NA>
## 795	0	-1.2658482	<NA>	<NA>	<NA>
## 799	1	-0.12103833	2	2	0
## 802	0	-0.94417596	<NA>	<NA>	<NA>
## 810	1	-0.28768209	<NA>	<NA>	<NA>
## 818	1	-0.75077629	1	1	1
## 822	1	-0.61803973	3	3	0
## 823	<NA>	<NA>	2	2	0
## 828	0	-1.171183	2	2	0
## 835	0	-1.3318062	3	3	0
## 836	0	-2.2926347	<NA>	<NA>	<NA>
## 841	<NA>	<NA>	3	3	0
## 855	<NA>	<NA>	1	1	1
## 856	0	-1.1116976	<NA>	<NA>	<NA>
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## 886	0	-1.3394108	3	3	0
## 892	0	-2.341326	<NA>	<NA>	<NA>
## 898	1	-0.081210054	3	3	0
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## 9	<NA>	<NA>	<NA>	<NA>	<NA>
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## 22	1	0	-0.30381146	0.28200001	1
## 24	<NA>	<NA>	<NA>	<NA>	<NA>
## 31	1	0	-0.091019399	<NA>	<NA>
## 32	1	0	-0.2600669	0.54799998	2
## 42	0	0	-0.73605466	0.17	1
## 53	0	0	-0.84629834	0.169	1
## 61	<NA>	<NA>	<NA>	<NA>	<NA>
## 63	0	1	1.0006319	2.4300001	3
## 64	0	0	-0.59420723	<NA>	<NA>
## 66	0	1	1.068153	2.618	3
## 78	1	0	-0.025317809	0.74699998	2
## 82	1	0	-0.30245736	0.23999999	1

## 84	<NA>	<NA>	<NA>	<NA>	<NA>
## 85	0	0	-0.81193072	0.17900001	1
## 86	0	0	-0.69114918	0.36000001	2
## 104	0	0	-1.120858	0.037	1
## 106	0	0	-0.72360641	0.27700001	1
## 111	0	1	1.10194	2.6129999	3
## 114	0	1	0.41210964	1.2079999	3
## 115	0	1	0.97077894	2.4820001	3
## 117	0	1	0.57097954	1.498	3
## 130	0	1	2.442347	11.373	3
## 133	0	0	-0.56036609	-0.086000003	1
## 135	1	0	-0.30381146	0.072999999	1
## 138	0	1	0.36464313	0.61299998	2
## 143	0	0	-1.0906441	0.041000001	1
## 145	0	0	-0.91879386	0.106	1
## 152	0	0	-2.8806195	-0.4799	1
## 153	<NA>	<NA>	<NA>	<NA>	<NA>
## 165	0	0	-0.43540898	0.27700001	1
## 173	0	1	1.1999648	3.0409999	3
## 178	0	0	-1.2909842	0.133	1
## 182	0	0	-0.71949118	0.28400001	1
## 187	1	0	-0.099820338	0.68300003	2
## 189	1	0	0.19062036	0.68400002	2
## 191	0	0	-1.6554818	-0.017000001	1
## 192	0	0	-0.97021908	-0.255	1
## 197	<NA>	<NA>	<NA>	<NA>	<NA>
## 201	1	0	-0.35524738	-0.028000001	1
## 207	0	0	-0.685179	0.199	1
## 208	0	1	0.34358969	1.255	3
## 213	0	1	0.37843645	0.88300002	3
## 219	<NA>	<NA>	<NA>	<NA>	<NA>
## 221	1	0	0.11332869	<NA>	<NA>
## 235	<NA>	<NA>	<NA>	<NA>	<NA>
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## 240	<NA>	<NA>	<NA>	<NA>	<NA>
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## 245	0	1	0.30748469	<NA>	<NA>
## 247	1	0	-0.081210054	0.60100001	2
## 253	0	0	-0.7528972	<NA>	<NA>
## 260	0	0	-0.45413029	0.5359	2
## 263	1	0	0.22314355	0.85500002	3
## 271	<NA>	<NA>	<NA>	<NA>	<NA>
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## 288	0	0	-0.84397006	0.211	1
## 289	0	0	-0.83471072	0.266	1
## 294	0	0	-0.86038309	0.141	1
## 296	0	0	-0.94160855	-0.36000001	1
## 297	1	0	-0.19601488	0.56599998	2
## 298	<NA>	<NA>	<NA>	<NA>	<NA>
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## 304	<NA>	<NA>	<NA>	<NA>	<NA>
## 307	0	0	-0.53273046	0.234	1

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## 317	<NA>	<NA>	<NA>	<NA>	<NA>
## 320	0	0	-0.49922648	0.405	2
## 321	1	0	-0.23193206	0.366	2
## 326	0	0	-1.5141277	-0.017999999	1
## 330	<NA>	<NA>	<NA>	<NA>	<NA>
## 333	0	0	-0.49265832	0.12800001	1
## 334	0	1	0.71783978	2.0046	3
## 337	0	0	-0.60148001	0.29300001	1
## 338	<NA>	<NA>	<NA>	<NA>	<NA>
## 348	0	1	1.3912818	3.8239999	3
## 353	0	0	-0.70724612	0.29300001	1
## 354	0	1	1.8000582	5.651	3
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## 356	1	0	0.13976194	0.69099998	2
## 359	<NA>	<NA>	<NA>	<NA>	<NA>
## 364	0	1	0.57097954	<NA>	<NA>
## 369	1	0	-0.28768209	0.123	1
## 378	1	0	-0.21195637	0.53100002	2
## 381	0	1	0.50077528	1.307	3
## 386	0	1	1.0402768	2.602	3
## 388	<NA>	<NA>	<NA>	<NA>	<NA>
## 392	0	1	1.0919234	<NA>	<NA>
## 394	<NA>	<NA>	<NA>	<NA>	<NA>
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## 404	1	0	-0.36384344	0.42199999	2
## 406	1	0	0.07696104	0.83899999	3
## 408	1	0	0.17395331	0.648	2
## 411	1	0	0.13102826	0.285	1
## 422	0	0	-0.70521975	0.252	1
## 423	<NA>	<NA>	<NA>	<NA>	<NA>
## 426	0	1	1.332366	3.477	3
## 452	<NA>	<NA>	<NA>	<NA>	<NA>
## 454	0	1	1.3001916	1.1	3
## 456	0	1	0.74668795	1.849	3
## 458	1	0	-0.19358476	0.114	1
## 468	0	1	0.77932489	1.842	3
## 469	1	0	-0.094310679	0.46599999	2
## 472	0	1	0.48242614	0.86400002	3
## 479	<NA>	<NA>	<NA>	<NA>	<NA>
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## 488	0	1	0.47000363	1.4450001	3
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## 495	1	0	-0.16841865	0.55800003	2
## 498	<NA>	<NA>	<NA>	<NA>	<NA>
## 501	1	0	0.15700375	0.50700003	2
## 502	1	0	-0.17554457	0.58099997	2
## 506	0	1	0.32930374	1.1619999	3
## 515	1	0	0.067658648	-0.75	1
## 517	0	0	-0.62175721	0.333	2
## 525	0	1	0.35065687	1.1109999	3
## 526	0	1	1.0224509	1.49	3
## 533	1	0	-0.22064666	-0.163	1
## 556	0	0	-1.1239301	0.104	1

## 561	<NA>	<NA>	<NA>	<NA>	<NA>
## 571	<NA>	<NA>	<NA>	<NA>	<NA>
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## 582	0	0	-0.86274999	0.169	1
## 592	0	1	0.27002713	1.089	3
## 598	<NA>	<NA>	<NA>	<NA>	<NA>
## 600	0	1	0.43178242	0.83700001	3
## 607	0	1	0.77010822	1.739	3
## 612	1	0	-0.17316362	0.51700002	2
## 622	<NA>	<NA>	<NA>	<NA>	<NA>
## 627	0	0	-0.42924565	0.41	2
## 630	<NA>	<NA>	<NA>	<NA>	<NA>
## 635	0	1	0.28517893	0.93199998	3
## 640	<NA>	<NA>	<NA>	<NA>	<NA>
## 642	0	0	-0.41400144	<NA>	<NA>
## 644	0	0	-1.1679623	-0.071999997	1
## 645	0	0	-1.2275827	-0.064000003	1
## 649	1	0	-0.29840603	0.69529998	2
## 657	0	0	-1.4354846	0.1499	1
## 662	0	1	4.9416423	112.1	3
## 664	0	0	-0.64055473	-0.139	1
## 667	0	1	0.78390157	1.882	3
## 669	0	1	1.3787661	3.608	3
## 670	0	1	1.4206958	<NA>	<NA>
## 679	0	1	0.42526773	1.238	3
## 683	0	0	-0.69114918	0.17299999	1
## 687	0	0	-0.71949118	0.31200001	1
## 688	<NA>	<NA>	<NA>	<NA>	<NA>
## 691	0	0	-0.7528972	0.175	1
## 694	1	0	0.07696104	0.736	2
## 696	0	1	0.4054651	1.14	3
## 710	0	0	-0.51249367	0.44600001	2
## 712	0	1	0.66268796	1.291	3
## 714	1	0	0.23111172	-0.2	1
## 717	1	0	-0.18392284	0.64399999	2
## 719	0	1	1.403643	2.99	3
## 722	<NA>	<NA>	<NA>	<NA>	<NA>
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## 729	1	0	-0.36240563	0.249	1
## 733	1	0	-0.23445731	0.059999999	1
## 740	1	0	-0.25231493	0.048	1
## 743	0	0	-0.66943067	0.067000002	1
## 746	0	0	-0.55512589	<NA>	<NA>
## 747	0	0	-0.67727381	-0.204	1
## 749	0	0	-0.79850769	0.132	1
## 759	<NA>	<NA>	<NA>	<NA>	<NA>
## 763	0	1	0.95165789	2.2290001	3
## 766	0	1	0.8020016	0.64999998	2
## 776	0	1	0.47000363	1.202	3
## 793	<NA>	<NA>	<NA>	<NA>	<NA>
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## 822	0	1	0.30010459	0.81099999	2
## 823	1	0	-0.040821996	<NA>	<NA>
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## 835	0	1	0.8020016	1.966	3
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## 861	<NA>	<NA>	<NA>	<NA>	<NA>
## 864	0	0	-0.81871039	0.147	1
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## 22	1	1	0	0	-1.2658482
## 24	<NA>	<NA>	<NA>	<NA>	<NA>
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## 53	1	1	0	0	-1.7778566
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## 82	1	1	0	0	-1.4271164
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## 85	1	1	0	0	-1.7203695
## 86	2	0	1	0	-1.0216511
## 104	1	1	0	0	-3.2968373
## 106	1	1	0	0	-1.2837378
## 111	3	0	0	1	0.96049893
## 114	3	0	0	1	0.18896605
## 115	3	0	0	1	0.90906471
## 117	3	0	0	1	0.40413091
## 130	3	0	0	1	2.4312422
## 133	1	1	0	0	-6.9077554
## 135	1	1	0	0	-2.6172957
## 138	2	0	1	0	-0.48939037
## 143	1	1	0	0	-3.1941831
## 145	1	1	0	0	-2.2443161
## 152	1	1	0	0	-6.9077554
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## 173	3	0	0	1	1.1121864
## 178	1	1	0	0	-2.0174062
## 182	1	1	0	0	-1.258781
## 187	2	0	1	0	-0.38126037
## 189	2	0	1	0	-0.37979734
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## 192	1	1	0	0	-6.9077554
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## 207	1	1	0	0	-1.6144505
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## 213	3	0	0	1	-0.12443006
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## 316	2	0	1	0	-0.7940731
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## 381	3	0	0	1	0.26773447
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## 406	2	0	1	0	-0.17554459
## 408	2	0	1	0	-0.43386459
## 411	1	1	0	0	-1.2552661
## 422	1	1	0	0	-1.3783262
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## 458	1	1	0	0	-2.1715567
## 468	3	0	0	1	0.61085194
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## 472	3	0	0	1	-0.14618248
## 479	<NA>	<NA>	<NA>	<NA>	<NA>
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## 515	1	1	0	0	-6.9077554
## 517	2	0	1	0	-1.0996128
## 525	3	0	0	1	0.10526046
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## 556	1	1	0	0	-2.2633643
## 561	<NA>	<NA>	<NA>	<NA>	<NA>
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## 592	3	0	0	1	0.085259832
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## 649	2	0	1	0	-0.3634119
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## 667	3	0	0	1	0.63233501
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## 694	2	0	1	0	-0.30652517	
## 696	3	0	0	1	0.13102825	
## 710	2	0	1	0	-0.80743629	
## 712	3	0	0	1	0.25541711	
## 714	1	1	0	0	-6.9077554	
## 717	2	0	1	0	-0.44005656	
## 719	3	0	0	1	1.0952734	
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## 776	3	0	0	1	0.18398686	
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## 892	<NA>	<NA>	<NA>	<NA>	<NA>	
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## 15	2	2	0	1	0	0.23901691
## 22	3	3	0	0	1	2.406945
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## 42	3	3	0	0	1	1.8293763
## 53	1	1	1	0	0	-1.0188773

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## 63	1	1	1	0	0	-0.41400144
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## 82	1	1	1	0	0	-0.29437107
## 84	2	2	0	1	0	0.31481075
## 85	2	2	0	1	0	0.29266962
## 86	3	3	0	0	1	0.94778937
## 104	3	3	0	0	1	1.9629077
## 106	2	2	0	1	0	0.4054651
## 111	2	2	0	1	0	0.37843645
## 114	3	3	0	0	1	1.9065752
## 115	2	2	0	1	0	0.29266962
## 117	1	1	1	0	0	-0.04604394
## 130	2	2	0	1	0	0.13102826
## 133	1	1	1	0	0	-0.070422463
## 135	2	2	0	1	0	0.10436001
## 138	3	3	0	0	1	0.94000727
## 143	1	1	1	0	0	0.019802628
## 145	2	2	0	1	0	0.5423243
## 152	3	3	0	0	1	3.2108436
## 153	2	2	0	1	0	0.3852624
## 165	1	1	1	0	0	-0.067208752
## 173	1	1	1	0	0	-0.12897038
## 178	2	2	0	1	0	0.19062036
## 182	3	3	0	0	1	1.5260563
## 187	2	2	0	1	0	0.22314355
## 189	3	3	0	0	1	1.166271
## 191	2	2	0	1	0	0.69314718
## 192	3	3	0	0	1	2.0149031
## 197	1	1	1	0	0	-0.29437107
## 201	3	3	0	0	1	3.5351453
## 207	1	1	1	0	0	-0.53102833
## 208	2	2	0	1	0	0.78845733
## 213	3	3	0	0	1	2.1938856
## 219	1	1	1	0	0	-0.87707001
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## 237	3	3	0	0	1	1.7491999
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## 271	2	2	0	1	0	0.23111172
## 274	1	1	1	0	0	-0.22439434
## 284	3	3	0	0	1	0.91629076
## 288	1	1	1	0	0	-0.028399475
## 289	1	1	1	0	0	-0.20456716
## 294	3	3	0	0	1	1.6826884
## 296	2	2	0	1	0	0.41210964

## 297	2	2	0	1	0	0.28517893
## 298	1	1	1	0	0	-0.17673717
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## 304	3	3	0	0	1	4.3000026
## 307	2	2	0	1	0	0.34358969
## 316	3	3	0	0	1	1.7263317
## 317	1	1	1	0	0	-0.25747624
## 320	3	3	0	0	1	1.5129271
## 321	3	3	0	0	1	1.7137979
## 326	2	2	0	1	0	0.50077528
## 330	3	3	0	0	1	1.0612565
## 333	2	2	0	1	0	0.28517893
## 334	1	1	1	0	0	-0.5516476
## 337	3	3	0	0	1	1.0367368
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## 348	2	2	0	1	0	0.29266962
## 353	2	2	0	1	0	0.29266962
## 354	3	3	0	0	1	2.8033605
## 355	3	3	0	0	1	3.981549
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## 359	1	1	1	0	0	-0.50916034
## 364	<NA>	<NA>	<NA>	<NA>	<NA>	<NA>
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## 378	2	2	0	1	0	0.56531382
## 381	1	1	1	0	0	-1.6094379
## 386	1	1	1	0	0	-0.40047756
## 388	2	2	0	1	0	0.67294449
## 392	<NA>	<NA>	<NA>	<NA>	<NA>	<NA>
## 394	3	3	0	0	1	0.97832614
## 396	2	2	0	1	0	0.72270596
## 404	3	3	0	0	1	1.5686159
## 406	3	3	0	0	1	0.88789123
## 408	3	3	0	0	1	1.1969482
## 411	3	3	0	0	1	1.5665305
## 422	3	3	0	0	1	1.5518088
## 423	2	2	0	1	0	0.27763173
## 426	1	1	1	0	0	-0.084469154
## 452	<NA>	<NA>	<NA>	<NA>	<NA>	<NA>
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## 456	2	2	0	1	0	0.37156355
## 458	3	3	0	0	1	1.5454326
## 468	1	1	1	0	0	-0.087738916
## 469	1	1	1	0	0	-0.22690061
## 472	1	1	1	0	0	-0.83701754
## 479	1	1	1	0	0	-1.130103
## 485	2	2	0	1	0	0.66268796
## 488	1	1	1	0	0	-0.043951888
## 490	1	1	1	0	0	-0.077961542
## 495	3	3	0	0	1	1.5107219
## 498	3	3	0	0	1	1.9050882
## 501	3	3	0	0	1	2.3125355
## 502	2	2	0	1	0	0.27763173
## 506	2	2	0	1	0	0.086177699

## 515	3	3	0	0	1	2.5952547
## 517	2	2	0	1	0	0.5423243
## 525	2	2	0	1	0	0.36464313
## 526	2	2	0	1	0	0.5538851
## 533	2	2	0	1	0	0.30748469
## 556	1	1	1	0	0	-0.26918748
## 561	1	1	1	0	0	-0.010050336
## 571	2	2	0	1	0	0.71783978
## 572	2	2	0	1	0	0.3220835
## 582	1	1	1	0	0	-0.77002823
## 592	3	3	0	0	1	1.6114359
## 598	1	1	1	0	0	-0.48450831
## 600	1	1	1	0	0	-0.51751459
## 607	3	3	0	0	1	1.0402768
## 612	3	3	0	0	1	1.3083328
## 622	2	2	0	1	0	0.6205765
## 627	3	3	0	0	1	2.2016592
## 630	3	3	0	0	1	0.91228271
## 635	3	2	0	1	0	0.82855183
## 640	1	1	1	0	0	-0.14502577
## 642	<NA>	<NA>	<NA>	<NA>	<NA>	<NA>
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## 657	1	1	1	0	0	-0.06400533
## 662	1	1	1	0	0	-0.71949118
## 664	2	2	0	1	0	0.75612199
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## 687	3	3	0	0	1	0.84156716
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## 691	3	3	0	0	1	1.8885837
## 694	2	2	0	1	0	0.45742485
## 696	2	2	0	1	0	0.55961579
## 710	1	1	1	0	0	-0.67727381
## 712	3	3	0	0	1	1.52388
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## 776	3	3	0	0	1	1.0367368
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## 799	1	1	1	0	0	0.019802628
## 802	2	2	0	1	0	0.10436001
## 810	1	1	1	0	0	-0.50087529
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## 378	1	1	1	0	0 3.0155349
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## 657	1	1	1	0	0 2.4595888
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## 664	1	1	1	0	0 2.5176964
## 667	3	3	0	0	1 4.1774592
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## 710	3	3	0	0	1 4.2427645
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## 111	67.839996	3	3	0	0
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## 406	22.17	2	2	0	1
## 408	21.09	2	2	0	1
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## 525	56.16	3	3	0	0
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## 710	69.092003	3	3	0	0
## 712	73.510002	3	3	0	0
## 714	22.9	2	2	0	1
## 717	21.75	2	2	0	1
## 719	-47.5	1	1	1	0
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## 740	8.3400002	1	1	1	0
## 743	19.530001	2	2	0	1

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## 822	60.417	3	3	0	0	
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## 84	<NA>	<NA>	5353.2002	1	1	1
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## 86	0	3.2778993	8208.7588	2	2	0
## 104	0	2.3776925	17516	3	3	0
## 106	0	2.3608541	5182	1	1	1
## 111	1	4.2171521	3697.832	1	1	1
## 114	1	5.2589006	4940.8174	1	1	1
## 115	1	4.1722312	16508.943	3	3	0
## 117	0	1.9830682	3701	1	1	1
## 130	1	4.229167	4413	1	1	1
## 133	0	2.6295841	10590	2	3	0
## 135	0	2.3311725	15413.793	3	3	0

## 138	0	3.0368743	6761.5278	1	1	1
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## 178	0	2.3408439	6402	1	1	1
## 182	0	3.2503746	10171.47	2	3	0
## 187	0	3.5395091	5316.2417	1	1	1
## 189	0	1.6272779	21465.322	3	3	0
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## 197	<NA>	<NA>	11317.194	2	3	0
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## 207	0	0.96774399	3804.8184	1	1	1
## 208	0	2.2512918	19358.666	3	3	0
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## 294	1	3.8840349	7743	1	1	1
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## 326	0	2.8593397	11691	2	3	0
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## 406	0	3.0987401	5732.5151	1	1	1
## 408	0	3.048799	12417	2	3	0
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## 422	0	1.9286187	27557.699	3	3	0
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## 515	0	2.8213789	3328	1	1	1
## 517	0	3.2950959	8242	2	2	0
## 525	1	4.0282049	12042	2	3	0
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## 649	0	3.5776687	15065.602	3	3	0
## 657	0	2.3760214	5980	1	1	1
## 662	0	3.339783	5934	1	1	1
## 664	0	2.329227	5344	1	1	1
## 667	1	3.9963641	14267	3	3	0
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## 710	1	4.2354388	9640.4287	2	2	0
## 712	1	4.2974215	16271	3	3	0
## 714	0	3.1311369	6947	1	1	1
## 717	0	3.0796137	7396	1	1	1
## 719	0	-6.9077554	9109.3887	2	2	0
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## 22	0	1	9.5223007	114244	3	3
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## 66	0	0	8.6267653	7525	1	1
## 78	0	1	9.2807055	8177	1	1
## 82	0	0	8.880168	7949	1	1
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## 104	0	1	9.7708702	17509	3	3
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## 114	0	0	8.5052862	5022.5156	1	1
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## 117	0	0	8.2163582	10660	2	2
## 130	0	0	8.3923101	6331	1	1
## 133	0	1	9.2676659	11863	2	2
## 135	0	1	9.6430178	15781.437	3	3
## 138	0	0	8.8190041	5617.748	1	1
## 143	1	0	9.0305738	20191.213	3	3
## 145	0	0	8.9332685	6926	1	1
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## 182	0	1	9.2273417	9638.4844	2	2
## 187	0	0	8.5785217	6051.5283	1	1
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## 191	0	1	9.2478285	7420	1	1
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## 288	0	1	9.925396	17794	3	3
## 289	0	0	8.4499846	5732	1	1
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## 296	0	0	8.6816845	5419.3374	1	1
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## 408	0	1	9.4268217	12147	2	2
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## 468	0	1 9.3226862	11144	2	2
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## 479	0	0 8.5910015	<NA>	<NA>	<NA>
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## 506	0	0 8.5682669	5632	1	1
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## 526	0	1 10.205154	16841.572	3	3
## 533	0	0 8.3074589	3735	1	1
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## 86	11.244804	1423.597	1	1	1
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## 106	7.7075124	921	1	1	1
## 111	6.2784948	5871.0054	3	3	0
## 114	4.4030323	1720.4969	2	2	0
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##	logntbnpdifff	st20_adj	tst2_0	st2pre3cat	i_st2pre3cat1	i_st2pre3cat2
## 9	<NA>	4035	2	2	0	1
## 15	9.2146311	2161	1	1	1	0

## 22	8.2839994	3056	1	1	1	0
## 24	<NA>	<NA>	<NA>	<NA>	<NA>	<NA>
## 31	<NA>	<NA>	<NA>	<NA>	<NA>	<NA>
## 32	7.6582274	2369	1	1	1	0
## 42	9.4175987	3312	2	2	0	1
## 53	9.891715	1689.5249	1	1	1	0
## 61	<NA>	3690	2	2	0	1
## 63	-6.9077554	6007.2856	3	3	0	0
## 64	<NA>	<NA>	<NA>	<NA>	<NA>	<NA>
## 66	11.290794	14835	3	3	0	0
## 78	8.6833849	3763	2	2	0	1
## 82	9.7971268	5996	3	3	0	0
## 84	<NA>	3013.3081	1	1	1	0
## 85	9.3529682	2243	1	1	1	0
## 86	7.8445606	4328.5859	2	2	0	1
## 104	9.8184195	6435	3	3	0	0
## 106	9.2485027	4245	2	2	0	1
## 111	9.2585125	2202.1816	1	1	1	0
## 114	8.7881603	4934.0313	3	3	0	0
## 115	9.7521563	3103.0039	1	1	1	0
## 117	9.2437754	2427	1	1	1	0
## 130	9.6928902	5582	3	3	0	0
## 133	9.8416653	4544	2	2	0	1
## 135	10.085372	3456.3735	2	2	0	1
## 138	-6.9077554	9097.917	3	3	0	0
## 143	8.659461	3507.4072	2	2	0	1
## 145	8.7699728	3183	1	1	1	0
## 152	-6.9077554	15860	3	3	0	0
## 153	<NA>	3561	2	2	0	1
## 165	9.3504925	2222.2859	1	1	1	0
## 173	7.9341555	6878	3	3	0	0
## 178	9.0264177	5806	3	3	0	0
## 182	8.4150276	2659.1653	1	1	1	0
## 187	8.980073	3612.5676	2	2	0	1
## 189	9.2127934	2512.25	1	1	1	0
## 191	6.9837899	1704	1	1	1	0
## 192	-6.9077554	7904.8115	3	3	0	0
## 197	<NA>	4475.501	2	2	0	1
## 201	7.9707403	9904	3	3	0	0
## 207	9.3532686	3301.7258	2	2	0	1
## 208	10.588207	4483.2334	2	2	0	1
## 213	8.6161327	4660	3	2	0	1
## 219	<NA>	3113.0559	1	1	1	0
## 221	<NA>	<NA>	<NA>	<NA>	<NA>	<NA>
## 235	<NA>	4432.1997	2	2	0	1
## 237	<NA>	2533.1274	1	1	1	0
## 240	<NA>	3181.1008	1	1	1	0
## 244	8.1636562	2946	1	1	1	0
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## 247	9.2459974	2555	1	1	1	0
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## 260	9.1551447	3743	2	2	0	1
## 263	9.6829491	2131.8169	1	1	1	0
## 271	<NA>	7577.7314	3	3	0	0

## 274	<NA>	2209.9141	1	1	1	0
## 284	4.7108545	4688.1416	3	3	0	0
## 288	9.975296	5414	3	3	0	0
## 289	10.039809	3412	2	2	0	1
## 294	9.47616	4180	2	2	0	1
## 296	9.9355698	3869.2825	2	2	0	1
## 297	8.0343065	3148	1	1	1	0
## 298	<NA>	5406.4795	3	3	0	0
## 300	<NA>	1992.6342	1	1	1	0
## 301	9.7564869	2636.7412	1	1	1	0
## 304	<NA>	40912	3	3	0	0
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## 316	9.668417	3996.8669	2	2	0	1
## 317	<NA>	6531.5405	3	3	0	0
## 320	9.5223007	8121	3	3	0	0
## 321	10.90513	26109	3	3	0	0
## 326	9.724062	1409	1	1	1	0
## 330	<NA>	3326	2	2	0	1
## 333	10.637854	4668.0376	3	2	0	1
## 334	10.346721	2945.2632	1	1	1	0
## 337	9.700943	3880	2	2	0	1
## 338	<NA>	2482.0938	1	1	1	0
## 348	9.5211287	1686	1	1	1	0
## 353	9.1035347	2917	1	1	1	0
## 354	9.5941734	9708	3	3	0	0
## 355	<NA>	83621.039	3	3	0	0
## 356	9.1363707	2988	1	1	1	0
## 359	<NA>	2739	1	1	1	0
## 364	<NA>	<NA>	<NA>	<NA>	<NA>	<NA>
## 369	8.9181147	4801	3	3	0	0
## 378	9.8516674	3720	2	2	0	1
## 381	10.005811	6543.1392	3	3	0	0
## 386	9.5592356	2075	1	1	1	0
## 388	<NA>	11188	3	3	0	0
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## 404	8.9808016	5081	3	3	0	0
## 406	8.5577917	3759.4829	2	2	0	1
## 408	8.8794727	5694	3	3	0	0
## 411	8.5061321	6518	3	3	0	0
## 422	10.955926	4810.313	3	3	0	0
## 423	<NA>	3234.4543	2	2	0	1
## 426	9.5410824	1791	1	1	1	0
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## 454	8.8002644	2609	1	1	1	0
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## 458	10.245002	3608.7014	2	2	0	1
## 468	9.0489969	5197	3	3	0	0
## 469	8.545392	4021	2	2	0	1
## 472	9.4143419	2630	1	1	1	0
## 479	<NA>	3300	2	2	0	1
## 485	7.7075124	8212	3	3	0	0
## 488	9.8826618	4813.4063	3	3	0	0

## 490	<NA>	5763.7153	3	3	0	0
## 495	9.3956575	3457	2	2	0	1
## 498	<NA>	2387	1	1	1	0
## 501	10.525312	4304.6157	2	2	0	1
## 502	9.5347757	2405.5432	1	1	1	0
## 506	8.4561682	1016	1	1	1	0
## 515	8.1140251	9492	3	3	0	0
## 517	8.8740282	3406	2	2	0	1
## 525	8.3344717	4053	2	2	0	1
## 526	-6.9077554	2574.1091	1	1	1	0
## 533	9.3294563	4673	3	3	0	0
## 556	9.5946503	2508	1	1	1	0
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## 572	8.681181	3273	2	2	0	1
## 582	9.4855947	2734.1692	1	1	1	0
## 592	9.1851254	5508	3	3	0	0
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## 600	9.7949781	6661.4448	3	3	0	0
## 607	9.6800022	2270.9998	1	1	1	0
## 612	10.055264	3113	1	1	1	0
## 622	<NA>	3553	2	2	0	1
## 627	11.067533	20657.051	3	3	0	0
## 630	<NA>	4397	2	2	0	1
## 635	8.891099	2698	1	1	1	0
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## 644	8.1014948	1613.7476	1	1	1	0
## 645	8.5147905	36836	3	3	0	0
## 649	9.889555	4856.7075	3	3	0	0
## 657	8.4551048	1167	1	1	1	0
## 662	9.1048689	4907	3	3	0	0
## 664	9.3610849	4533	2	2	0	1
## 667	10.21112	5650	3	3	0	0
## 669	10.768274	3407	2	2	0	1
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## 679	7.9309254	4264	2	2	0	1
## 683	7.3658128	2505	1	1	1	0
## 687	8.5235729	3581	2	2	0	1
## 688	<NA>	6575	3	3	0	0
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## 694	11.375456	4055.6328	2	2	0	1
## 696	10.361901	2854.7944	1	1	1	0
## 710	8.0051689	955.72211	1	1	1	0
## 712	11.49771	7402	3	3	0	0
## 714	10.122864	3649	2	2	0	1
## 717	9.0803452	6425	3	3	0	0
## 719	11.257267	9776.0469	3	3	0	0
## 722	<NA>	<NA>	<NA>	<NA>	<NA>	<NA>
## 725	<NA>	2325.1265	1	1	1	0
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## 733	8.939188	3883	2	2	0	1
## 740	10.086185	3347	2	2	0	1
## 743	10.612877	5567	3	3	0	0

## 746	<NA>	<NA>	<NA>	<NA>	<NA>	<NA>
## 747	8.8204041	5171	3	3	0	0
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## 759	<NA>	2990	1	1	1	0
## 763	11.347215	3449.4143	2	2	0	1
## 766	7.8697839	4560	2	2	0	1
## 776	9.156724	3886.2937	2	2	0	1
## 793	<NA>	2289	1	1	1	0
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## 799	7.913713	2440.3389	1	1	1	0
## 802	<NA>	3784	2	2	0	1
## 810	<NA>	3444.0017	2	2	0	1
## 818	8.9669943	4001	2	2	0	1
## 822	9.388319	2390	1	1	1	0
## 823	<NA>	<NA>	<NA>	<NA>	<NA>	<NA>
## 828	9.6480141	2248	1	1	1	0
## 835	8.3284512	3857	2	2	0	1
## 836	<NA>	7594	3	3	0	0
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## 856	<NA>	4409.0024	2	2	0	1
## 860	5.9788857	2433	1	1	1	0
## 861	<NA>	6188	3	3	0	0
## 864	9.9564123	1987	1	1	1	0
## 886	8.0959415	3220.5359	2	2	0	1
## 892	<NA>	2520	1	1	1	0
## 898	8.994669	5341	3	3	0	0
##	i_st2pre3cat3	logst20	st21_adj	tst2_1	st2post3cat	i_st2post3cat1
## 9	0	8.302762	<NA>	<NA>	<NA>	<NA>
## 15	0	7.6783261	84031	3	3	0
## 22	0	8.0248623	20602	1	1	1
## 24	<NA>	<NA>	<NA>	<NA>	<NA>	<NA>
## 31	<NA>	<NA>	14931.225	1	1	1
## 32	0	7.7702231	21786	1	1	1
## 42	0	8.1053076	50464	2	2	0
## 53	0	7.4322028	15982.828	1	1	1
## 61	0	8.2133818	<NA>	<NA>	<NA>	<NA>
## 63	1	8.7007284	78453.492	3	3	0
## 64	<NA>	<NA>	19703.648	1	1	1
## 66	1	9.6047449	143772	3	3	0
## 78	0	8.2329721	16632	1	1	1
## 82	1	8.6988478	32602	2	2	0
## 84	0	8.0107937	<NA>	<NA>	<NA>	<NA>
## 85	0	7.7155695	7562	1	1	1
## 86	0	8.3729963	13404.853	1	1	1
## 104	1	8.7695074	63517	3	3	0
## 106	0	8.3534975	23903	1	1	1
## 111	0	7.6972036	73747.57	3	3	0
## 114	1	8.503912	56074.441	2	2	0
## 115	0	8.0401258	105441.05	3	3	0
## 117	0	7.7944112	31262	2	2	0
## 130	1	8.6273022	363459	3	3	0
## 133	0	8.4215631	12807	1	1	1
## 135	0	8.147975	43179.152	2	2	0

## 138	1	9.1158009	53197.223	2	2	0
## 143	0	8.162632	31851.217	2	2	0
## 145	0	8.0655794	19597	1	1	1
## 152	1	9.6715555	2440	1	1	1
## 153	0	8.1777964	<NA>	<NA>	<NA>	<NA>
## 165	0	7.7062917	57124.5	2	2	0
## 173	1	8.8360834	82893	3	3	0
## 178	1	8.666647	13779	1	1	1
## 182	0	7.8857675	32404.855	2	2	0
## 187	0	8.192174	22405.342	1	1	1
## 189	0	7.8289342	78146.516	3	3	0
## 191	0	7.4407339	3601	1	1	1
## 192	1	8.9752274	26631.861	1	1	1
## 197	0	8.406374	<NA>	<NA>	<NA>	<NA>
## 201	1	9.2006941	68727	3	3	0
## 207	0	8.1022005	6897.2822	1	1	1
## 208	0	8.4081001	23988.16	1	1	1
## 213	0	8.4467707	78032	3	3	0
## 219	0	8.0433598	<NA>	<NA>	<NA>	<NA>
## 221	<NA>	<NA>	91116	3	3	0
## 235	0	8.3966513	<NA>	<NA>	<NA>	<NA>
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## 240	0	8.0649824	<NA>	<NA>	<NA>	<NA>
## 244	0	7.9882035	51636	2	2	0
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## 260	0	8.227643	25951	1	1	1
## 263	0	7.6647301	135767.44	3	3	0
## 271	1	8.9329691	<NA>	<NA>	<NA>	<NA>
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## 284	1	8.4527912	4786.3428	1	1	1
## 288	1	8.5967436	49682	2	2	0
## 289	0	8.1350536	49777	2	2	0
## 294	0	8.3380661	61701	2	2	0
## 296	0	8.2608242	26717.689	1	1	1
## 297	0	8.0545225	110376	3	3	0
## 298	1	8.5953531	<NA>	<NA>	<NA>	<NA>
## 300	0	7.5972128	<NA>	<NA>	<NA>	<NA>
## 301	0	7.8772988	33381.453	2	2	0
## 304	1	10.619179	<NA>	<NA>	<NA>	<NA>
## 307	0	8.1086235	26366	1	1	1
## 316	0	8.2932663	66306.695	3	3	0
## 317	1	8.7843981	<NA>	<NA>	<NA>	<NA>
## 320	1	9.0022087	100589	3	3	0
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## 326	0	7.2506356	12543	1	1	1
## 330	0	8.1095257	<NA>	<NA>	<NA>	<NA>
## 333	0	8.448494	23823.461	1	1	1
## 334	0	7.9879537	135929.05	3	3	0
## 337	0	8.2635908	21054	1	1	1
## 338	0	7.8168578	<NA>	<NA>	<NA>	<NA>
## 348	0	7.4301143	39454	2	2	0
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## 354	1	9.180706	91283	3	3	0
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## 356	0	8.0023594	36672	2	2	0
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## 364	<NA>	<NA>	51070	2	2	0
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## 381	1	8.7861719	69813.336	3	3	0
## 386	0	7.6377163	40491	2	2	0
## 388	1	9.3225975	<NA>	<NA>	<NA>	<NA>
## 392	<NA>	<NA>	92755	3	3	0
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## 396	0	8.1332941	13980	1	1	1
## 404	1	8.5332632	102732	3	3	0
## 406	0	8.2320366	12322.319	1	1	1
## 408	1	8.6471682	70843	3	3	0
## 411	1	8.7823229	47542	2	2	0
## 422	1	8.4785175	45022.551	2	2	0
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## 426	0	7.4905295	78000	3	3	0
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## 454	0	7.8667221	26043	1	1	1
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## 458	0	8.191103	52056.695	2	2	0
## 468	1	8.5558367	151911	3	3	0
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## 472	0	7.8747392	13992	1	1	1
## 479	0	8.1016779	<NA>	<NA>	<NA>	<NA>
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## 495	0	8.1481562	47383	2	2	0
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## 501	0	8.3674431	140888.59	3	3	0
## 502	0	7.785531	59352.195	2	2	0
## 506	0	6.9236288	28204	1	1	1
## 515	1	9.158205	100927	3	3	0
## 517	0	8.1332941	16052	1	1	1
## 525	0	8.3072128	50186	2	2	0
## 526	0	7.8532586	66602.852	3	3	0
## 533	1	8.4495564	14900	1	1	1
## 556	0	7.8272409	13733	1	1	1
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## 582	0	7.9135828	15463.985	1	1	1
## 592	1	8.6139565	94248	3	3	0
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## 600	1	8.8040915	31838.072	2	2	0
## 607	0	7.7279754	85739.711	3	3	0
## 612	0	8.0433426	46545	2	2	0
## 622	0	8.1755476	<NA>	<NA>	<NA>	<NA>
## 627	1	9.935812	158022.77	3	3	0
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## 645	1	10.514231	27537	1	1	1
## 649	1	8.4881163	30000.086	1	1	1
## 657	0	7.0621915	6511	1	1	1
## 662	1	8.4984179	51928	2	2	0
## 664	0	8.4191389	48820	2	2	0
## 667	1	8.639411	27421	1	1	1
## 669	0	8.1335878	107191	3	3	0
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## 687	0	8.1833973	41003	2	2	0
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## 696	0	7.9567552	61099.715	2	2	0
## 710	0	6.8624673	17563.326	1	1	1
## 712	1	8.9095058	86810	3	3	0
## 714	0	8.2022085	26144	1	1	1
## 717	1	8.767952	77444	3	3	0
## 719	1	9.1876907	27433.709	1	1	1
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## 729	0	8.3765507	44487	2	2	0
## 733	0	8.2643633	25226	1	1	1
## 740	0	8.1158199	15412	1	1	1
## 743	1	8.6246119	17616	1	1	1
## 746	<NA>	<NA>	26012	1	1	1
## 747	1	8.5508213	16277	1	1	1
## 749	0	8.364974	22258	1	1	1
## 759	0	8.0030289	<NA>	<NA>	<NA>	<NA>
## 763	0	8.1459599	187930.84	3	3	0
## 766	0	8.4250774	39262	2	2	0
## 776	0	8.2652111	19949.539	1	1	1
## 793	0	7.7358704	<NA>	<NA>	<NA>	<NA>
## 795	1	8.5318851	<NA>	<NA>	<NA>	<NA>
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## 802	0	8.2385368	<NA>	<NA>	<NA>	<NA>
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## 818	0	8.2943001	16927	1	1	1
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## 835	0	8.2576447	36634	2	2	0
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## 841	<NA>	<NA>	80085	3	3	0
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## 22	0	0	9.9331436	17546	1	1
## 24	<NA>	<NA>	<NA>	<NA>	<NA>	<NA>
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## 32	0	0	9.9890232	19417	1	1
## 42	1	0	10.829016	47152	2	2
## 53	0	0	9.6792698	14293.303	1	1
## 61	<NA>	<NA>	<NA>	<NA>	<NA>	<NA>
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## 82	1	0	10.392129	26606	2	1
## 84	<NA>	<NA>	<NA>	<NA>	<NA>	<NA>
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## 104	0	1	11.059063	57082	2	2
## 106	0	0	10.081759	19658	1	1
## 111	0	1	11.208404	71545.391	3	3
## 114	1	0	10.934436	51140.41	2	2
## 115	0	1	11.565907	102338.05	3	3
## 117	1	0	10.350159	28835	2	2
## 130	0	1	12.803422	357877	3	3
## 133	0	0	9.4577475	8263	1	1
## 135	1	0	10.673113	39722.777	2	2
## 138	1	0	10.881762	44099.305	2	2
## 143	1	0	10.368831	28343.809	2	2
## 145	0	0	9.883132	16414	1	1
## 152	0	0	7.7997532	-13420	1	1
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## 165	1	0	10.952989	54902.215	2	2
## 173	0	1	11.325306	76015	3	3
## 178	0	0	9.530901	7973	1	1
## 182	1	0	10.386064	29745.689	2	2
## 187	0	0	10.017055	18792.773	1	1
## 189	0	1	11.266341	75634.266	3	3
## 191	0	0	8.1889668	1897	1	1
## 192	0	0	10.189863	18727.051	1	1
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## 208	0	0	10.085316	19504.926	1	1
## 213	0	1	11.264874	73372	3	3
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## 289	1	0	10.815309	46365	2	2
## 294	1	0	11.030055	57521	2	2
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## 316	0	1	11.102046	62309.828	3	3
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## 337	0	0	9.9548454	17174	1	1
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## 378	0	0	9.9971142	18243	1	1
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## 386	1	0	10.608835	38416	2	2
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## 406	0	0	9.4191675	8562.8359	1	1
## 408	0	1	11.168221	65149	3	3
## 411	1	0	10.769369	41024	2	2
## 422	1	0	10.714919	40212.238	2	2
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## 458	1	0	10.860088	48447.992	2	2

## 468	0	1	11.93105	146714	3	3
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## 472	0	0	9.5462408	11362	1	1
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## 488	0	1	11.929379	146844.06	3	3
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## 506	0	0	10.247219	27188	2	2
## 515	0	1	11.522153	91435	3	3
## 517	0	0	9.683589	12646	1	1
## 525	1	0	10.823491	46133	2	2
## 526	0	1	11.106503	64028.742	3	3
## 533	0	0	9.6091166	10227	1	1
## 556	0	0	9.5275574	11225	1	1
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## 582	0	0	9.6462688	12729.816	1	1
## 592	0	1	11.453685	88740	3	3
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## 612	1	0	10.748175	43432	2	2
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## 627	0	1	11.970494	137365.72	3	3
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## 635	0	1	12.591753	291425	3	3
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## 642	1	0	10.558829	<NA>	<NA>	<NA>
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## 645	0	0	10.223286	-9299	1	1
## 649	0	0	10.308955	25143.379	1	1
## 657	0	0	8.7812481	5344	1	1
## 662	1	0	10.857614	47021	2	2
## 664	1	0	10.795896	44287	2	2
## 667	0	0	10.219065	21771	1	1
## 669	0	1	11.582368	103784	3	3
## 670	0	1	12.152028	<NA>	<NA>	<NA>
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## 687	1	0	10.621401	37422	2	2
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## 696	1	0	11.020263	58244.922	3	2
## 710	0	0	9.7735682	16607.604	1	1
## 712	0	1	11.371477	79408	3	3
## 714	0	0	10.171375	22495	1	1
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## 740	0	0	9.6429014	12065	1	1
## 743	0	0	9.7765627	12049	1	1
## 746	0	0	10.166313	<NA>	<NA>	<NA>
## 747	0	0	9.6975088	11106	1	1
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## 766	1	0	10.578012	34702	2	2
## 776	0	0	9.9009609	16063.245	1	1
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## 835	1	0	10.508732	32777	2	2
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## 104	0	1	0	10.952244		
## 106	1	0	0	9.88624		
## 111	0	0	1	11.178087		

## 114	0	1	0	10.84233
## 115	0	0	1	11.536036
## 117	0	1	0	10.269345
## 130	0	0	1	12.787945
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## 135	0	1	0	10.58968
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## 182	0	1	0	10.30044
## 187	1	0	0	9.8412275
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## 289	0	1	0	10.7443
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## 469	0	1	0	10.770504
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## 506	0	1	0	10.210531
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## 517	1	0	0	9.445096
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## 740	1	0	0	9.3980637
## 743	1	0	0	9.3967371
## 746	<NA>	<NA>	<NA>	<NA>
## 747	1	0	0	9.3152409
## 749	1	0	0	9.7961254
## 759	<NA>	<NA>	<NA>	<NA>
## 763	0	0	1	12.125304
## 766	0	1	0	10.454553
## 776	1	0	0	9.684289
## 793	<NA>	<NA>	<NA>	<NA>
## 795	<NA>	<NA>	<NA>	<NA>
## 799	1	0	0	9.8060112
## 802	<NA>	<NA>	<NA>	<NA>
## 810	<NA>	<NA>	<NA>	<NA>
## 818	1	0	0	9.4669962
## 822	0	1	0	10.240924
## 823	<NA>	<NA>	<NA>	<NA>
## 828	1	0	0	9.3553057
## 835	0	1	0	10.397482
## 836	<NA>	<NA>	<NA>	<NA>

## 841	<NA>	<NA>	<NA>	<NA>				
## 855	<NA>	<NA>	<NA>	<NA>				
## 856	<NA>	<NA>	<NA>	<NA>				
## 860	0	1	0	10.424214				
## 861	<NA>	<NA>	<NA>	<NA>				
## 864	0	1	0	10.662657				
## 886	0	1	0	10.779864				
## 892	<NA>	<NA>	<NA>	<NA>				
## 898	1	0	0	9.8951025				
##	readmit30d_yn_state.1	dead.1	obleed.1	ocva.1	oleginf.1	otia.1	orf.1	opneu.1
## 9	0	0	0	1	0	0	0	0
## 15	0	0	0	0	0	0	0	0
## 22	1	1	0	0	0	0	0	0
## 24	0	0	0	0	0	0	0	0
## 31	0	0	0	0	0	0	0	0
## 32	0	0	0	0	0	0	0	0
## 42	0	0	0	0	0	0	0	0
## 53	0	0	0	0	0	0	0	0
## 61	0	0	0	0	0	0	0	1
## 63	1	0	0	0	0	0	0	0
## 64	0	0	0	0	0	0	0	0
## 66	0	0	0	0	0	0	0	0
## 78	0	0	0	0	0	0	0	0
## 82	1	0	0	0	0	0	0	0
## 84	1	0	0	0	0	0	0	0
## 85	0	0	0	0	0	0	0	0
## 86	0	0	0	0	0	0	0	0
## 104	1	0	0	0	0	0	0	0
## 106	0	0	0	1	0	0	0	0
## 111	0	0	0	0	0	0	0	0
## 114	0	0	0	0	0	0	0	0
## 115	0	0	0	0	0	0	0	0
## 117	0	0	0	0	0	0	0	0
## 130	0	0	1	0	0	0	0	0
## 133	0	0	0	0	0	0	0	0
## 135	0	0	0	0	0	0	0	0
## 138	0	0	0	0	0	0	0	0
## 143	0	0	0	0	0	0	0	0
## 145	0	0	0	0	0	0	0	0
## 152	0	0	0	0	0	0	0	0
## 153	0	0	0	0	0	0	0	0
## 165	0	0	0	0	0	0	0	0
## 173	0	0	0	0	0	0	0	0
## 178	1	0	0	0	0	0	0	0
## 182	0	1	0	0	0	0	0	0
## 187	0	0	0	0	0	0	0	0
## 189	0	0	0	0	0	0	0	0
## 191	0	0	0	0	0	0	0	0
## 192	0	0	1	0	0	0	0	0
## 197	0	0	0	0	0	0	0	0
## 201	0	0	0	0	0	0	0	0
## 207	1	0	0	0	0	0	0	0
## 208	0	0	0	0	0	0	0	0
## 213	0	0	0	0	0	0	0	0

## 219	0	0	0	0	0	0	0	0
## 221	1	0	0	0	0	0	0	0
## 235	0	0	0	0	1	0	0	0
## 237	0	0	0	0	0	0	0	0
## 240	0	0	0	0	0	0	0	0
## 244	0	0	0	0	0	0	0	0
## 245	0	0	1	0	0	0	0	0
## 247	0	0	0	0	0	0	0	0
## 253	0	0	0	0	0	0	0	0
## 260	0	0	0	0	0	0	0	0
## 263	0	0	0	0	0	0	0	0
## 271	0	0	0	0	0	0	0	0
## 274	0	1	0	0	0	0	0	0
## 284	0	0	0	0	0	0	0	0
## 288	0	0	0	0	0	0	0	0
## 289	0	0	0	0	1	0	0	0
## 294	0	0	0	0	0	0	0	0
## 296	0	0	0	0	0	0	0	0
## 297	0	0	0	0	0	0	0	0
## 298	0	0	0	0	0	0	0	0
## 300	0	0	0	0	0	0	0	0
## 301	0	1	0	0	0	0	0	0
## 304	0	0	0	0	0	0	0	0
## 307	1	0	0	0	0	0	0	0
## 316	0	0	0	0	0	0	0	0
## 317	0	0	1	0	0	0	0	0
## 320	0	1	0	0	0	0	0	0
## 321	0	1	0	0	0	0	1	0
## 326	0	0	0	0	0	0	0	0
## 330	1	0	0	0	0	0	0	0
## 333	0	0	0	0	0	0	0	0
## 334	0	0	0	0	0	0	0	0
## 337	0	0	0	0	0	0	0	0
## 338	0	0	0	0	0	0	0	0
## 348	0	0	0	0	0	0	0	0
## 353	0	0	0	0	0	0	0	0
## 354	0	0	0	0	0	0	0	0
## 355	0	0	0	0	0	0	0	0
## 356	0	1	0	0	0	0	0	0
## 359	0	0	0	0	0	0	0	0
## 364	0	0	0	0	0	0	0	0
## 369	0	0	0	0	0	0	0	0
## 378	0	1	0	0	0	0	0	0
## 381	0	0	0	0	0	0	0	0
## 386	0	0	0	0	0	0	0	0
## 388	0	0	0	0	0	0	0	0
## 392	0	0	0	0	0	0	0	0
## 394	0	0	0	0	0	0	0	0
## 396	0	0	0	0	0	0	0	0
## 404	1	0	0	0	0	0	0	0
## 406	0	0	0	0	0	0	0	0
## 408	0	1	0	0	0	0	0	0
## 411	0	0	0	0	0	0	0	0
## 422	0	0	0	1	0	0	0	0

## 423	0	0	0	0	0	0	0	0
## 426	0	0	0	0	0	0	0	0
## 452	0	1	0	0	0	0	0	0
## 454	0	0	0	0	0	0	0	0
## 456	0	0	0	0	0	0	0	0
## 458	0	0	0	0	0	0	0	0
## 468	0	0	0	0	0	0	0	0
## 469	1	0	0	0	0	0	0	0
## 472	0	0	0	0	0	0	0	0
## 479	0	0	0	0	0	0	0	0
## 485	0	0	0	0	0	0	0	0
## 488	0	0	0	0	0	0	0	0
## 490	0	0	0	0	0	0	0	0
## 495	0	0	0	0	0	0	0	0
## 498	0	0	0	0	0	0	0	0
## 501	0	0	0	0	0	0	0	0
## 502	0	0	0	0	0	0	0	0
## 506	0	0	0	0	0	0	0	0
## 515	0	0	0	0	0	0	0	0
## 517	0	0	0	0	0	0	0	0
## 525	0	0	0	0	0	0	0	0
## 526	0	0	0	0	0	0	0	0
## 533	0	0	0	0	0	0	0	0
## 556	0	0	0	0	0	0	0	0
## 561	0	0	0	0	0	0	0	0
## 571	0	0	0	0	0	0	0	0
## 572	0	0	0	0	0	0	0	0
## 582	0	0	0	0	0	0	0	0
## 592	0	0	0	0	0	0	0	0
## 598	0	0	0	0	0	0	0	0
## 600	0	0	0	0	0	0	0	0
## 607	0	0	0	0	0	0	0	0
## 612	0	1	0	0	0	0	0	0
## 622	0	0	0	0	0	0	0	0
## 627	0	0	0	0	0	0	0	0
## 630	1	0	0	0	0	0	0	0
## 635	1	1	0	0	0	0	0	0
## 640	0	0	0	0	0	0	0	0
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## 644	0	0	0	0	0	0	0	0
## 645	0	0	0	0	0	0	0	0
## 649	0	0	0	0	0	0	0	0
## 657	0	0	0	0	0	0	0	0
## 662	0	0	0	0	0	0	0	0
## 664	0	0	0	0	0	0	0	0
## 667	0	1	1	0	0	0	0	0
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## 670	0	0	0	0	0	0	0	0
## 679	0	0	0	0	0	0	0	0
## 683	0	0	0	0	0	0	0	0
## 687	0	0	0	0	0	0	0	0
## 688	0	1	0	0	0	0	0	1
## 691	0	1	0	0	0	0	0	0
## 694	0	0	0	0	0	0	0	0

## 696		1	0	0	0	0	0	0	0
## 710		0	0	0	0	0	0	0	0
## 712		0	0	0	0	0	0	0	0
## 714		0	0	0	0	0	0	0	0
## 717		0	0	0	0	0	0	0	0
## 719		0	0	0	0	0	0	0	0
## 722		0	0	0	0	0	0	0	0
## 725		1	0	0	0	0	0	0	0
## 729		0	0	0	0	0	0	0	0
## 733		0	1	0	0	0	0	0	0
## 740		0	0	0	0	0	0	0	0
## 743		1	1	0	0	0	0	0	0
## 746		0	0	0	0	0	0	0	0
## 747		0	0	0	0	0	0	0	0
## 749		0	0	0	0	0	0	0	0
## 759		0	0	0	0	0	0	0	0
## 763		0	1	0	0	0	0	1	1
## 766		0	0	0	0	0	0	0	1
## 776		0	0	0	0	0	0	0	0
## 793		0	0	0	0	0	0	0	0
## 795		0	0	0	0	0	0	0	0
## 799		0	0	0	0	0	0	0	0
## 802		0	1	0	0	0	0	0	0
## 810		0	0	0	0	0	0	0	0
## 818		0	0	0	0	0	0	0	0
## 822		0	0	0	0	0	0	0	0
## 823		0	0	0	0	0	0	0	0
## 828		0	0	0	0	0	0	0	0
## 835		1	0	0	0	0	0	0	0
## 836		0	0	0	0	0	0	0	0
## 841		0	1	0	0	0	0	0	0
## 855		0	0	0	0	0	0	0	0
## 856		0	0	0	0	0	0	0	0
## 860		0	0	0	0	0	0	0	0
## 861		1	1	0	0	0	0	0	0
## 864		0	0	0	0	0	0	0	0
## 886		0	0	0	0	0	0	0	0
## 892		0	0	0	0	0	0	0	0
## 898		0	0	0	0	0	0	0	0
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## 9	1	0	0	0	0	0	0		
## 15	1	0	0	0	0	0	0		
## 22	0	0	1	0	0	0	0		
## 24	0	0	0	0	0	0	0		
## 31	0	0	0	0	0	0	0		
## 32	0	0	1	1	0	0	1		
## 42	0	0	1	1	0	0	0		
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## 63	1	0	0	1	NA	0	0		
## 64	0	0	0	0	0	0	1		
## 66	1	0	1	0	0	0	0		
## 78	0	0	0	1	0	0	0		
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## 84	0	0	0	0	0	0	0
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## 86	1	0	0	0	0	0	0
## 104	0	0	1	0	1	0	0
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## 115	1	0	0	1	0	0	0
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## 130	0	0	1	0	0	0	0
## 133	1	0	0	0	0	0	0
## 135	1	0	0	0	0	0	0
## 138	1	0	0	1	0	0	0
## 143	0	0	0	0	0	0	0
## 145	0	0	1	1	0	0	0
## 152	0	0	0	0	0	0	0
## 153	0	1	0	0	0	1	0
## 165	0	0	0	1	0	0	0
## 173	0	0	0	1	0	0	0
## 178	0	0	0	0	0	0	0
## 182	0	0	1	0	0	0	0
## 187	1	0	0	0	0	0	0
## 189	0	0	0	0	0	0	0
## 191	0	0	0	0	0	0	0
## 192	0	0	0	0	0	0	0
## 197	0	0	0	1	0	0	0
## 201	0	0	1	0	0	0	1
## 207	0	0	0	1	0	0	0
## 208	0	0	0	1	0	0	0
## 213	0	0	0	0	0	0	0
## 219	0	0	1	1	0	0	0
## 221	0	0	1	0	0	1	0
## 235	0	0	0	0	0	0	0
## 237	0	0	1	1	0	0	0
## 240	0	0	0	0	0	0	0
## 244	0	0	0	0	0	0	0
## 245	1	0	0	0	0	0	0
## 247	0	0	0	1	0	0	0
## 253	0	0	1	0	0	0	0
## 260	1	0	0	1	0	0	0
## 263	0	0	0	0	0	0	0
## 271	0	0	0	1	0	0	0
## 274	0	0	0	0	0	0	0
## 284	1	0	0	0	0	0	0
## 288	1	0	0	0	0	0	0
## 289	0	1	1	1	0	0	0
## 294	0	0	0	0	0	1	0
## 296	0	0	0	0	0	0	0
## 297	0	0	1	0	0	0	0
## 298	0	0	0	0	0	0	0
## 300	0	0	0	0	0	0	0
## 301	0	0	1	0	0	0	0
## 304	0	0	1	0	0	0	0
## 307	1	0	0	1	0	0	0

## 316	0	0	1	0	0	0	0
## 317	1	0	0	1	0	0	0
## 320	0	0	1	0	0	0	1
## 321	0	0	3	1	1	0	0
## 326	1	0	0	0	0	0	0
## 330	1	0	1	0	0	0	0
## 333	0	0	0	1	0	0	0
## 334	0	0	0	1	0	0	0
## 337	0	0	0	0	0	0	0
## 338	0	0	0	1	0	0	0
## 348	0	0	0	1	0	0	0
## 353	0	0	1	1	0	0	0
## 354	0	0	1	0	0	0	0
## 355	1	0	1	1	0	0	0
## 356	0	0	0	1	0	0	1
## 359	0	0	1	0	0	0	0
## 364	0	0	0	1	0	0	0
## 369	1	0	0	1	0	0	0
## 378	0	0	1	1	0	0	0
## 381	0	0	0	0	0	0	0
## 386	0	0	0	0	0	0	0
## 388	0	0	0	0	0	0	0
## 392	0	0	0	0	0	0	0
## 394	1	0	0	0	0	0	0
## 396	0	0	0	1	0	0	0
## 404	0	0	1	0	0	0	0
## 406	0	0	0	0	0	0	0
## 408	0	0	0	1	0	0	0
## 411	0	0	1	0	0	1	0
## 422	0	0	1	1	0	0	0
## 423	0	0	0	1	0	0	0
## 426	0	0	1	0	0	0	0
## 452	0	0	0	1	0	0	0
## 454	0	0	0	0	0	0	0
## 456	0	0	0	1	0	0	0
## 458	1	0	0	1	0	0	0
## 468	0	0	0	1	0	0	0
## 469	0	0	1	0	0	0	0
## 472	0	0	0	1	0	0	0
## 479	0	0	0	1	0	0	0
## 485	0	0	0	0	0	0	0
## 488	1	0	1	0	0	0	0
## 490	1	0	0	1	0	0	0
## 495	0	0	0	0	0	0	0
## 498	0	0	0	0	0	0	0
## 501	0	0	0	1	0	0	0
## 502	1	0	1	0	0	0	0
## 506	0	0	0	1	0	0	0
## 515	0	0	0	0	0	0	0
## 517	0	0	0	0	0	0	0
## 525	0	0	0	0	0	0	0
## 526	1	0	0	0	1	0	1
## 533	0	0	0	0	0	0	0
## 556	0	0	0	0	0	0	0

## 561	0	0	0	0	0	0	0
## 571	0	0	0	1	0	0	0
## 572	0	0	1	1	0	0	0
## 582	0	0	0	0	0	0	0
## 592	0	0	0	0	0	0	0
## 598	0	0	1	0	0	0	0
## 600	0	0	0	1	0	0	0
## 607	1	0	1	0	0	0	0
## 612	1	0	0	1	0	0	0
## 622	1	0	0	0	0	0	0
## 627	0	0	1	0	0	0	0
## 630	0	0	0	0	0	0	0
## 635	1	0	3	0	0	0	0
## 640	1	0	0	0	0	0	0
## 642	0	0	1	0	0	0	1
## 644	0	0	0	0	0	0	0
## 645	0	0	0	0	0	1	0
## 649	0	0	0	0	0	0	0
## 657	0	0	0	0	0	0	0
## 662	1	0	0	0	0	0	0
## 664	0	0	0	0	0	0	0
## 667	0	0	0	0	0	0	0
## 669	0	0	0	0	0	1	0
## 670	1	0	0	0	0	0	0
## 679	1	0	0	0	0	0	0
## 683	0	0	0	1	0	0	0
## 687	0	0	0	0	NA	0	0
## 688	0	0	1	0	0	0	0
## 691	1	0	0	1	0	0	0
## 694	1	0	3	1	1	0	0
## 696	1	0	0	0	0	0	0
## 710	0	0	1	0	0	0	0
## 712	0	0	1	0	0	0	0
## 714	0	0	0	1	0	0	0
## 717	0	0	1	0	0	0	1
## 719	0	0	1	0	0	0	0
## 722	0	0	0	1	0	1	0
## 725	1	0	0	0	0	0	0
## 729	0	0	0	0	0	0	0
## 733	0	0	0	0	0	0	0
## 740	0	0	0	0	0	0	0
## 743	0	0	0	0	0	0	0
## 746	0	0	0	0	NA	0	0
## 747	0	0	0	0	0	0	0
## 749	0	0	0	0	0	0	0
## 759	0	0	0	1	0	0	0
## 763	0	0	3	1	0	1	0
## 766	0	0	1	0	0	0	0
## 776	0	1	1	0	0	0	0
## 793	0	0	0	0	0	0	0
## 795	0	0	1	0	0	0	0
## 799	0	0	0	0	0	0	0
## 802	0	0	0	1	NA	0	0
## 810	0	0	0	1	1	0	0

## 818	0	0	0	1	0	0	0
## 822	1	0	0	0	0	0	0
## 823	0	0	0	0	0	0	0
## 828	0	0	0	1	0	0	0
## 835	1	0	1	0	0	0	0
## 836	0	0	1	0	0	0	0
## 841	1	0	1	1	0	1	0
## 855	0	0	1	1	0	0	0
## 856	0	0	0	0	NA	0	0
## 860	1	0	0	0	0	0	0
## 861	0	0	2	0	0	0	0
## 864	0	0	0	0	0	0	0
## 886	0	0	0	0	0	0	0
## 892	0	0	0	1	0	0	0
## 898	0	0	0	1	0	0	0
##	hyperyn_2.1	ef50_neg.1	ef50_neg_d.1	priormi_21.1	priormi_22.1	priormi_23.1	
## 9	1	0	1	1	1	1	1
## 15	0	0	1	0	0	0	0
## 22	1	15	3	1	1	1	1
## 24	0	0	1	0	0	0	0
## 31	0	0	1	1	1	1	0
## 32	1	27	4	0	0	0	0
## 42	1	0	1	0	0	0	0
## 53	0	0	1	0	0	0	0
## 61	1	0	1	1	1	1	1
## 63	1	20	3	1	1	1	1
## 64	1	0	1	0	0	0	0
## 66	0	0	1	1	1	1	0
## 78	1	0	1	1	1	1	1
## 82	1	NA	NA	0	0	0	0
## 84	1	0	1	0	0	0	0
## 85	1	0	1	1	1	1	1
## 86	1	0	1	0	0	0	0
## 104	1	0	1	1	1	1	1
## 106	1	0	1	0	0	0	0
## 111	1	0	1	1	1	1	0
## 114	1	5	2	0	0	0	0
## 115	1	0	1	0	0	0	0
## 117	0	0	1	1	1	1	1
## 130	1	0	1	0	0	0	0
## 133	1	0	1	1	1	1	1
## 135	1	0	1	0	0	0	0
## 138	1	NA	NA	1	1	1	1
## 143	1	NA	NA	0	0	0	0
## 145	1	0	1	0	0	0	0
## 152	1	0	1	1	1	1	0
## 153	1	0	1	0	0	0	0
## 165	1	0	1	0	0	0	0
## 173	0	0	1	0	0	0	0
## 178	0	0	1	0	0	0	0
## 182	1	20	3	1	1	1	0
## 187	1	5	2	1	1	1	1
## 189	1	0	1	1	1	1	1
## 191	1	0	1	0	0	0	0

## 192	1	0	1	0	0	0
## 197	1	0	1	0	0	0
## 201	0	10	2	1	1	1
## 207	1	13	3	0	0	0
## 208	1	0	1	1	1	1
## 213	1	0	1	0	0	0
## 219	1	0	1	0	0	0
## 221	1	0	1	0	0	0
## 235	1	0	1	0	0	0
## 237	0	10	2	1	1	1
## 240	1	0	1	0	0	0
## 244	1	0	1	1	1	1
## 245	1	0	1	0	0	0
## 247	0	0	1	0	0	0
## 253	1	0	1	0	0	0
## 260	1	0	1	0	0	0
## 263	0	21	4	1	1	0
## 271	1	0	1	0	0	0
## 274	1	0	1	0	0	0
## 284	1	0	1	0	0	0
## 288	1	30	4	0	0	0
## 289	1	0	1	0	0	0
## 294	0	0	1	1	1	0
## 296	1	0	1	0	0	0
## 297	1	0	1	0	0	0
## 298	1	0	1	0	0	0
## 300	1	0	1	0	0	0
## 301	0	15	3	0	0	0
## 304	0	0	1	0	0	0
## 307	1	0	1	0	0	0
## 316	1	5	2	0	0	0
## 317	0	15	3	1	1	1
## 320	1	0	1	0	0	0
## 321	1	0	1	1	1	1
## 326	1	0	1	0	0	0
## 330	NA	1	2	0	0	0
## 333	1	0	1	0	0	0
## 334	0	0	1	0	0	0
## 337	1	30	4	1	1	1
## 338	1	NA	NA	0	0	0
## 348	1	0	1	0	0	0
## 353	1	0	1	0	0	0
## 354	1	8	2	1	1	1
## 355	0	20	3	1	0	0
## 356	1	NA	NA	0	0	0
## 359	1	0	1	0	0	0
## 364	1	0	1	0	0	0
## 369	0	0	1	0	0	0
## 378	1	0	1	0	0	0
## 381	1	0	1	0	0	0
## 386	0	0	1	0	0	0
## 388	1	0	1	1	1	1
## 392	1	15	3	0	0	0
## 394	1	0	1	1	1	0

## 396	1	0	1	0	0	0
## 404	1	0	1	1	1	1
## 406	1	5	2	1	1	0
## 408	1	0	1	1	1	0
## 411	0	0	1	1	0	0
## 422	1	0	1	1	1	0
## 423	1	5	2	1	1	1
## 426	1	0	1	0	0	0
## 452	1	20	3	1	1	0
## 454	1	0	1	0	0	0
## 456	1	0	1	1	1	0
## 458	0	0	1	1	1	0
## 468	0	0	1	0	0	0
## 469	1	0	1	1	1	0
## 472	1	0	1	0	0	0
## 479	1	0	1	0	0	0
## 485	1	0	1	1	1	0
## 488	1	10	2	1	1	1
## 490	1	0	1	0	0	0
## 495	0	0	1	0	0	0
## 498	1	0	1	0	0	0
## 501	1	0	1	1	1	0
## 502	1	0	1	0	0	0
## 506	1	2	2	0	0	0
## 515	1	0	1	1	1	0
## 517	0	1	2	1	1	1
## 525	1	0	1	0	0	0
## 526	1	20	3	1	1	1
## 533	1	17	3	0	0	0
## 556	1	0	1	0	0	0
## 561	1	3	2	0	0	0
## 571	1	0	1	0	0	0
## 572	0	0	1	0	0	0
## 582	1	15	3	1	1	1
## 592	1	5	2	1	1	1
## 598	1	0	1	0	0	0
## 600	1	0	1	1	1	1
## 607	1	0	1	0	0	0
## 612	1	0	1	0	0	0
## 622	1	5	2	1	1	1
## 627	1	15	3	1	1	0
## 630	1	5	2	0	0	0
## 635	1	0	1	0	0	0
## 640	1	0	1	0	0	0
## 642	1	0	1	0	0	0
## 644	1	0	1	1	1	0
## 645	1	20	3	1	0	0
## 649	1	0	1	0	0	0
## 657	1	0	1	0	0	0
## 662	1	0	1	0	0	0
## 664	1	NA	NA	1	1	0
## 667	1	0	1	0	0	0
## 669	0	30	4	1	0	0
## 670	0	10	2	0	0	0

## 679	1	NA	NA	1	1	0	
## 683	1	NA	NA	0	0	0	
## 687	1	0	1	0	0	0	
## 688	1	NA	NA	1	1	1	
## 691	1	0	1	0	0	0	
## 694	1	0	1	0	0	0	
## 696	1	5	2	1	1	1	
## 710	1	0	1	0	0	0	
## 712	1	15	3	1	1	1	
## 714	1	20	3	1	1	0	
## 717	1	20	3	1	1	1	
## 719	0	15	3	1	1	0	
## 722	1	0	1	0	0	0	
## 725	1	0	1	0	0	0	
## 729	1	4	2	1	1	0	
## 733	1	0	1	1	1	0	
## 740	1	0	1	0	0	0	
## 743	1	0	1	0	0	0	
## 746	0	0	1	0	0	0	
## 747	1	3	2	1	1	1	
## 749	1	0	1	0	0	0	
## 759	1	0	1	0	0	0	
## 763	1	30	4	1	1	0	
## 766	1	20	3	1	1	1	
## 776	0	0	1	1	1	0	
## 793	0	0	1	0	0	0	
## 795	1	0	1	1	1	1	
## 799	1	0	1	1	1	1	
## 802	1	0	1	1	1	1	
## 810	1	0	1	1	1	0	
## 818	1	0	1	0	0	0	
## 822	0	10	2	1	1	1	
## 823	1	0	1	0	0	0	
## 828	1	0	1	1	1	0	
## 835	1	0	1	0	0	0	
## 836	1	NA	NA	0	0	0	
## 841	1	0	1	1	1	1	
## 855	1	0	1	0	0	0	
## 856	1	0	1	0	0	0	
## 860	1	0	1	0	0	0	
## 861	1	27	4	0	0	0	
## 864	1	0	1	0	0	0	
## 886	1	0	1	0	0	0	
## 892	1	0	1	0	0	0	
## 898	0	3	2	0	0	0	
##	priormi_24.1	age_d.1	ua_nmi7.1	creatpre_2.1	rf_1.1	rf_2.1	rf_3.1
## 9	0	6	0	1.00	0 0.00000000	0.0	
## 15	0	8	1	1.00	0 0.00000000	0.0	
## 22	1	4	1	0.70	0 0.00000000	0.0	
## 24	0	5	1	0.80	0 0.00000000	0.0	
## 31	0	7	0	1.00	0 0.00000000	0.0	
## 32	0	7	1	0.80	0 0.00000000	0.0	
## 42	0	6	1	1.00	0 0.00000000	0.0	
## 53	0	7	1	1.20	0 0.20000005	0.0	

## 61	1	8	1	1.10	0 0.10000002	0.0
## 63	0	7	0	NA	0 NA NA	
## 64	0	6	0	1.00	0 0.00000000	0.0
## 66	0	7	0	0.90	0 0.00000000	0.0
## 78	1	7	0	1.00	0 0.00000000	0.0
## 82	0	9	0	0.95	0 0.00000000	0.0
## 84	0	6	0	1.16	0 0.15999997	0.0
## 85	1	6	1	1.10	0 0.10000002	0.0
## 86	0	6	1	0.90	0 0.00000000	0.0
## 104	0	6	0	2.00	0 1.00000000	0.5
## 106	0	7	1	1.20	0 0.20000005	0.0
## 111	0	8	0	0.90	0 0.00000000	0.0
## 114	0	8	0	1.20	0 0.20000005	0.0
## 115	0	7	1	0.90	0 0.00000000	0.0
## 117	0	5	1	1.30	0 0.29999995	0.0
## 130	0	7	1	1.20	0 0.20000005	0.0
## 133	1	7	0	1.40	0 0.39999998	0.0
## 135	0	7	1	1.20	0 0.20000005	0.0
## 138	0	7	1	1.60	0 0.60000002	0.1
## 143	0	7	1	1.30	0 0.29999995	0.0
## 145	0	8	0	0.80	0 0.00000000	0.0
## 152	0	6	0	0.60	0 0.00000000	0.0
## 153	0	7	1	1.30	0 0.29999995	0.0
## 165	0	7	1	1.00	0 0.00000000	0.0
## 173	0	5	0	0.80	0 0.00000000	0.0
## 178	0	6	0	0.90	0 0.00000000	0.0
## 182	0	7	0	0.70	0 0.00000000	0.0
## 187	0	7	1	1.00	0 0.00000000	0.0
## 189	0	7	1	1.30	0 0.29999995	0.0
## 191	0	6	1	0.90	0 0.00000000	0.0
## 192	0	7	1	1.00	0 0.00000000	0.0
## 197	0	6	0	0.80	0 0.00000000	0.0
## 201	0	8	0	1.10	0 0.10000002	0.0
## 207	0	7	0	1.00	0 0.00000000	0.0
## 208	1	8	1	1.40	0 0.39999998	0.0
## 213	0	7	1	1.00	0 0.00000000	0.0
## 219	0	6	1	0.90	0 0.00000000	0.0
## 221	0	7	1	0.80	0 0.00000000	0.0
## 235	0	6	1	1.00	0 0.00000000	0.0
## 237	0	6	0	0.90	0 0.00000000	0.0
## 240	0	7	0	1.09	0 0.09000003	0.0
## 244	1	8	1	1.10	0 0.10000002	0.0
## 245	0	8	0	0.90	0 0.00000000	0.0
## 247	0	7	1	1.20	0 0.20000005	0.0
## 253	0	6	0	0.80	0 0.00000000	0.0
## 260	0	6	0	1.10	0 0.10000002	0.0
## 263	0	7	0	1.00	0 0.00000000	0.0
## 271	0	5	0	0.80	0 0.00000000	0.0
## 274	0	6	0	0.80	0 0.00000000	0.0
## 284	0	6	1	0.90	0 0.00000000	0.0
## 288	0	9	0	0.67	0 0.00000000	0.0
## 289	0	6	1	0.90	0 0.00000000	0.0
## 294	0	7	0	0.80	0 0.00000000	0.0
## 296	0	8	1	1.20	0 0.20000005	0.0

## 297	0	6	0	0.80	0 0.00000000	0.0
## 298	0	6	0	1.40	0 0.39999998	0.0
## 300	0	6	0	0.90	0 0.00000000	0.0
## 301	0	7	0	0.90	0 0.00000000	0.0
## 304	0	8	1	1.10	0 0.10000002	0.0
## 307	0	9	1	0.80	0 0.00000000	0.0
## 316	0	7	1	1.10	0 0.10000002	0.0
## 317	0	8	1	1.00	0 0.00000000	0.0
## 320	0	6	1	1.60	0 0.60000002	0.1
## 321	0	8	1	3.30	0 2.30000000	1.8
## 326	0	8	NA	1.10	0 0.10000002	0.0
## 330	0	8	1	1.10	0 0.10000002	0.0
## 333	0	8	0	1.20	0 0.20000005	0.0
## 334	0	9	1	0.70	0 0.00000000	0.0
## 337	1	8	0	0.90	0 0.00000000	0.0
## 338	0	7	1	0.90	0 0.00000000	0.0
## 348	0	6	0	1.30	0 0.29999995	0.0
## 353	0	7	1	1.40	0 0.39999998	0.0
## 354	1	7	1	1.60	0 0.60000002	0.1
## 355	0	5	0	1.20	0 0.20000005	0.0
## 356	0	9	1	1.90	0 0.89999998	0.4
## 359	0	7	1	1.20	0 0.20000005	0.0
## 364	0	7	0	1.30	0 0.29999995	0.0
## 369	0	8	1	0.80	0 0.00000000	0.0
## 378	0	7	0	1.00	0 0.00000000	0.0
## 381	0	5	0	1.30	0 0.29999995	0.0
## 386	0	7	0	1.30	0 0.29999995	0.0
## 388	1	6	0	1.20	0 0.20000005	0.0
## 392	0	7	0	1.50	0 0.50000000	0.0
## 394	0	7	0	1.00	0 0.00000000	0.0
## 396	0	7	1	0.90	0 0.00000000	0.0
## 404	0	7	0	0.90	0 0.00000000	0.0
## 406	0	7	0	0.90	0 0.00000000	0.0
## 408	0	8	0	1.40	0 0.39999998	0.0
## 411	0	6	0	0.80	0 0.00000000	0.0
## 422	0	6	0	1.20	0 0.20000005	0.0
## 423	0	6	1	1.10	0 0.10000002	0.0
## 426	0	6	0	1.50	0 0.50000000	0.0
## 452	0	7	0	1.10	0 0.10000002	0.0
## 454	0	6	0	1.00	0 0.00000000	0.0
## 456	0	7	0	1.00	0 0.00000000	0.0
## 458	0	7	0	1.00	0 0.00000000	0.0
## 468	0	7	0	1.50	0 0.50000000	0.0
## 469	0	6	0	0.80	0 0.00000000	0.0
## 472	0	7	0	1.20	0 0.20000005	0.0
## 479	0	6	1	1.60	0 0.60000002	0.1
## 485	0	6	0	1.20	0 0.20000005	0.0
## 488	1	7	0	1.10	0 0.10000002	0.0
## 490	0	7	0	0.70	0 0.00000000	0.0
## 495	0	8	0	0.90	0 0.00000000	0.0
## 498	0	4	1	0.90	0 0.00000000	0.0
## 501	0	8	0	1.30	0 0.29999995	0.0
## 502	0	8	1	1.20	0 0.20000005	0.0
## 506	0	7	0	1.00	0 0.00000000	0.0

## 515	0	7	0	0.90	0 0.00000000	0.0
## 517	0	5	1	1.00	0 0.00000000	0.0
## 525	0	6	1	0.80	0 0.00000000	0.0
## 526	0	6	0	3.50	1 0.00000000	0.0
## 533	0	7	0	1.20	0 0.20000005	0.0
## 556	0	8	1	1.20	0 0.20000005	0.0
## 561	0	8	0	1.10	0 0.10000002	0.0
## 571	0	8	1	1.00	0 0.00000000	0.0
## 572	0	7	1	1.10	0 0.10000002	0.0
## 582	0	6	0	1.00	0 0.00000000	0.0
## 592	1	7	1	1.20	0 0.20000005	0.0
## 598	0	6	0	1.09	0 0.09000003	0.0
## 600	1	6	1	1.10	0 0.10000002	0.0
## 607	0	7	1	0.90	0 0.00000000	0.0
## 612	0	9	0	1.50	0 0.50000000	0.0
## 622	1	8	0	1.30	0 0.29999995	0.0
## 627	0	5	0	1.50	0 0.50000000	0.0
## 630	0	7	0	1.10	0 0.10000002	0.0
## 635	0	8	0	1.50	0 0.50000000	0.0
## 640	0	8	0	1.15	0 0.14999998	0.0
## 642	0	7	1	1.30	0 0.29999995	0.0
## 644	0	6	0	1.00	0 0.00000000	0.0
## 645	0	4	0	1.10	0 0.10000002	0.0
## 649	0	7	0	0.93	0 0.00000000	0.0
## 657	0	6	0	1.00	0 0.00000000	0.0
## 662	0	6	1	1.00	0 0.00000000	0.0
## 664	0	8	0	0.80	0 0.00000000	0.0
## 667	0	9	0	1.30	0 0.29999995	0.0
## 669	0	7	0	1.80	0 0.79999995	0.3
## 670	0	7	0	1.20	0 0.20000005	0.0
## 679	0	7	0	1.20	0 0.20000005	0.0
## 683	0	6	0	1.30	0 0.29999995	0.0
## 687	0	7	0	NA	0 NA NA	NA
## 688	0	7	1	0.80	0 0.00000000	0.0
## 691	0	8	1	1.10	0 0.10000002	0.0
## 694	0	8	1	3.00	0 2.00000000	1.5
## 696	1	7	0	1.30	0 0.29999995	0.0
## 710	0	6	1	1.20	0 0.20000005	0.0
## 712	0	8	0	1.90	0 0.89999998	0.4
## 714	0	9	0	1.20	0 0.20000005	0.0
## 717	1	7	0	1.20	0 0.20000005	0.0
## 719	0	7	0	1.00	0 0.00000000	0.0
## 722	0	7	0	1.30	0 0.29999995	0.0
## 725	0	7	1	1.00	0 0.00000000	0.0
## 729	0	7	0	1.10	0 0.10000002	0.0
## 733	0	8	0	1.10	0 0.10000002	0.0
## 740	0	8	1	1.50	0 0.50000000	0.0
## 743	0	9	0	1.30	0 0.29999995	0.0
## 746	0	7	0	NA	0 NA NA	NA
## 747	1	7	1	1.00	0 0.00000000	0.0
## 749	0	8	0	1.20	0 0.20000005	0.0
## 759	0	6	1	0.80	0 0.00000000	0.0
## 763	0	8	0	1.30	0 0.29999995	0.0
## 766	0	8	1	1.40	0 0.39999998	0.0

## 776	0	9	0	1.00	0 0.00000000	0.0
## 793	0	6	1	1.20	0 0.20000005	0.0
## 795	0	8	0	1.10	0 0.10000002	0.0
## 799	1	5	1	0.90	0 0.00000000	0.0
## 802	1	8	1	NA	0 NA NA	
## 810	0	6	0	1.00	1 0.00000000	0.0
## 818	0	6	0	1.00	0 0.00000000	0.0
## 822	1	7	1	1.00	0 0.00000000	0.0
## 823	0	6	0	0.90	0 0.00000000	0.0
## 828	0	7	0	1.10	0 0.10000002	0.0
## 835	0	8	0	1.40	0 0.39999998	0.0
## 836	0	7	1	1.60	0 0.60000002	0.1
## 841	1	9	1	1.20	0 0.20000005	0.0
## 855	0	6	0	1.00	0 0.00000000	0.0
## 856	0	6	0	NA	0 NA NA	
## 860	0	7	0	1.50	0 0.50000000	0.0
## 861	0	5	0	1.30	0 0.29999995	0.0
## 864	0	7	1	1.80	0 0.79999995	0.3
## 886	0	7	1	1.00	0 0.00000000	0.0
## 892	0	7	0	0.90	0 0.00000000	0.0
## 898	0	7	1	1.00	0 0.00000000	0.0
##	priority_21.1	priority_22.1	dm3cat.1	dm3cat_21.1	dm3cat_22.1	dm3cat_21_2.1
## 9	1	0	1	0	0	0
## 15	1	0	1	0	0	0
## 22	1	0	3	1	1	1
## 24	1	0	1	0	0	0
## 31	1	0	1	0	0	0
## 32	1	0	2	1	0	1
## 42	1	0	2	1	0	1
## 53	1	0	1	0	0	0
## 61	0	0	2	1	0	1
## 63	0	0	2	1	0	1
## 64	0	0	2	1	0	1
## 66	1	0	1	0	0	0
## 78	0	0	1	0	0	0
## 82	0	0	1	0	0	0
## 84	1	0	1	0	0	0
## 85	1	0	1	0	0	0
## 86	1	0	2	1	0	1
## 104	0	0	3	1	1	1
## 106	0	0	1	0	0	0
## 111	1	0	1	0	0	0
## 114	0	0	1	0	0	0
## 115	1	1	1	0	0	0
## 117	1	0	1	0	0	0
## 130	1	0	1	0	0	0
## 133	0	0	2	1	0	1
## 135	0	0	2	1	0	1
## 138	0	0	2	1	0	1
## 143	1	0	1	0	0	0
## 145	1	0	1	0	0	0
## 152	1	0	1	0	0	0
## 153	1	0	1	0	0	0
## 165	1	0	1	0	0	0

## 173	1	0	1	0	0	0
## 178	1	0	1	0	0	0
## 182	1	0	1	0	0	0
## 187	0	0	1	0	0	0
## 189	1	0	1	0	0	0
## 191	1	0	1	0	0	0
## 192	0	0	2	1	0	1
## 197	1	0	2	1	0	1
## 201	1	0	1	0	0	0
## 207	0	0	1	0	0	0
## 208	1	0	1	0	0	0
## 213	1	0	3	1	1	1
## 219	1	0	1	0	0	0
## 221	1	0	2	1	0	1
## 235	1	0	1	0	0	0
## 237	1	0	1	0	0	0
## 240	1	0	1	0	0	0
## 244	1	0	1	0	0	0
## 245	0	0	1	0	0	0
## 247	1	0	1	0	0	0
## 253	1	0	1	0	0	0
## 260	1	0	1	0	0	0
## 263	1	0	1	0	0	0
## 271	0	0	1	0	0	0
## 274	0	0	1	0	0	0
## 284	1	0	1	0	0	0
## 288	1	0	1	0	0	0
## 289	1	0	1	0	0	0
## 294	1	0	2	1	0	1
## 296	0	0	1	0	0	0
## 297	0	0	2	1	0	1
## 298	0	0	3	1	1	1
## 300	1	0	1	0	0	0
## 301	1	0	1	0	0	0
## 304	1	0	1	0	0	0
## 307	1	0	1	0	0	0
## 316	1	0	3	1	1	1
## 317	1	0	1	0	0	0
## 320	1	0	3	1	1	1
## 321	1	0	2	1	0	1
## 326	0	0	2	1	0	1
## 330	1	0	1	0	0	0
## 333	1	0	1	0	0	0
## 334	1	0	1	0	0	0
## 337	1	0	1	0	0	0
## 338	1	0	1	0	0	0
## 348	1	0	1	0	0	0
## 353	1	1	1	0	0	0
## 354	1	0	2	1	0	1
## 355	1	1	1	0	0	0
## 356	0	0	1	0	0	0
## 359	1	0	1	0	0	0
## 364	1	0	1	0	0	0
## 369	1	0	2	1	0	1

## 378	0	0	1	0	0	0
## 381	0	0	3	1	1	1
## 386	0	0	1	0	0	0
## 388	0	0	2	1	0	1
## 392	0	0	2	1	0	1
## 394	1	0	2	1	0	1
## 396	1	0	1	0	0	0
## 404	1	0	2	1	0	1
## 406	1	0	1	0	0	0
## 408	1	0	1	0	0	0
## 411	1	1	1	0	0	0
## 422	1	0	1	0	0	0
## 423	0	0	1	0	0	0
## 426	0	0	3	1	1	1
## 452	1	0	3	1	1	1
## 454	0	0	2	1	0	1
## 456	1	0	1	0	0	0
## 458	1	0	2	1	0	1
## 468	1	0	1	0	0	0
## 469	1	0	2	1	0	1
## 472	0	0	2	1	0	1
## 479	1	0	1	0	0	0
## 485	1	0	2	1	0	1
## 488	0	0	2	1	0	1
## 490	0	0	2	1	0	1
## 495	0	0	2	1	0	1
## 498	1	0	2	1	0	1
## 501	1	0	3	1	1	1
## 502	1	0	1	0	0	0
## 506	1	0	1	0	0	0
## 515	1	0	2	1	0	1
## 517	0	0	1	0	0	0
## 525	1	0	2	1	0	1
## 526	0	0	3	1	1	1
## 533	1	0	2	1	0	1
## 556	1	0	2	1	0	1
## 561	0	0	1	0	0	0
## 571	1	0	1	0	0	0
## 572	1	0	1	0	0	0
## 582	0	0	1	0	0	0
## 592	1	0	3	1	1	1
## 598	1	0	1	0	0	0
## 600	0	0	1	0	0	0
## 607	1	0	2	1	0	1
## 612	1	0	2	1	0	1
## 622	1	0	3	1	1	1
## 627	1	0	3	1	1	1
## 630	1	0	2	1	0	1
## 635	1	0	2	1	0	1
## 640	1	0	1	0	0	0
## 642	1	0	3	1	1	1
## 644	1	0	1	0	0	0
## 645	1	0	1	0	0	0
## 649	0	0	1	0	0	0

## 657	0	0	1	0	0	0
## 662	1	0	1	0	0	0
## 664	1	1	1	0	0	0
## 667	1	0	1	0	0	0
## 669	1	0	1	0	0	0
## 670	0	0	2	1	0	1
## 679	1	0	2	1	0	1
## 683	0	0	1	0	0	0
## 687	0	0	2	1	0	1
## 688	1	0	1	0	0	0
## 691	1	0	1	0	0	0
## 694	1	0	2	1	0	1
## 696	0	0	1	0	0	0
## 710	1	0	2	1	0	1
## 712	1	0	2	1	0	1
## 714	1	0	2	1	0	1
## 717	0	0	2	1	0	1
## 719	1	0	1	0	0	0
## 722	1	0	1	0	0	0
## 725	0	0	1	0	0	0
## 729	1	0	1	0	0	0
## 733	1	0	3	1	1	1
## 740	1	0	1	0	0	0
## 743	0	0	2	1	0	1
## 746	0	0	1	0	0	0
## 747	1	0	1	0	0	0
## 749	0	0	3	1	1	1
## 759	1	0	1	0	0	0
## 763	1	0	1	0	0	0
## 766	0	0	2	1	0	1
## 776	1	0	1	0	0	0
## 793	1	0	1	0	0	0
## 795	1	0	1	0	0	0
## 799	1	0	1	0	0	0
## 802	1	0	1	0	0	0
## 810	1	0	1	0	0	0
## 818	1	0	1	0	0	0
## 822	1	0	2	1	0	1
## 823	1	0	2	1	0	1
## 828	1	0	1	0	0	0
## 835	1	0	1	0	0	0
## 836	0	0	3	1	1	1
## 841	1	0	1	0	0	0
## 855	0	0	2	1	0	1
## 856	0	0	1	0	0	0
## 860	0	0	3	1	1	1
## 861	1	0	3	1	1	1
## 864	1	0	2	1	0	1
## 886	1	0	1	0	0	0
## 892	1	0	1	0	0	0
## 898	1	0	1	0	0	0
##	dm3cat_22_2.1	pci_ta.1	efvalue_r.1	ef50_neg_r.1	ef50_neg_d_r.1	
## 9	0	0	77	0	1	
## 15	0	0	60	0	1	

## 22	1	0	35	15	3
## 24	0	0	60	0	1
## 31	0	0	55	0	1
## 32	0	0	23	27	4
## 42	0	0	65	0	1
## 53	0	0	60	0	1
## 61	0	0	58	0	1
## 63	0	0	30	20	3
## 64	0	0	50	0	1
## 66	0	0	50	0	1
## 78	0	0	50	0	1
## 82	0	0	60	0	1
## 84	0	0	65	0	1
## 85	0	0	75	0	1
## 86	0	0	60	0	1
## 104	1	0	50	0	1
## 106	0	0	50	0	1
## 111	0	0	50	0	1
## 114	0	0	45	5	2
## 115	0	0	55	0	1
## 117	0	1	51	0	1
## 130	0	0	60	0	1
## 133	0	0	65	0	1
## 135	0	0	70	0	1
## 138	0	0	20	30	4
## 143	0	0	55	0	1
## 145	0	0	65	0	1
## 152	0	0	50	0	1
## 153	0	0	55	0	1
## 165	0	0	55	0	1
## 173	0	0	69	0	1
## 178	0	0	60	0	1
## 182	0	0	30	20	3
## 187	0	0	45	5	2
## 189	0	0	53	0	1
## 191	0	0	58	0	1
## 192	0	0	55	0	1
## 197	0	0	59	0	1
## 201	0	0	40	10	2
## 207	0	0	37	13	3
## 208	0	1	57	0	1
## 213	1	0	60	0	1
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## 221	0	0	57	0	1
## 235	0	0	65	0	1
## 237	0	0	40	10	2
## 240	0	0	65	0	1
## 244	0	0	63	0	1
## 245	0	0	60	0	1
## 247	0	0	51	0	1
## 253	0	0	60	0	1
## 260	0	0	60	0	1
## 263	0	0	29	21	4
## 271	0	0	73	0	1

## 274	0	0	55	0	1
## 284	0	0	80	0	1
## 288	0	1	20	30	4
## 289	0	0	60	0	1
## 294	0	0	50	0	1
## 296	0	0	65	0	1
## 297	0	0	60	0	1
## 298	1	0	60	0	1
## 300	0	0	65	0	1
## 301	0	0	35	15	3
## 304	0	0	60	0	1
## 307	0	0	65	0	1
## 316	1	0	45	5	2
## 317	0	0	35	15	3
## 320	1	0	50	0	1
## 321	0	0	55	0	1
## 326	0	0	60	0	1
## 330	0	0	49	1	2
## 333	0	0	60	0	1
## 334	0	0	60	0	1
## 337	0	1	20	30	4
## 338	0	0	60	0	1
## 348	0	0	60	0	1
## 353	0	0	53	0	1
## 354	0	0	42	8	2
## 355	0	0	30	20	3
## 356	0	0	40	10	2
## 359	0	0	64	0	1
## 364	0	0	75	0	1
## 369	0	0	60	0	1
## 378	0	0	60	0	1
## 381	1	0	65	0	1
## 386	0	0	75	0	1
## 388	0	0	57	0	1
## 392	0	0	35	15	3
## 394	0	0	65	0	1
## 396	0	0	60	0	1
## 404	0	0	70	0	1
## 406	0	0	45	5	2
## 408	0	0	65	0	1
## 411	0	0	50	0	1
## 422	0	0	52	0	1
## 423	0	0	45	5	2
## 426	1	0	59	0	1
## 452	1	0	30	20	3
## 454	0	0	60	0	1
## 456	0	0	60	0	1
## 458	0	0	50	0	1
## 468	0	0	75	0	1
## 469	0	0	56	0	1
## 472	0	0	58	0	1
## 479	0	0	60	0	1
## 485	0	0	54	0	1
## 488	0	0	40	10	2

## 490	0	0	50	0	1
## 495	0	0	58	0	1
## 498	0	0	60	0	1
## 501	1	0	55	0	1
## 502	0	0	60	0	1
## 506	0	0	48	2	2
## 515	0	0	52	0	1
## 517	0	0	49	1	2
## 525	0	0	60	0	1
## 526	1	0	30	20	3
## 533	0	0	33	17	3
## 556	0	0	63	0	1
## 561	0	0	47	3	2
## 571	0	0	52	0	1
## 572	0	0	63	0	1
## 582	0	0	35	15	3
## 592	1	0	45	5	2
## 598	0	0	65	0	1
## 600	0	0	52	0	1
## 607	0	0	65	0	1
## 612	0	0	60	0	1
## 622	1	0	45	5	2
## 627	1	0	35	15	3
## 630	0	0	45	5	2
## 635	0	0	60	0	1
## 640	0	0	60	0	1
## 642	1	0	55	0	1
## 644	0	0	50	0	1
## 645	0	0	30	20	3
## 649	0	0	58	0	1
## 657	0	0	57	0	1
## 662	0	0	70	0	1
## 664	0	0	60	0	1
## 667	0	0	55	0	1
## 669	0	0	20	30	4
## 670	0	0	40	10	2
## 679	0	0	57	0	1
## 683	0	1	57	0	1
## 687	0	0	60	0	1
## 688	0	0	35	15	3
## 691	0	0	65	0	1
## 694	0	0	60	0	1
## 696	0	0	45	5	2
## 710	0	0	50	0	1
## 712	0	0	35	15	3
## 714	0	0	30	20	3
## 717	0	0	30	20	3
## 719	0	0	35	15	3
## 722	0	0	60	0	1
## 725	0	0	80	0	1
## 729	0	0	46	4	2
## 733	1	0	50	0	1
## 740	0	0	52	0	1
## 743	0	0	60	0	1

## 746	0	0	65	0	1
## 747	0	0	47	3	2
## 749	1	0	65	0	1
## 759	0	0	60	0	1
## 763	0	0	20	30	4
## 766	0	0	30	20	3
## 776	0	0	50	0	1
## 793	0	0	58	0	1
## 795	0	1	60	0	1
## 799	0	0	60	0	1
## 802	0	0	75	0	1
## 810	0	0	72	0	1
## 818	0	0	65	0	1
## 822	0	0	40	10	2
## 823	0	0	57	0	1
## 828	0	0	52	0	1
## 835	0	0	55	0	1
## 836	1	0	57	0	1
## 841	0	0	50	0	1
## 855	0	0	50	0	1
## 856	0	0	60	0	1
## 860	1	0	56	0	1
## 861	1	0	23	27	4
## 864	0	0	60	0	1
## 886	0	0	50	0	1
## 892	0	0	65	0	1
## 898	0	0	47	3	2
##	atfibyn_2_r.1	priormi_r.1	priormi_21_r.1	priormi_22_r.1	priormi_23_r.1
## 9	0	3	1	1	1
## 15	0	0	0	0	0
## 22	0	4	1	1	1
## 24	0	0	0	0	0
## 31	0	2	1	1	0
## 32	1	0	0	0	0
## 42	0	0	0	0	0
## 53	0	0	0	0	0
## 61	0	4	1	1	1
## 63	0	3	1	1	1
## 64	1	0	0	0	0
## 66	0	2	1	1	0
## 78	0	4	1	1	1
## 82	0	0	0	0	0
## 84	0	0	0	0	0
## 85	0	4	1	1	1
## 86	0	0	0	0	0
## 104	0	3	1	1	1
## 106	0	0	0	0	0
## 111	0	2	1	1	0
## 114	0	0	0	0	0
## 115	0	0	0	0	0
## 117	0	3	1	1	1
## 130	0	0	0	0	0
## 133	0	4	1	1	1
## 135	0	0	0	0	0

## 138	0	3	1	1	1
## 143	0	0	0	0	0
## 145	0	0	0	0	0
## 152	0	2	1	1	0
## 153	0	0	0	0	0
## 165	0	0	0	0	0
## 173	0	0	0	0	0
## 178	0	0	0	0	0
## 182	0	2	1	1	0
## 187	0	3	1	1	1
## 189	0	3	1	1	1
## 191	0	0	0	0	0
## 192	0	0	0	0	0
## 197	0	0	0	0	0
## 201	1	3	1	1	1
## 207	0	0	0	0	0
## 208	0	4	1	1	1
## 213	0	0	0	0	0
## 219	0	0	0	0	0
## 221	0	0	0	0	0
## 235	0	0	0	0	0
## 237	0	3	1	1	1
## 240	0	0	0	0	0
## 244	0	4	1	1	1
## 245	0	0	0	0	0
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## 253	0	0	0	0	0
## 260	0	0	0	0	0
## 263	0	2	1	1	0
## 271	0	0	0	0	0
## 274	0	0	0	0	0
## 284	0	0	0	0	0
## 288	0	0	0	0	0
## 289	0	0	0	0	0
## 294	0	2	1	1	0
## 296	0	0	0	0	0
## 297	0	0	0	0	0
## 298	0	0	0	0	0
## 300	0	0	0	0	0
## 301	0	0	0	0	0
## 304	0	0	0	0	0
## 307	0	0	0	0	0
## 316	0	0	0	0	0
## 317	0	3	1	1	1
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## 326	0	0	0	0	0
## 330	0	0	0	0	0
## 333	0	0	0	0	0
## 334	0	0	0	0	0
## 337	0	4	1	1	1
## 338	0	0	0	0	0
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## 353	0	0	0	0	0

## 354	0	4	1	1	1
## 355	0	1	1	0	0
## 356	1	0	0	0	0
## 359	0	0	0	0	0
## 364	0	0	0	0	0
## 369	0	0	0	0	0
## 378	0	0	0	0	0
## 381	0	0	0	0	0
## 386	0	0	0	0	0
## 388	0	4	1	1	1
## 392	0	0	0	0	0
## 394	0	2	1	1	0
## 396	0	0	0	0	0
## 404	0	3	1	1	1
## 406	0	2	1	1	0
## 408	0	2	1	1	0
## 411	0	1	1	0	0
## 422	0	2	1	1	0
## 423	0	3	1	1	1
## 426	0	0	0	0	0
## 452	0	2	1	1	0
## 454	0	0	0	0	0
## 456	0	2	1	1	0
## 458	0	2	1	1	0
## 468	0	0	0	0	0
## 469	0	2	1	1	0
## 472	0	0	0	0	0
## 479	0	0	0	0	0
## 485	0	2	1	1	0
## 488	0	4	1	1	1
## 490	0	0	0	0	0
## 495	0	0	0	0	0
## 498	0	0	0	0	0
## 501	0	2	1	1	0
## 502	0	0	0	0	0
## 506	0	0	0	0	0
## 515	0	2	1	1	0
## 517	0	3	1	1	1
## 525	0	0	0	0	0
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## 533	0	0	0	0	0
## 556	0	0	0	0	0
## 561	0	0	0	0	0
## 571	0	0	0	0	0
## 572	0	0	0	0	0
## 582	0	3	1	1	1
## 592	0	4	1	1	1
## 598	0	0	0	0	0
## 600	0	4	1	1	1
## 607	0	0	0	0	0
## 612	0	0	0	0	0
## 622	0	4	1	1	1
## 627	0	2	1	1	0
## 630	0	0	0	0	0

## 635	0	0	0	0	0
## 640	0	0	0	0	0
## 642	1	0	0	0	0
## 644	0	2	1	1	0
## 645	0	1	1	0	0
## 649	0	0	0	0	0
## 657	0	0	0	0	0
## 662	0	0	0	0	0
## 664	0	2	1	1	0
## 667	0	0	0	0	0
## 669	0	1	1	0	0
## 670	0	0	0	0	0
## 679	0	2	1	1	0
## 683	0	0	0	0	0
## 687	0	0	0	0	0
## 688	0	3	1	1	1
## 691	0	0	0	0	0
## 694	0	0	0	0	0
## 696	0	4	1	1	1
## 710	0	0	0	0	0
## 712	0	3	1	1	1
## 714	0	2	1	1	0
## 717	1	4	1	1	1
## 719	0	2	1	1	0
## 722	0	0	0	0	0
## 725	0	0	0	0	0
## 729	0	2	1	1	0
## 733	0	2	1	1	0
## 740	0	0	0	0	0
## 743	0	0	0	0	0
## 746	0	0	0	0	0
## 747	0	4	1	1	1
## 749	0	0	0	0	0
## 759	0	0	0	0	0
## 763	0	2	1	1	0
## 766	0	3	1	1	1
## 776	0	2	1	1	0
## 793	0	0	0	0	0
## 795	0	3	1	1	1
## 799	0	4	1	1	1
## 802	0	4	1	1	1
## 810	0	2	1	1	0
## 818	0	0	0	0	0
## 822	0	4	1	1	1
## 823	0	0	0	0	0
## 828	0	2	1	1	0
## 835	0	0	0	0	0
## 836	0	0	0	0	0
## 841	0	4	1	1	1
## 855	0	0	0	0	0
## 856	0	0	0	0	0
## 860	0	0	0	0	0
## 861	0	0	0	0	0
## 864	0	0	0	0	0

## 886	0	0	0	0	0	0
## 892	0	0	0	0	0	0
## 898	0	0	0	0	0	0
##	priormi_24_r.1	age_r.1	age_d_r.1	ua_r.1	ua_nmi7_r.1	chf_r.1 chf2cat_r.1
## 9	0	59.16222	6	0	0	0
## 15	0	74.29432	8	1	1	0
## 22	1	39.57837	4	1	1	0
## 24	0	49.44558	5	1	1	0
## 31	0	64.68173	7	0	0	0
## 32	0	61.72485	7	1	1	1
## 42	0	59.01163	6	1	1	0
## 53	0	69.56605	7	1	1	0
## 61	1	77.04860	8	1	1	0
## 63	0	67.04997	7	0	0	4
## 64	0	58.19575	6	0	0	0
## 66	0	65.40452	7	1	0	0
## 78	1	60.19165	7	0	0	0
## 82	0	82.66393	9	0	0	0
## 84	0	58.41752	6	0	0	0
## 85	1	53.21287	6	1	1	0
## 86	0	54.51061	6	1	1	0
## 104	0	56.21081	6	0	0	0
## 106	0	64.62423	7	1	1	0
## 111	0	79.84942	8	0	0	0
## 114	0	77.73579	8	0	0	0
## 115	0	67.04176	7	1	1	0
## 117	0	49.86174	5	1	1	0
## 130	0	63.35387	7	1	1	0
## 133	1	67.61123	7	0	0	0
## 135	0	69.15811	7	1	1	0
## 138	0	68.77755	7	1	1	1
## 143	0	67.98083	7	1	1	0
## 145	0	73.59617	8	0	0	0
## 152	0	54.34907	6	1	0	0
## 153	0	64.94730	7	1	1	0
## 165	0	63.58659	7	1	1	0
## 173	0	46.92950	5	0	0	0
## 178	0	58.26146	6	0	0	0
## 182	0	65.16632	7	0	0	1
## 187	0	61.39357	7	1	1	0
## 189	0	64.54209	7	1	1	4
## 191	0	55.18138	6	1	1	0
## 192	0	63.81930	7	1	1	0
## 197	0	57.04859	6	0	0	0
## 201	0	70.13826	8	0	0	0
## 207	0	61.42094	7	0	0	0
## 208	1	78.20671	8	1	1	0
## 213	0	65.24298	7	1	1	0
## 219	0	58.39836	6	1	1	0
## 221	0	67.44421	7	1	1	0
## 235	0	50.88022	6	1	1	0
## 237	0	54.71595	6	0	0	0
## 240	0	66.31622	7	0	0	0
## 244	1	71.47707	8	1	1	0

## 245	0 77.80698	8	0	0	4	1
## 247	0 63.72348	7	1	1	0	0
## 253	0 57.27858	6	0	0	0	0
## 260	0 56.09856	6	0	0	0	0
## 263	0 66.69679	7	0	0	1	1
## 271	0 48.87885	5	0	0	0	0
## 274	0 50.47776	6	0	0	0	0
## 284	0 57.66461	6	1	1	0	0
## 288	0 83.26626	9	0	0	0	0
## 289	0 55.20602	6	1	1	0	0
## 294	0 65.44011	7	0	0	0	0
## 296	0 76.48734	8	1	1	0	0
## 297	0 57.18002	6	0	0	0	0
## 298	0 57.91650	6	0	0	0	0
## 300	0 52.03833	6	0	0	0	0
## 301	0 65.09240	7	0	0	0	0
## 304	0 76.66530	8	1	1	0	0
## 307	0 80.73922	9	1	1	0	0
## 316	0 67.09651	7	1	1	0	0
## 317	0 72.13963	8	1	1	0	0
## 320	0 57.91924	6	1	1	4	1
## 321	0 74.28884	8	1	1	4	1
## 326	0 74.55167	8	0	0	0	0
## 330	0 77.11978	8	1	1	0	0
## 333	0 73.68378	8	0	0	0	0
## 334	0 81.98768	9	1	1	0	0
## 337	1 73.15537	8	0	0	0	0
## 338	0 68.35045	7	1	1	0	0
## 348	0 53.31965	6	0	0	0	0
## 353	0 65.54688	7	1	1	0	0
## 354	1 69.86174	7	1	1	0	0
## 355	0 49.51129	5	0	0	0	0
## 356	0 82.98152	9	1	1	2	1
## 359	0 61.60164	7	1	1	0	0
## 364	0 67.35387	7	0	0	0	0
## 369	0 76.61602	8	1	1	0	0
## 378	0 62.19849	7	0	0	0	0
## 381	0 48.89528	5	0	0	0	0
## 386	0 66.93771	7	0	0	0	0
## 388	1 50.80356	6	0	0	0	0
## 392	0 61.35250	7	0	0	0	0
## 394	0 66.52978	7	0	0	0	0
## 396	0 61.66461	7	1	1	0	0
## 404	0 68.81314	7	0	0	0	0
## 406	0 67.43874	7	0	0	0	0
## 408	0 70.13005	8	0	0	0	0
## 411	0 57.31965	6	1	0	0	0
## 422	0 55.97262	6	1	0	0	0
## 423	0 50.39836	6	1	1	0	0
## 426	0 59.90965	6	0	0	0	0
## 452	0 69.03490	7	1	0	0	0
## 454	0 55.01163	6	0	0	0	0
## 456	0 62.77344	7	0	0	0	0
## 458	0 67.93156	7	0	0	0	0

## 468	0 65.01574	7	0	0	0	0
## 469	0 53.03491	6	1	0	0	0
## 472	0 63.44422	7	0	0	0	0
## 479	0 55.69884	6	1	1	0	0
## 485	0 52.45996	6	1	0	0	0
## 488	1 60.91992	7	0	0	0	0
## 490	0 65.95209	7	0	0	0	0
## 495	0 78.85010	8	0	0	0	0
## 498	0 37.85079	4	1	1	0	0
## 501	0 79.12936	8	1	0	0	0
## 502	0 71.28816	8	1	1	0	0
## 506	0 62.02601	7	0	0	0	0
## 515	0 66.52156	7	1	0	0	0
## 517	0 43.43874	5	1	1	0	0
## 525	0 55.74538	6	1	1	0	0
## 526	0 59.27447	6	0	0	0	0
## 533	0 67.83573	7	0	0	0	0
## 556	0 71.32922	8	1	1	0	0
## 561	0 75.43053	8	0	0	0	0
## 571	0 72.65708	8	1	1	0	0
## 572	0 63.90144	7	1	1	0	0
## 582	0 56.67625	6	0	0	2	1
## 592	1 63.54004	7	1	1	0	0
## 598	0 57.70842	6	0	0	0	0
## 600	1 59.79740	6	1	1	0	0
## 607	0 65.70020	7	1	1	0	0
## 612	0 80.51198	9	0	0	0	0
## 622	1 73.86448	8	0	0	0	0
## 627	0 48.67077	5	0	0	0	0
## 630	0 60.53114	7	0	0	1	1
## 635	0 76.10951	8	0	0	0	0
## 640	0 70.75702	8	0	0	0	0
## 642	0 63.94250	7	1	1	0	0
## 644	0 57.69199	6	0	0	0	0
## 645	0 36.25736	4	0	0	1	1
## 649	0 64.35045	7	0	0	0	0
## 657	0 56.02190	6	0	0	0	0
## 662	0 58.92129	6	1	1	0	0
## 664	0 76.48460	8	0	0	0	0
## 667	0 82.74606	9	0	0	0	0
## 669	0 61.17728	7	0	0	1	1
## 670	0 67.58933	7	0	0	0	0
## 679	0 62.85558	7	1	0	0	0
## 683	0 50.84737	6	0	0	0	0
## 687	0 67.06913	7	0	0	0	0
## 688	0 68.24915	7	1	1	2	1
## 691	0 76.00822	8	1	1	1	1
## 694	0 73.64819	8	1	1	0	0
## 696	1 64.52020	7	0	0	0	0
## 710	0 58.55715	6	1	1	0	0
## 712	0 73.63176	8	0	0	1	1
## 714	0 81.38535	9	0	0	1	1
## 717	1 66.77891	7	0	0	0	0
## 719	0 60.19165	7	1	0	0	0

## 722	0	62.00137	7	0	0	0	0
## 725	0	63.81930	7	1	1	0	0
## 729	0	60.16427	7	1	0	0	0
## 733	0	70.52704	8	1	0	0	0
## 740	0	70.84737	8	1	1	0	0
## 743	0	81.50582	9	0	0	0	0
## 746	0	68.87064	7	0	0	0	0
## 747	1	61.94387	7	1	1	0	0
## 749	0	71.67967	8	0	0	0	0
## 759	0	59.73717	6	1	1	0	0
## 763	0	74.18755	8	0	0	1	1
## 766	0	70.55989	8	1	1	2	1
## 776	0	84.93635	9	1	0	2	1
## 793	0	59.78097	6	1	1	0	0
## 795	0	71.90417	8	0	0	0	0
## 799	1	49.14169	5	1	1	0	0
## 802	1	77.08145	8	1	1	0	0
## 810	0	57.90828	6	1	0	0	0
## 818	0	50.58727	6	0	0	0	0
## 822	1	68.05476	7	1	1	0	0
## 823	0	59.66325	6	0	0	0	0
## 828	0	66.00137	7	1	0	0	0
## 835	0	75.58385	8	0	0	0	0
## 836	0	65.76865	7	1	1	0	0
## 841	1	89.13347	9	1	1	0	0
## 855	0	58.94319	6	0	0	0	0
## 856	0	50.84737	6	0	0	0	0
## 860	0	62.86379	7	0	0	0	0
## 861	0	44.06023	5	0	0	1	1
## 864	0	63.08008	7	1	1	0	0
## 886	0	66.00684	7	1	1	0	0
## 892	0	69.97673	7	0	0	0	0
## 898	0	61.85900	7	1	1	0	0
##	rf_r.1	creatpre_2_r.1	rf_1_r.1	rf_2_r.1	rf_3_r.1	priority_r.1	
## 9	0	1.00	0	0.00000000	0.0	2	
## 15	0	1.00	0	0.00000000	0.0	2	
## 22	0	0.70	0	0.00000000	0.0	2	
## 24	0	0.80	0	0.00000000	0.0	2	
## 31	0	1.00	0	0.00000000	0.0	2	
## 32	0	0.80	0	0.00000000	0.0	2	
## 42	0	1.00	0	0.00000000	0.0	2	
## 53	0	1.20	0	0.20000005	0.0	2	
## 61	0	1.10	0	0.10000002	0.0	3	
## 63	0	NA	0	0.00000000	0.0	3	
## 64	0	1.00	0	0.00000000	0.0	3	
## 66	0	0.90	0	0.00000000	0.0	2	
## 78	0	1.00	0	0.00000000	0.0	3	
## 82	0	0.95	0	0.00000000	0.0	3	
## 84	0	1.16	0	0.15999997	0.0	2	
## 85	0	1.10	0	0.10000002	0.0	2	
## 86	0	0.90	0	0.00000000	0.0	2	
## 104	0	2.00	0	1.00000000	0.5	3	
## 106	0	1.20	0	0.20000005	0.0	3	
## 111	0	0.90	0	0.00000000	0.0	2	

## 114	0	1.20	0 0.20000005	0.0	3
## 115	0	0.90	0 0.00000000	0.0	1
## 117	0	1.30	0 0.29999995	0.0	2
## 130	0	1.20	0 0.20000005	0.0	2
## 133	0	1.40	0 0.39999998	0.0	3
## 135	0	1.20	0 0.20000005	0.0	3
## 138	0	1.60	0 0.60000002	0.1	3
## 143	0	1.30	0 0.29999995	0.0	2
## 145	0	0.80	0 0.00000000	0.0	2
## 152	0	0.60	0 0.00000000	0.0	2
## 153	0	1.30	0 0.29999995	0.0	2
## 165	0	1.00	0 0.00000000	0.0	2
## 173	0	0.80	0 0.00000000	0.0	2
## 178	0	0.90	0 0.00000000	0.0	2
## 182	0	0.70	0 0.00000000	0.0	2
## 187	0	1.00	0 0.00000000	0.0	3
## 189	0	1.30	0 0.29999995	0.0	2
## 191	0	0.90	0 0.00000000	0.0	2
## 192	0	1.00	0 0.00000000	0.0	3
## 197	0	0.80	0 0.00000000	0.0	2
## 201	0	1.10	0 0.10000002	0.0	2
## 207	0	1.00	0 0.00000000	0.0	3
## 208	0	1.40	0 0.39999998	0.0	2
## 213	0	1.00	0 0.00000000	0.0	2
## 219	0	0.90	0 0.00000000	0.0	2
## 221	0	0.80	0 0.00000000	0.0	2
## 235	0	1.00	0 0.00000000	0.0	2
## 237	0	0.90	0 0.00000000	0.0	2
## 240	0	1.09	0 0.09000003	0.0	2
## 244	0	1.10	0 0.10000002	0.0	2
## 245	0	0.90	0 0.00000000	0.0	3
## 247	0	1.20	0 0.20000005	0.0	2
## 253	0	0.80	0 0.00000000	0.0	2
## 260	0	1.10	0 0.10000002	0.0	2
## 263	0	1.00	0 0.00000000	0.0	2
## 271	0	0.80	0 0.00000000	0.0	3
## 274	0	0.80	0 0.00000000	0.0	3
## 284	0	0.90	0 0.00000000	0.0	2
## 288	0	0.67	0 0.00000000	0.0	2
## 289	0	0.90	0 0.00000000	0.0	2
## 294	0	0.80	0 0.00000000	0.0	2
## 296	0	1.20	0 0.20000005	0.0	3
## 297	0	0.80	0 0.00000000	0.0	3
## 298	0	1.40	0 0.39999998	0.0	3
## 300	0	0.90	0 0.00000000	0.0	2
## 301	0	0.90	0 0.00000000	0.0	2
## 304	0	1.10	0 0.10000002	0.0	2
## 307	0	0.80	0 0.00000000	0.0	2
## 316	0	1.10	0 0.10000002	0.0	2
## 317	0	1.00	0 0.00000000	0.0	2
## 320	0	1.60	0 0.60000002	0.1	2
## 321	0	3.30	0 2.30000000	1.8	2
## 326	0	1.10	0 0.10000002	0.0	3
## 330	0	1.10	0 0.10000002	0.0	2

## 333	0	1.20	0 0.20000005	0.0	2
## 334	0	0.70	0 0.00000000	0.0	2
## 337	0	0.90	0 0.00000000	0.0	2
## 338	0	0.90	0 0.00000000	0.0	2
## 348	0	1.30	0 0.29999995	0.0	2
## 353	0	1.40	0 0.39999998	0.0	1
## 354	0	1.60	0 0.60000002	0.1	2
## 355	0	1.20	0 0.20000005	0.0	1
## 356	0	1.90	0 0.89999998	0.4	3
## 359	0	1.20	0 0.20000005	0.0	2
## 364	0	1.30	0 0.29999995	0.0	2
## 369	0	0.80	0 0.00000000	0.0	2
## 378	0	1.00	0 0.00000000	0.0	3
## 381	0	1.30	0 0.29999995	0.0	3
## 386	0	1.30	0 0.29999995	0.0	3
## 388	0	1.20	0 0.20000005	0.0	3
## 392	0	1.50	0 0.50000000	0.0	3
## 394	0	1.00	0 0.00000000	0.0	2
## 396	0	0.90	0 0.00000000	0.0	2
## 404	0	0.90	0 0.00000000	0.0	2
## 406	0	0.90	0 0.00000000	0.0	2
## 408	0	1.40	0 0.39999998	0.0	2
## 411	0	0.80	0 0.00000000	0.0	1
## 422	0	1.20	0 0.20000005	0.0	2
## 423	0	1.10	0 0.10000002	0.0	3
## 426	0	1.50	0 0.50000000	0.0	3
## 452	0	1.10	0 0.10000002	0.0	2
## 454	0	1.00	0 0.00000000	0.0	3
## 456	0	1.00	0 0.00000000	0.0	2
## 458	0	1.00	0 0.00000000	0.0	2
## 468	0	1.50	0 0.50000000	0.0	2
## 469	0	0.80	0 0.00000000	0.0	2
## 472	0	1.20	0 0.20000005	0.0	3
## 479	0	1.60	0 0.60000002	0.1	2
## 485	0	1.20	0 0.20000005	0.0	2
## 488	0	1.10	0 0.10000002	0.0	3
## 490	0	0.70	0 0.00000000	0.0	3
## 495	0	0.90	0 0.00000000	0.0	3
## 498	0	0.90	0 0.00000000	0.0	2
## 501	0	1.30	0 0.29999995	0.0	2
## 502	0	1.20	0 0.20000005	0.0	2
## 506	0	1.00	0 0.00000000	0.0	2
## 515	0	0.90	0 0.00000000	0.0	2
## 517	0	1.00	0 0.00000000	0.0	3
## 525	0	0.80	0 0.00000000	0.0	2
## 526	1	3.50	1 0.00000000	0.0	3
## 533	0	1.20	0 0.20000005	0.0	2
## 556	0	1.20	0 0.20000005	0.0	2
## 561	0	1.10	0 0.10000002	0.0	3
## 571	0	1.00	0 0.00000000	0.0	2
## 572	0	1.10	0 0.10000002	0.0	2
## 582	0	1.00	0 0.00000000	0.0	3
## 592	0	1.20	0 0.20000005	0.0	2
## 598	0	1.09	0 0.09000003	0.0	2

## 600	0	1.10	0 0.10000002	0.0	3
## 607	0	0.90	0 0.00000000	0.0	2
## 612	0	1.50	0 0.50000000	0.0	2
## 622	0	1.30	0 0.29999995	0.0	2
## 627	0	1.50	0 0.50000000	0.0	2
## 630	0	1.10	0 0.10000002	0.0	2
## 635	0	1.50	0 0.50000000	0.0	2
## 640	0	1.15	0 0.14999998	0.0	2
## 642	0	1.30	0 0.29999995	0.0	2
## 644	0	1.00	0 0.00000000	0.0	2
## 645	0	1.10	0 0.10000002	0.0	2
## 649	0	0.93	0 0.00000000	0.0	3
## 657	0	1.00	0 0.00000000	0.0	3
## 662	0	1.00	0 0.00000000	0.0	2
## 664	0	0.80	0 0.00000000	0.0	1
## 667	0	1.30	0 0.29999995	0.0	2
## 669	0	1.80	0 0.79999995	0.3	2
## 670	0	1.20	0 0.20000005	0.0	3
## 679	0	1.20	0 0.20000005	0.0	2
## 683	0	1.30	0 0.29999995	0.0	3
## 687	0	NA	0 0.00000000	0.0	3
## 688	0	0.80	0 0.00000000	0.0	2
## 691	0	1.10	0 0.10000002	0.0	2
## 694	0	3.00	0 2.00000000	1.5	2
## 696	0	1.30	0 0.29999995	0.0	3
## 710	0	1.20	0 0.20000005	0.0	2
## 712	0	1.90	0 0.89999998	0.4	2
## 714	0	1.20	0 0.20000005	0.0	2
## 717	0	1.20	0 0.20000005	0.0	3
## 719	0	1.00	0 0.00000000	0.0	2
## 722	0	1.30	0 0.29999995	0.0	2
## 725	0	1.00	0 0.00000000	0.0	3
## 729	0	1.10	0 0.10000002	0.0	2
## 733	0	1.10	0 0.10000002	0.0	2
## 740	0	1.50	0 0.50000000	0.0	2
## 743	0	1.30	0 0.29999995	0.0	3
## 746	0	NA	0 0.00000000	0.0	3
## 747	0	1.00	0 0.00000000	0.0	2
## 749	0	1.20	0 0.20000005	0.0	3
## 759	0	0.80	0 0.00000000	0.0	2
## 763	0	1.30	0 0.29999995	0.0	2
## 766	0	1.40	0 0.39999998	0.0	3
## 776	0	1.00	0 0.00000000	0.0	2
## 793	0	1.20	0 0.20000005	0.0	2
## 795	0	1.10	0 0.10000002	0.0	2
## 799	0	0.90	0 0.00000000	0.0	2
## 802	0	NA	0 0.00000000	0.0	2
## 810	1	1.00	1 0.00000000	0.0	2
## 818	0	1.00	0 0.00000000	0.0	2
## 822	0	1.00	0 0.00000000	0.0	2
## 823	0	0.90	0 0.00000000	0.0	2
## 828	0	1.10	0 0.10000002	0.0	2
## 835	0	1.40	0 0.39999998	0.0	2
## 836	0	1.60	0 0.60000002	0.1	3

## 841	0	1.20	0 0.20000005	0.0	2	
## 855	0	1.00	0 0.00000000	0.0	3	
## 856	0	NA	0 0.00000000	0.0	3	
## 860	0	1.50	0 0.50000000	0.0	3	
## 861	0	1.30	0 0.29999995	0.0	2	
## 864	0	1.80	0 0.79999995	0.3	2	
## 886	0	1.00	0 0.00000000	0.0	2	
## 892	0	0.90	0 0.00000000	0.0	2	
## 898	0	1.00	0 0.00000000	0.0	2	
##	priority_21_r.1	priority_22_r.1	sex_r.1	prcabg_r.1	copd_r.1	anydm_r.1
## 9	1	0	0	0	0	0
## 15	1	0	0	0	0	0
## 22	1	0	0	0	0	1
## 24	1	0	0	0	0	0
## 31	1	0	0	0	0	0
## 32	1	0	0	0	0	1
## 42	1	0	0	0	0	1
## 53	1	0	0	0	0	0
## 61	0	0	0	0	0	1
## 63	0	0	0	0	0	1
## 64	0	0	0	0	0	1
## 66	1	0	0	0	0	0
## 78	0	0	0	0	0	0
## 82	0	0	0	0	0	0
## 84	1	0	0	0	0	0
## 85	1	0	0	0	0	0
## 86	1	0	0	0	0	1
## 104	0	0	0	0	1	1
## 106	0	0	0	0	0	0
## 111	1	0	0	0	0	0
## 114	0	0	0	0	0	0
## 115	1	1	0	0	0	0
## 117	1	0	0	0	0	0
## 130	1	0	0	0	0	0
## 133	0	0	0	0	1	1
## 135	0	0	0	0	0	1
## 138	0	0	0	0	0	1
## 143	1	0	0	0	1	0
## 145	1	0	0	0	0	0
## 152	1	0	0	0	0	0
## 153	1	0	0	0	0	0
## 165	1	0	0	0	0	0
## 173	1	0	0	0	0	0
## 178	1	0	0	0	1	0
## 182	1	0	0	0	0	0
## 187	0	0	0	0	1	0
## 189	1	0	0	0	1	0
## 191	1	0	0	0	0	0
## 192	0	0	0	0	0	1
## 197	1	0	0	0	0	1
## 201	1	0	0	0	0	0
## 207	0	0	0	0	0	0
## 208	1	0	0	0	0	0
## 213	1	0	0	0	0	1

## 219	1	0	0	0	0	0
## 221	1	0	0	0	0	1
## 235	1	0	0	0	0	0
## 237	1	0	0	0	0	0
## 240	1	0	0	0	1	0
## 244	1	0	0	0	0	0
## 245	0	0	0	0	0	0
## 247	1	0	0	0	0	0
## 253	1	0	0	0	0	0
## 260	1	0	0	0	0	0
## 263	1	0	0	0	0	0
## 271	0	0	0	0	0	0
## 274	0	0	0	0	0	0
## 284	1	0	0	0	0	0
## 288	1	0	0	0	0	0
## 289	1	0	0	0	0	0
## 294	1	0	0	0	0	1
## 296	0	0	0	0	0	0
## 297	0	0	0	0	0	1
## 298	0	0	0	0	0	1
## 300	1	0	0	0	0	0
## 301	1	0	0	0	0	0
## 304	1	0	0	0	0	0
## 307	1	0	0	0	0	0
## 316	1	0	0	0	0	1
## 317	1	0	0	0	1	0
## 320	1	0	0	0	1	1
## 321	1	0	0	0	0	1
## 326	0	0	0	0	0	1
## 330	1	0	0	0	0	0
## 333	1	0	0	0	0	0
## 334	1	0	0	0	0	0
## 337	1	0	0	0	0	0
## 338	1	0	0	0	0	0
## 348	1	0	0	0	0	0
## 353	1	1	0	0	0	0
## 354	1	0	0	1	0	1
## 355	1	1	0	0	0	0
## 356	0	0	0	0	0	0
## 359	1	0	0	0	0	0
## 364	1	0	0	0	1	0
## 369	1	0	0	0	0	1
## 378	0	0	0	0	0	0
## 381	0	0	0	0	0	1
## 386	0	0	0	0	0	0
## 388	0	0	0	0	0	1
## 392	0	0	0	0	0	1
## 394	1	0	0	0	1	1
## 396	1	0	0	0	0	0
## 404	1	0	0	0	0	1
## 406	1	0	0	0	0	0
## 408	1	0	0	0	0	0
## 411	1	1	0	0	0	0
## 422	1	0	0	0	0	0

## 423	0	0	0	0	0	0
## 426	0	0	0	0	0	1
## 452	1	0	0	0	0	1
## 454	0	0	0	0	0	1
## 456	1	0	0	0	0	0
## 458	1	0	0	0	0	1
## 468	1	0	0	0	0	0
## 469	1	0	0	0	0	1
## 472	0	0	0	1	0	1
## 479	1	0	0	0	0	0
## 485	1	0	0	0	0	1
## 488	0	0	0	0	1	1
## 490	0	0	0	0	0	1
## 495	0	0	0	0	1	1
## 498	1	0	0	0	0	1
## 501	1	0	0	0	0	1
## 502	1	0	0	0	0	0
## 506	1	0	0	0	0	0
## 515	1	0	0	0	0	1
## 517	0	0	0	0	0	0
## 525	1	0	0	0	0	1
## 526	0	0	0	0	0	1
## 533	1	0	0	0	1	1
## 556	1	0	0	0	0	1
## 561	0	0	0	0	0	0
## 571	1	0	0	0	0	0
## 572	1	0	0	0	0	0
## 582	0	0	0	0	0	0
## 592	1	0	0	0	0	1
## 598	1	0	0	0	0	0
## 600	0	0	0	0	0	0
## 607	1	0	0	0	1	1
## 612	1	0	0	0	0	1
## 622	1	0	0	0	0	1
## 627	1	0	0	0	0	1
## 630	1	0	0	0	0	1
## 635	1	0	0	0	0	1
## 640	1	0	0	0	0	0
## 642	1	0	0	0	0	1
## 644	1	0	0	0	0	0
## 645	1	0	0	0	0	0
## 649	0	0	0	0	1	0
## 657	0	0	0	0	0	0
## 662	1	0	0	0	0	0
## 664	1	1	0	0	0	0
## 667	1	0	0	0	0	0
## 669	1	0	0	0	0	0
## 670	0	0	0	0	0	1
## 679	1	0	0	0	0	1
## 683	0	0	0	0	0	0
## 687	0	0	0	0	0	1
## 688	1	0	0	0	1	0
## 691	1	0	0	0	0	0
## 694	1	0	0	0	1	1

## 696		0	0	0	0	0
## 710		1	0	0	0	1
## 712		1	0	0	0	1
## 714		1	0	0	0	1
## 717		0	0	0	0	1
## 719		1	0	0	0	0
## 722		1	0	0	0	0
## 725		0	0	0	0	0
## 729		1	0	0	0	0
## 733		1	0	0	0	1
## 740		1	0	0	0	0
## 743		0	0	0	0	1
## 746		0	0	0	1	0
## 747		1	0	0	0	0
## 749		0	0	0	0	1
## 759		1	0	0	0	0
## 763		1	0	0	0	1
## 766		0	0	0	0	1
## 776		1	0	0	0	0
## 793		1	0	0	0	0
## 795		1	0	0	1	1
## 799		1	0	0	0	0
## 802		1	0	0	0	0
## 810		1	0	0	0	0
## 818		1	0	0	0	0
## 822		1	0	0	0	1
## 823		1	0	0	0	1
## 828		1	0	0	0	0
## 835		1	0	0	0	0
## 836		0	0	0	0	1
## 841		1	0	0	0	0
## 855		0	0	0	0	1
## 856		0	0	0	0	0
## 860		0	0	0	0	1
## 861		1	0	0	0	1
## 864		1	0	0	0	1
## 886		1	0	0	0	0
## 892		1	0	0	0	0
## 898		1	0	0	0	0
##	dmtx_r.1	dm3cat_r.1	dm3cat_21_r.1	dm3cat_22_r.1	iabppre_r.1	anyvad_r.1
## 9	NA	1	0	0	0	0
## 15	NA	1	0	0	0	0
## 22	3	3	1	1	0	0
## 24	NA	1	0	0	0	0
## 31	NA	1	0	0	0	0
## 32	1	2	1	0	0	0
## 42	2	2	1	0	0	1
## 53	NA	1	0	0	0	0
## 61	2	2	1	0	0	0
## 63	2	2	1	0	0	0
## 64	2	2	1	0	0	1
## 66	NA	1	0	0	0	0
## 78	0	1	0	0	0	1
## 82	NA	1	0	0	0	0

## 84	NA	1	0	0	0	0
## 85	NA	1	0	0	0	0
## 86	2	2	1	0	0	0
## 104	3	3	1	1	0	1
## 106	NA	1	0	0	0	0
## 111	NA	1	0	0	0	0
## 114	0	1	0	0	0	1
## 115	NA	1	0	0	0	1
## 117	NA	1	0	0	0	0
## 130	0	1	0	0	0	0
## 133	2	2	1	0	0	1
## 135	1	2	1	0	0	0
## 138	2	2	1	0	0	1
## 143	NA	1	0	0	0	0
## 145	NA	1	0	0	0	0
## 152	NA	1	0	0	0	0
## 153	0	1	0	0	1	0
## 165	NA	1	0	0	0	0
## 173	NA	1	0	0	0	0
## 178	NA	1	0	0	0	0
## 182	NA	1	0	0	0	0
## 187	NA	1	0	0	0	0
## 189	NA	1	0	0	0	0
## 191	NA	1	0	0	0	0
## 192	2	2	1	0	0	0
## 197	2	2	1	0	0	0
## 201	0	1	0	0	0	1
## 207	NA	1	0	0	0	0
## 208	NA	1	0	0	0	0
## 213	3	3	1	1	0	1
## 219	0	1	0	0	0	0
## 221	2	2	1	0	1	1
## 235	NA	1	0	0	0	0
## 237	NA	1	0	0	0	0
## 240	NA	1	0	0	0	0
## 244	NA	1	0	0	0	0
## 245	0	1	0	0	0	0
## 247	NA	1	0	0	0	0
## 253	0	1	0	0	0	0
## 260	NA	1	0	0	0	0
## 263	NA	1	0	0	0	0
## 271	NA	1	0	0	0	0
## 274	NA	1	0	0	0	1
## 284	NA	1	0	0	0	0
## 288	NA	1	0	0	0	0
## 289	NA	1	0	0	0	0
## 294	2	2	1	0	1	0
## 296	NA	1	0	0	0	0
## 297	2	2	1	0	0	0
## 298	3	3	1	1	0	0
## 300	NA	1	0	0	0	0
## 301	NA	1	0	0	0	1
## 304	NA	1	0	0	0	0
## 307	NA	1	0	0	0	0

## 316	3	3	1	1	0	0
## 317	NA	1	0	0	0	1
## 320	3	3	1	1	0	0
## 321	0	2	1	0	0	1
## 326	1	2	1	0	0	0
## 330	NA	1	0	0	0	1
## 333	NA	1	0	0	0	1
## 334	NA	1	0	0	0	0
## 337	NA	1	0	0	0	0
## 338	NA	1	0	0	0	0
## 348	NA	1	0	0	0	0
## 353	NA	1	0	0	0	0
## 354	2	2	1	0	0	0
## 355	NA	1	0	0	0	0
## 356	NA	1	0	0	0	0
## 359	0	1	0	0	0	1
## 364	0	1	0	0	0	1
## 369	2	2	1	0	0	0
## 378	NA	1	0	0	0	0
## 381	3	3	1	1	0	0
## 386	0	1	0	0	0	1
## 388	2	2	1	0	0	1
## 392	2	2	1	0	0	0
## 394	2	2	1	0	0	0
## 396	NA	1	0	0	0	0
## 404	2	2	1	0	0	1
## 406	NA	1	0	0	0	0
## 408	NA	1	0	0	0	0
## 411	0	1	0	0	1	0
## 422	NA	1	0	0	0	1
## 423	NA	1	0	0	0	1
## 426	3	3	1	1	0	1
## 452	3	3	1	1	0	1
## 454	2	2	1	0	0	0
## 456	NA	1	0	0	0	0
## 458	2	2	1	0	0	0
## 468	NA	1	0	0	0	1
## 469	2	2	1	0	0	0
## 472	2	2	1	0	0	0
## 479	NA	1	0	0	0	0
## 485	0	2	1	0	0	0
## 488	2	2	1	0	0	0
## 490	2	2	1	0	0	1
## 495	0	2	1	0	0	0
## 498	2	2	1	0	0	0
## 501	3	3	1	1	0	1
## 502	NA	1	0	0	0	0
## 506	NA	1	0	0	0	0
## 515	2	2	1	0	0	0
## 517	NA	1	0	0	0	0
## 525	2	2	1	0	0	0
## 526	3	3	1	1	0	0
## 533	1	2	1	0	0	1
## 556	2	2	1	0	0	0

## 561	0	1	0	0	0	0
## 571	NA	1	0	0	0	0
## 572	NA	1	0	0	0	0
## 582	NA	1	0	0	0	1
## 592	3	3	1	1	0	0
## 598	NA	1	0	0	0	0
## 600	NA	1	0	0	0	1
## 607	2	2	1	0	0	1
## 612	2	2	1	0	0	1
## 622	3	3	1	1	0	1
## 627	3	3	1	1	0	0
## 630	2	2	1	0	0	0
## 635	2	2	1	0	0	1
## 640	NA	1	0	0	0	0
## 642	3	3	1	1	0	1
## 644	NA	1	0	0	0	0
## 645	NA	1	0	0	1	0
## 649	NA	1	0	0	0	0
## 657	0	1	0	0	0	0
## 662	NA	1	0	0	0	0
## 664	NA	1	0	0	0	0
## 667	NA	1	0	0	0	1
## 669	NA	1	0	0	1	0
## 670	2	2	1	0	0	0
## 679	2	2	1	0	0	0
## 683	0	1	0	0	0	0
## 687	2	2	1	0	0	0
## 688	NA	1	0	0	0	1
## 691	NA	1	0	0	0	1
## 694	1	2	1	0	0	1
## 696	NA	1	0	0	0	1
## 710	1	2	1	0	0	0
## 712	2	2	1	0	0	1
## 714	2	2	1	0	0	1
## 717	2	2	1	0	0	1
## 719	NA	1	0	0	0	0
## 722	0	1	0	0	1	0
## 725	NA	1	0	0	0	0
## 729	NA	1	0	0	0	0
## 733	3	3	1	1	0	0
## 740	NA	1	0	0	0	0
## 743	2	2	1	0	0	0
## 746	NA	1	0	0	0	1
## 747	NA	1	0	0	0	1
## 749	3	3	1	1	0	1
## 759	0	1	0	0	0	0
## 763	NA	1	0	0	1	0
## 766	2	2	1	0	0	0
## 776	NA	1	0	0	0	0
## 793	NA	1	0	0	0	0
## 795	NA	1	0	0	0	0
## 799	NA	1	0	0	0	0
## 802	NA	1	0	0	0	1
## 810	NA	1	0	0	0	0

## 818	0	1	0	0	0	0
## 822	2	2	1	0	0	1
## 823	2	2	1	0	0	0
## 828	NA	1	0	0	0	1
## 835	0	1	0	0	0	1
## 836	3	3	1	1	0	0
## 841	0	1	0	0	1	1
## 855	2	2	1	0	0	1
## 856	NA	1	0	0	0	1
## 860	3	3	1	1	0	1
## 861	3	3	1	1	0	1
## 864	2	2	1	0	0	0
## 886	NA	1	0	0	0	0
## 892	NA	1	0	0	0	1
## 898	0	1	0	0	0	0
##	vad_r.1	hyper_r.1	hyperyn_2_r.1	prptca6_r.1	pci_ta_r.1	lm3cat_r.1
## 9	0	1	1	0	0	1
## 15	0	0	0	0	0	1
## 22	0	3	1	2	0	1
## 24	0	0	0	0	0	1
## 31	0	0	0	0	0	1
## 32	0	2	1	0	0	2
## 42	1	3	1	0	0	2
## 53	0	0	0	0	0	1
## 61	0	2	1	0	0	1
## 63	0	1	1	0	0	2
## 64	1	1	1	0	0	1
## 66	0	0	0	0	0	1
## 78	3	1	1	0	0	2
## 82	0	1	1	0	0	2
## 84	0	1	1	2	0	1
## 85	0	2	1	0	0	1
## 86	0	3	1	0	0	1
## 104	1	1	1	0	0	1
## 106	0	1	1	0	0	1
## 111	0	1	1	0	0	1
## 114	3	1	1	0	0	2
## 115	1	1	1	0	0	3
## 117	0	0	0	1	1	1
## 130	0	1	1	0	0	1
## 133	3	1	1	0	0	1
## 135	0	1	1	0	0	1
## 138	3	1	1	0	0	2
## 143	0	3	1	0	0	1
## 145	0	1	1	0	0	3
## 152	0	1	1	2	0	1
## 153	0	1	1	0	0	1
## 165	0	3	1	0	0	2
## 173	0	0	0	0	0	2
## 178	0	0	0	0	0	1
## 182	0	3	1	0	0	1
## 187	0	1	1	2	0	1
## 189	0	1	1	0	0	1
## 191	0	1	1	2	0	1

## 192	0	3	1	0	0	1
## 197	0	1	1	0	0	2
## 201	1	0	0	0	0	1
## 207	0	1	1	0	0	2
## 208	0	1	1	1	1	2
## 213	2	3	1	0	0	1
## 219	0	1	1	0	0	2
## 221	1	1	1	0	0	1
## 235	0	3	1	0	0	1
## 237	0	0	0	0	0	2
## 240	0	1	1	0	0	1
## 244	0	1	1	0	0	1
## 245	0	1	1	2	0	1
## 247	0	0	0	0	0	2
## 253	0	1	1	2	0	1
## 260	0	1	1	0	0	2
## 263	0	0	0	0	0	1
## 271	0	1	1	0	0	2
## 274	1	1	1	0	0	1
## 284	0	1	1	0	0	1
## 288	0	1	1	4	1	1
## 289	0	1	1	2	0	3
## 294	0	0	0	0	0	1
## 296	0	1	1	0	0	1
## 297	0	1	1	0	0	1
## 298	0	1	1	0	0	1
## 300	0	1	1	0	0	1
## 301	2	0	0	0	0	1
## 304	0	0	0	2	0	1
## 307	0	3	1	0	0	2
## 316	0	3	1	0	0	1
## 317	3	0	0	0	0	2
## 320	0	3	1	0	0	1
## 321	3	1	1	0	0	2
## 326	0	1	1	0	0	1
## 330	1	1	1	0	0	1
## 333	1	1	1	0	0	2
## 334	0	0	0	2	0	2
## 337	0	1	1	4	1	1
## 338	0	1	1	0	0	2
## 348	0	1	1	0	0	2
## 353	0	3	1	0	0	2
## 354	0	3	1	0	0	1
## 355	0	0	0	0	0	2
## 356	0	1	1	0	0	2
## 359	1	1	1	0	0	1
## 364	2	1	1	2	0	2
## 369	0	0	0	0	0	2
## 378	0	1	1	0	0	2
## 381	0	1	1	0	0	1
## 386	2	0	0	2	0	1
## 388	2	1	1	2	0	1
## 392	0	1	1	0	0	1
## 394	0	1	1	0	0	1

## 396	0	1	1	0	0	3
## 404	1	3	1	0	0	1
## 406	0	3	1	0	0	1
## 408	0	3	1	0	0	2
## 411	0	0	0	2	0	1
## 422	3	1	1	0	0	2
## 423	4	2	1	2	0	2
## 426	1	1	1	0	0	1
## 452	3	1	1	0	0	2
## 454	0	1	1	0	0	1
## 456	0	3	1	0	0	2
## 458	0	0	0	0	0	2
## 468	3	0	0	0	0	2
## 469	0	1	1	0	0	1
## 472	0	1	1	2	0	3
## 479	0	3	1	0	0	2
## 485	0	1	1	0	0	1
## 488	0	1	1	0	0	1
## 490	3	1	1	0	0	2
## 495	0	0	0	0	0	1
## 498	0	3	1	0	0	1
## 501	1	1	1	0	0	2
## 502	0	3	1	0	0	1
## 506	0	3	1	0	0	2
## 515	0	1	1	0	0	1
## 517	0	0	0	0	0	1
## 525	0	3	1	2	0	1
## 526	0	3	1	0	0	1
## 533	1	1	1	0	0	1
## 556	0	1	1	0	0	1
## 561	0	1	1	0	0	1
## 571	0	1	1	0	0	2
## 572	0	0	0	0	0	2
## 582	1	1	1	0	0	1
## 592	0	1	1	2	0	1
## 598	0	1	1	0	0	1
## 600	1	1	1	0	0	2
## 607	3	3	1	0	0	1
## 612	1	1	1	0	0	2
## 622	2	1	1	2	0	1
## 627	0	3	1	0	0	1
## 630	0	1	1	0	0	1
## 635	2	1	1	0	0	1
## 640	0	1	1	0	0	1
## 642	2	1	1	0	0	1
## 644	0	3	1	0	0	1
## 645	0	3	1	2	0	1
## 649	0	1	1	0	0	1
## 657	0	1	1	0	0	1
## 662	0	3	1	0	0	1
## 664	0	1	1	0	0	1
## 667	5	1	1	0	0	1
## 669	0	0	0	0	0	1
## 670	0	0	0	0	0	1

## 679	0	1	1	0	0	1
## 683	0	1	1	1	1	2
## 687	0	1	1	0	0	1
## 688	4	1	1	0	0	1
## 691	2	1	1	0	0	2
## 694	1	3	1	2	0	2
## 696	1	1	1	0	0	1
## 710	0	3	1	0	0	1
## 712	2	3	1	0	0	1
## 714	2	3	1	0	0	2
## 717	1	1	1	0	0	1
## 719	0	0	0	0	0	1
## 722	0	1	1	0	0	2
## 725	0	1	1	2	0	1
## 729	0	2	1	0	0	1
## 733	0	1	1	0	0	1
## 740	0	1	1	0	0	1
## 743	0	1	1	0	0	1
## 746	2	0	0	0	0	1
## 747	2	1	1	2	0	1
## 749	1	1	1	2	0	1
## 759	0	1	1	0	0	2
## 763	0	3	1	0	0	3
## 766	0	1	1	0	0	1
## 776	0	0	0	0	0	1
## 793	0	0	0	0	0	1
## 795	0	1	1	4	1	1
## 799	0	3	1	0	0	1
## 802	5	1	1	2	0	2
## 810	0	1	1	2	0	2
## 818	0	1	1	0	0	2
## 822	2	0	0	0	0	1
## 823	0	1	1	0	0	1
## 828	1	1	1	0	0	2
## 835	5	1	1	0	0	1
## 836	0	1	1	0	0	1
## 841	1	1	1	0	0	3
## 855	3	1	1	0	0	2
## 856	3	1	1	0	0	1
## 860	2	1	1	0	0	1
## 861	2	1	1	0	0	1
## 864	0	3	1	0	0	1
## 886	0	3	1	0	0	1
## 892	2	1	1	0	0	3
## 898	0	0	0	0	0	2
##	lm2cat_r.1	aortic_insuff.1	aortic_insuff_r.1	aortic_sten.1	aortic_sten_r.1	
## 9	0	NA	0	NA	0	
## 15	0	0	0	0	0	
## 22	0	0	0	0	0	
## 24	0	0	0	0	0	
## 31	0	0	0	0	0	
## 32	1	NA	0	NA	0	
## 42	1	0	0	0	0	
## 53	0	0	0	0	0	

## 61	0	NA	0	NA	0
## 63	1	NA	0	NA	0
## 64	0	NA	0	NA	0
## 66	0	NA	0	NA	0
## 78	1	NA	0	NA	0
## 82	1	NA	0	NA	0
## 84	0	NA	0	NA	0
## 85	0	NA	0	NA	0
## 86	0	0	0	0	0
## 104	0	NA	0	NA	0
## 106	0	0	0	0	0
## 111	0	NA	0	NA	0
## 114	1	NA	0	NA	0
## 115	1	NA	0	NA	0
## 117	0	NA	0	NA	0
## 130	0	NA	0	NA	0
## 133	0	NA	0	NA	0
## 135	0	NA	0	NA	0
## 138	1	NA	0	NA	0
## 143	0	0	0	0	0
## 145	1	NA	0	NA	0
## 152	0	0	0	0	0
## 153	0	NA	0	NA	0
## 165	1	0	0	0	0
## 173	1	NA	0	NA	0
## 178	0	NA	0	NA	0
## 182	0	0	0	0	0
## 187	0	NA	0	NA	0
## 189	0	NA	0	NA	0
## 191	0	0	0	0	0
## 192	0	0	0	0	0
## 197	1	NA	0	NA	0
## 201	0	NA	0	NA	0
## 207	1	0	0	0	0
## 208	1	NA	0	NA	0
## 213	0	0	0	0	0
## 219	1	NA	0	NA	0
## 221	0	NA	0	NA	0
## 235	0	0	0	0	0
## 237	1	0	0	0	0
## 240	0	NA	0	NA	0
## 244	0	NA	0	NA	0
## 245	0	1	1	1	1
## 247	1	NA	0	NA	0
## 253	0	NA	0	NA	0
## 260	1	NA	0	NA	0
## 263	0	0	0	0	0
## 271	1	NA	0	NA	0
## 274	0	NA	0	NA	0
## 284	0	NA	0	NA	0
## 288	0	NA	0	NA	0
## 289	1	NA	0	NA	0
## 294	0	0	0	0	0
## 296	0	NA	0	NA	0

## 297	0	NA	0	NA	0
## 298	0	NA	0	NA	0
## 300	0	NA	0	NA	0
## 301	0	0	0	0	0
## 304	0	0	0	0	0
## 307	1	0	0	0	0
## 316	0	0	0	0	0
## 317	1	0	0	0	0
## 320	0	0	0	0	0
## 321	1	NA	0	NA	0
## 326	0	0	0	0	0
## 330	0	NA	0	NA	0
## 333	1	NA	0	NA	0
## 334	1	0	0	0	0
## 337	0	NA	0	NA	0
## 338	1	NA	0	NA	0
## 348	1	NA	0	NA	0
## 353	1	0	0	0	0
## 354	0	0	0	0	0
## 355	1	0	0	0	0
## 356	1	NA	0	NA	0
## 359	0	NA	0	NA	0
## 364	1	NA	0	NA	0
## 369	1	NA	0	NA	0
## 378	1	NA	0	NA	0
## 381	0	NA	0	NA	0
## 386	0	NA	0	NA	0
## 388	0	NA	0	NA	0
## 392	0	NA	0	NA	0
## 394	0	NA	0	NA	0
## 396	1	NA	0	NA	0
## 404	0	0	0	0	0
## 406	0	0	0	0	0
## 408	1	0	0	0	0
## 411	0	NA	0	NA	0
## 422	1	NA	0	NA	0
## 423	1	NA	0	NA	0
## 426	0	NA	0	NA	0
## 452	1	NA	0	NA	0
## 454	0	NA	0	NA	0
## 456	1	0	0	0	0
## 458	1	0	0	0	0
## 468	1	NA	0	NA	0
## 469	0	NA	0	NA	0
## 472	1	0	0	0	0
## 479	1	0	0	0	0
## 485	0	NA	0	NA	0
## 488	0	NA	0	NA	0
## 490	1	NA	0	NA	0
## 495	0	NA	0	NA	0
## 498	0	0	0	0	0
## 501	1	NA	0	NA	0
## 502	0	0	0	0	0
## 506	1	0	0	0	0

## 515	0	NA	0	NA	0
## 517	0	NA	0	NA	0
## 525	0	0	0	0	0
## 526	0	0	0	0	0
## 533	0	NA	0	NA	0
## 556	0	0	0	0	0
## 561	0	NA	0	NA	0
## 571	1	NA	0	NA	0
## 572	1	NA	0	NA	0
## 582	0	NA	0	NA	0
## 592	0	NA	0	NA	0
## 598	0	NA	0	NA	0
## 600	1	NA	0	NA	0
## 607	0	0	0	0	0
## 612	1	NA	0	NA	0
## 622	0	NA	0	NA	0
## 627	0	0	0	0	0
## 630	0	NA	0	NA	0
## 635	0	NA	0	NA	0
## 640	0	NA	0	NA	0
## 642	0	NA	0	NA	0
## 644	0	0	0	0	0
## 645	0	0	0	0	0
## 649	0	NA	0	NA	0
## 657	0	NA	0	NA	0
## 662	0	0	0	0	0
## 664	0	NA	0	NA	0
## 667	0	NA	0	NA	0
## 669	0	0	0	0	0
## 670	0	NA	0	1	1
## 679	0	NA	0	NA	0
## 683	1	NA	0	NA	0
## 687	0	NA	0	NA	0
## 688	0	NA	0	NA	0
## 691	1	NA	0	NA	0
## 694	1	0	0	0	0
## 696	0	NA	0	NA	0
## 710	0	0	0	0	0
## 712	0	0	0	0	0
## 714	1	0	0	0	0
## 717	0	NA	0	NA	0
## 719	0	NA	0	NA	0
## 722	1	NA	0	NA	0
## 725	0	NA	0	NA	0
## 729	0	NA	0	NA	0
## 733	0	NA	0	NA	0
## 740	0	0	0	0	0
## 743	0	NA	0	NA	0
## 746	0	NA	0	1	1
## 747	0	NA	0	NA	0
## 749	0	NA	0	NA	0
## 759	1	NA	0	NA	0
## 763	1	0	0	0	0
## 766	0	NA	0	NA	0

## 776	0	0	0	0	0
## 793	0	NA	0	NA	0
## 795	0	NA	0	NA	0
## 799	0	0	0	0	0
## 802	1	NA	0	NA	0
## 810	1	NA	0	NA	0
## 818	1	NA	0	NA	0
## 822	0	0	0	0	0
## 823	0	NA	0	NA	0
## 828	1	NA	0	NA	0
## 835	0	NA	0	NA	0
## 836	0	NA	0	NA	0
## 841	1	NA	0	NA	0
## 855	1	NA	0	NA	0
## 856	0	NA	0	NA	0
## 860	0	NA	0	NA	0
## 861	0	NA	0	NA	0
## 864	0	0	0	0	0
## 886	0	0	0	0	0
## 892	1	NA	0	NA	0
## 898	1	NA	0	NA	0
##	chf_nyha_iv.1	chf_nyha_ltiv.1	chf_nyha_iv_r.1	chf_nyha_ltiv_r.1	smoker_r.1
## 9	0	0	0	0	1
## 15	0	0	0	0	0
## 22	0	0	0	0	0
## 24	0	0	0	0	0
## 31	0	0	0	0	0
## 32	0	1	0	1	0
## 42	0	0	0	0	0
## 53	0	0	0	0	0
## 61	0	0	0	0	0
## 63	0	NA	0	0	0
## 64	0	0	0	0	1
## 66	0	0	0	0	1
## 78	0	0	0	0	0
## 82	0	0	0	0	0
## 84	0	0	0	0	0
## 85	0	0	0	0	1
## 86	0	0	0	0	0
## 104	0	0	0	0	1
## 106	0	0	0	0	0
## 111	0	0	0	0	0
## 114	0	0	0	0	0
## 115	0	0	0	0	0
## 117	0	0	0	0	0
## 130	0	0	0	0	0
## 133	0	0	0	0	0
## 135	0	0	0	0	0
## 138	0	1	0	1	0
## 143	0	0	0	0	0
## 145	0	0	0	0	0
## 152	0	0	0	0	0
## 153	0	0	0	0	0
## 165	0	0	0	0	0

## 173	0	0	0	0	0
## 178	0	0	0	0	1
## 182	0	1	0	1	1
## 187	0	0	0	0	1
## 189	0	NA	0	0	0
## 191	0	0	0	0	1
## 192	0	0	0	0	0
## 197	0	0	0	0	1
## 201	0	0	0	0	0
## 207	0	0	0	0	1
## 208	0	0	0	0	0
## 213	0	0	0	0	1
## 219	0	0	0	0	0
## 221	0	0	0	0	0
## 235	0	0	0	0	0
## 237	0	0	0	0	1
## 240	0	0	0	0	0
## 244	0	0	0	0	1
## 245	0	NA	0	0	0
## 247	0	0	0	0	0
## 253	0	0	0	0	0
## 260	0	0	0	0	0
## 263	0	1	0	1	1
## 271	0	0	0	0	1
## 274	0	0	0	0	1
## 284	0	0	0	0	1
## 288	0	0	0	0	0
## 289	0	0	0	0	0
## 294	0	0	0	0	1
## 296	0	0	0	0	0
## 297	0	0	0	0	0
## 298	0	0	0	0	0
## 300	0	0	0	0	1
## 301	0	0	0	0	0
## 304	0	0	0	0	0
## 307	0	0	0	0	0
## 316	0	0	0	0	0
## 317	0	0	0	0	1
## 320	NA	0	0	0	1
## 321	NA	0	0	0	0
## 326	0	0	0	0	0
## 330	0	0	0	0	0
## 333	0	0	0	0	0
## 334	0	0	0	0	0
## 337	0	0	0	0	0
## 338	0	0	0	0	0
## 348	0	0	0	0	0
## 353	0	0	0	0	1
## 354	0	0	0	0	0
## 355	0	0	0	0	1
## 356	NA	0	0	0	1
## 359	0	0	0	0	1
## 364	0	0	0	0	0
## 369	0	0	0	0	0

## 378	0	0	0	0	1
## 381	0	0	0	0	0
## 386	0	0	0	0	0
## 388	0	0	0	0	1
## 392	0	0	0	0	1
## 394	0	0	0	0	0
## 396	0	0	0	0	0
## 404	0	0	0	0	0
## 406	0	0	0	0	0
## 408	0	0	0	0	0
## 411	0	0	0	0	0
## 422	0	0	0	0	1
## 423	0	0	0	0	1
## 426	0	0	0	0	0
## 452	0	0	0	0	0
## 454	0	0	0	0	0
## 456	0	0	0	0	0
## 458	0	0	0	0	0
## 468	0	0	0	0	0
## 469	0	0	0	0	0
## 472	0	0	0	0	0
## 479	0	0	0	0	0
## 485	0	0	0	0	0
## 488	0	0	0	0	0
## 490	0	0	0	0	0
## 495	0	0	0	0	1
## 498	0	0	0	0	0
## 501	0	0	0	0	0
## 502	0	0	0	0	0
## 506	0	0	0	0	0
## 515	0	0	0	0	0
## 517	0	0	0	0	1
## 525	0	0	0	0	0
## 526	0	0	0	0	0
## 533	0	0	0	0	0
## 556	0	0	0	0	0
## 561	0	0	0	0	0
## 571	0	0	0	0	0
## 572	0	0	0	0	0
## 582	NA	0	0	0	0
## 592	0	0	0	0	0
## 598	0	0	0	0	0
## 600	0	0	0	0	1
## 607	0	0	0	0	0
## 612	0	0	0	0	0
## 622	0	0	0	0	0
## 627	0	0	0	0	0
## 630	0	1	0	1	1
## 635	0	0	0	0	0
## 640	0	0	0	0	0
## 642	0	0	0	0	1
## 644	0	0	0	0	0
## 645	0	1	0	1	1
## 649	0	0	0	0	1

## 657	0	0	0	0	0	
## 662	0	0	0	0	0	
## 664	0	0	0	0	0	
## 667	0	0	0	0	0	
## 669	0	1	0	1	0	
## 670	0	0	0	0	0	
## 679	0	0	0	0	0	
## 683	0	0	0	0	0	
## 687	0	0	0	0	1	
## 688	0	NA	0	0	0	
## 691	1	0	1	0	0	
## 694	0	0	0	0	0	
## 696	0	0	0	0	1	
## 710	0	0	0	0	0	
## 712	1	0	1	0	0	
## 714	0	1	0	1	0	
## 717	0	0	0	0	1	
## 719	0	0	0	0	0	
## 722	0	0	0	0	1	
## 725	0	0	0	0	0	
## 729	0	0	0	0	0	
## 733	0	0	0	0	0	
## 740	0	0	0	0	0	
## 743	0	0	0	0	0	
## 746	0	0	0	0	1	
## 747	0	0	0	0	0	
## 749	0	0	0	0	0	
## 759	0	0	0	0	1	
## 763	0	1	0	1	1	
## 766	NA	0	0	0	0	
## 776	0	NA	0	0	0	
## 793	0	0	0	0	0	
## 795	0	0	0	0	0	
## 799	0	0	0	0	1	
## 802	0	0	0	0	0	
## 810	0	0	0	0	0	
## 818	0	0	0	0	0	
## 822	0	0	0	0	0	
## 823	0	0	0	0	0	
## 828	0	0	0	0	0	
## 835	0	0	0	0	1	
## 836	0	0	0	0	0	
## 841	0	0	0	0	0	
## 855	0	0	0	0	1	
## 856	0	0	0	0	1	
## 860	0	0	0	0	0	
## 861	0	1	0	1	0	
## 864	0	0	0	0	0	
## 886	0	0	0	0	0	
## 892	0	0	0	0	1	
## 898	0	0	0	0	0	
##	cvd.1	cvd_r.1	htcm_d.1	htcm_r.1	htcm_d_r.1	mitral_insuff.1
## 9	0	0	17	175.00	17	NA
## 15	0	0	18	182.00	18	0

## 22	0	0	16	164.00	16	0
## 24	0	0	17	173.00	17	0
## 31	0	0	17	177.00	17	0
## 32	0	0	17	178.00	17	NA
## 42	1	1	17	175.00	17	0
## 53	0	0	17	177.00	17	0
## 61	0	0	17	170.00	17	NA
## 63	0	0	18	184.00	18	NA
## 64	1	1	18	185.00	18	NA
## 66	0	0	16	162.60	16	NA
## 78	1	1	17	173.00	17	NA
## 82	0	0	18	183.00	18	NA
## 84	0	0	17	170.00	17	NA
## 85	0	0	18	183.00	18	NA
## 86	0	0	17	178.00	17	0
## 104	1	1	18	185.00	18	NA
## 106	0	0	16	165.00	16	0
## 111	0	0	17	178.00	17	NA
## 114	1	1	18	183.00	18	NA
## 115	1	1	17	173.00	17	NA
## 117	0	0	17	178.00	17	NA
## 130	0	0	18	180.00	18	NA
## 133	1	1	17	172.00	17	NA
## 135	0	0	17	175.00	17	NA
## 138	1	1	17	173.00	17	NA
## 143	0	0	17	170.00	17	0
## 145	0	0	18	182.00	18	NA
## 152	0	0	18	184.00	18	0
## 153	0	0	18	180.00	18	NA
## 165	0	0	18	180.00	18	0
## 173	0	0	18	180.00	18	NA
## 178	0	0	17	173.00	17	NA
## 182	0	0	17	174.00	17	0
## 187	0	0	18	183.00	18	NA
## 189	0	0	17	175.00	17	NA
## 191	0	0	18	188.01	18	0
## 192	0	0	17	170.00	17	0
## 197	0	0	17	175.00	17	NA
## 201	1	1	17	175.00	17	NA
## 207	0	0	17	175.10	17	0
## 208	0	0	17	178.00	17	NA
## 213	0	0	17	172.00	17	0
## 219	0	0	17	173.00	17	NA
## 221	1	1	17	170.00	17	NA
## 235	0	0	17	174.00	17	0
## 237	0	0	18	188.00	18	0
## 240	0	0	17	175.00	17	NA
## 244	0	0	17	175.00	17	NA
## 245	0	0	18	180.00	18	1
## 247	0	0	17	175.00	17	NA
## 253	0	0	18	183.00	18	NA
## 260	0	0	18	180.00	18	NA
## 263	0	0	18	185.00	18	0
## 271	0	0	17	170.00	17	NA

## 274	1	1	17	178.00	17	NA
## 284	0	0	16	168.00	16	NA
## 288	0	0	17	175.00	17	NA
## 289	0	0	18	183.00	18	NA
## 294	0	0	18	180.00	18	0
## 296	0	0	17	170.00	17	NA
## 297	0	0	16	165.00	16	NA
## 298	0	0	17	178.00	17	NA
## 300	0	0	18	183.00	18	NA
## 301	0	0	16	165.00	16	0
## 304	0	0	17	172.00	17	0
## 307	0	0	16	165.00	16	0
## 316	0	0	18	182.00	18	0
## 317	1	1	18	182.00	18	0
## 320	0	0	18	185.00	18	1
## 321	1	1	17	177.80	17	NA
## 326	0	0	17	177.14	17	0
## 330	1	1	18	188.00	18	NA
## 333	1	1	16	160.00	16	NA
## 334	0	0	17	178.00	17	0
## 337	0	0	17	170.00	17	NA
## 338	0	0	17	175.00	17	NA
## 348	0	0	17	173.00	17	NA
## 353	0	0	18	185.00	18	0
## 354	0	0	17	172.00	17	0
## 355	0	0	17	174.00	17	0
## 356	0	0	17	175.00	17	NA
## 359	1	1	17	170.00	17	NA
## 364	0	0	18	180.00	18	NA
## 369	0	0	17	178.00	17	NA
## 378	0	0	18	185.00	18	NA
## 381	0	0	17	173.00	17	NA
## 386	0	0	17	178.00	17	NA
## 388	0	0	16	165.00	16	NA
## 392	0	0	17	170.00	17	NA
## 394	0	0	19	190.00	19	NA
## 396	0	0	17	178.00	17	NA
## 404	1	1	17	175.00	17	0
## 406	0	0	18	180.00	18	0
## 408	0	0	16	169.00	16	0
## 411	0	0	17	173.00	17	NA
## 422	1	1	17	172.00	17	NA
## 423	0	0	16	168.00	16	NA
## 426	1	1	17	178.00	17	NA
## 452	1	1	17	173.00	17	NA
## 454	0	0	16	167.00	16	NA
## 456	0	0	17	173.00	17	0
## 458	0	0	18	185.00	18	0
## 468	1	1	16	163.00	16	NA
## 469	0	0	17	173.00	17	NA
## 472	0	0	16	168.12	16	0
## 479	0	0	17	173.00	17	0
## 485	0	0	18	180.00	18	NA
## 488	0	0	17	178.00	17	NA

## 490	1	1	16	168.00	16	NA
## 495	0	0	17	178.00	17	NA
## 498	0	0	17	177.00	17	0
## 501	1	1	17	179.00	17	NA
## 502	0	0	17	177.00	17	0
## 506	0	0	18	180.00	18	0
## 515	0	0	17	173.00	17	NA
## 517	0	0	17	175.00	17	NA
## 525	0	0	18	182.00	18	0
## 526	0	0	16	166.00	16	0
## 533	1	1	17	170.00	17	NA
## 556	0	0	18	180.14	18	0
## 561	0	0	17	175.00	17	NA
## 571	0	0	17	170.00	17	NA
## 572	0	0	16	168.00	16	NA
## 582	1	1	17	176.00	17	NA
## 592	0	0	17	170.00	17	NA
## 598	0	0	17	178.00	17	NA
## 600	1	1	16	168.00	16	NA
## 607	1	1	17	174.00	17	0
## 612	1	1	17	175.00	17	NA
## 622	0	0	18	180.00	18	NA
## 627	0	0	16	160.00	16	0
## 630	0	0	17	173.00	17	1
## 635	0	0	16	167.00	16	NA
## 640	0	0	15	158.00	15	NA
## 642	0	0	18	183.00	18	NA
## 644	0	0	17	170.00	17	0
## 645	0	0	18	180.00	18	0
## 649	0	0	17	173.00	17	NA
## 657	0	0	17	178.00	17	NA
## 662	0	0	17	174.00	17	0
## 664	0	0	18	180.00	18	NA
## 667	0	0	16	163.00	16	NA
## 669	0	0	17	173.00	17	0
## 670	0	0	17	175.00	17	NA
## 679	0	0	18	183.00	18	NA
## 683	0	0	16	168.00	16	NA
## 687	0	0	16	168.00	16	NA
## 688	0	0	17	173.00	17	NA
## 691	0	0	18	183.00	18	NA
## 694	1	1	16	165.00	16	0
## 696	1	1	17	178.00	17	NA
## 710	0	0	16	162.00	16	0
## 712	0	0	17	170.00	17	0
## 714	0	0	16	169.00	16	0
## 717	1	1	17	175.00	17	NA
## 719	0	0	17	173.00	17	NA
## 722	0	0	17	170.00	17	NA
## 725	0	0	17	173.00	17	NA
## 729	0	0	17	173.00	17	NA
## 733	0	0	17	179.00	17	NA
## 740	0	0	17	170.13	17	0
## 743	0	0	16	168.00	16	NA

## 746	0	0	17	177.00	17	NA
## 747	0	0	16	165.00	16	NA
## 749	1	1	17	170.00	17	NA
## 759	0	0	17	173.00	17	NA
## 763	0	0	17	173.00	17	0
## 766	0	0	17	175.00	17	NA
## 776	0	0	18	185.00	18	0
## 793	0	0	18	180.34	18	NA
## 795	0	0	17	170.00	17	NA
## 799	0	0	18	183.00	18	0
## 802	0	0	18	183.00	18	NA
## 810	0	0	17	175.00	17	NA
## 818	0	0	17	175.00	17	NA
## 822	0	0	19	190.00	19	0
## 823	0	0	17	175.00	17	NA
## 828	1	1	18	180.00	18	NA
## 835	0	0	18	180.00	18	NA
## 836	0	0	16	165.00	16	NA
## 841	1	1	16	165.00	16	NA
## 855	1	1	18	183.00	18	NA
## 856	1	1	16	168.00	16	NA
## 860	0	0	18	185.00	18	NA
## 861	0	0	17	170.00	17	1
## 864	0	0	18	181.00	18	0
## 886	0	0	17	173.00	17	0
## 892	0	0	16	165.00	16	NA
## 898	0	0	17	170.00	17	NA
##	mitral_insuff_r.1	carotid_sten.1	carotid_sten_r.1	pvd.1	pvd_r.1	
## 9	0	0	0	0	0	0
## 15	0	NA	0	0	0	0
## 22	0	NA	0	0	0	0
## 24	0	NA	0	0	0	0
## 31	0	NA	0	0	0	0
## 32	0	0	0	0	0	0
## 42	0	NA	0	0	0	0
## 53	0	NA	0	0	0	0
## 61	0	0	0	0	0	0
## 63	0	0	0	0	0	0
## 64	0	0	0	0	0	0
## 66	0	0	0	0	0	0
## 78	0	1	1	1	1	1
## 82	0	0	0	0	0	0
## 84	0	0	0	0	0	0
## 85	0	0	0	0	0	0
## 86	0	NA	0	0	0	0
## 104	0	0	0	0	0	0
## 106	0	0	0	0	0	0
## 111	0	0	0	0	0	0
## 114	0	1	1	1	1	1
## 115	0	0	0	0	0	0
## 117	0	0	0	0	0	0
## 130	0	0	0	0	0	0
## 133	0	0	0	1	1	1
## 135	0	0	0	0	0	0

## 138	0	1	1	1	1
## 143	0	NA	0	0	0
## 145	0	0	0	0	0
## 152	0	0	0	0	0
## 153	0	0	0	0	0
## 165	0	NA	0	0	0
## 173	0	0	0	0	0
## 178	0	0	0	0	0
## 182	0	NA	0	0	0
## 187	0	0	0	0	0
## 189	0	0	0	0	0
## 191	0	0	0	0	0
## 192	0	NA	0	0	0
## 197	0	0	0	0	0
## 201	0	1	1	0	0
## 207	0	0	0	0	0
## 208	0	0	0	0	0
## 213	0	NA	0	1	1
## 219	0	0	0	0	0
## 221	0	1	1	0	0
## 235	0	NA	0	0	0
## 237	0	NA	0	0	0
## 240	0	0	0	0	0
## 244	0	0	0	0	0
## 245	1	0	0	0	0
## 247	0	0	0	0	0
## 253	0	0	0	0	0
## 260	0	0	0	0	0
## 263	0	NA	0	0	0
## 271	0	0	0	0	0
## 274	0	1	1	0	0
## 284	0	0	0	0	0
## 288	0	0	0	0	0
## 289	0	0	0	0	0
## 294	0	NA	0	0	0
## 296	0	0	0	0	0
## 297	0	0	0	0	0
## 298	0	0	0	0	0
## 300	0	0	0	0	0
## 301	0	NA	0	1	1
## 304	0	NA	0	0	0
## 307	0	NA	0	0	0
## 316	0	NA	0	0	0
## 317	0	NA	0	1	1
## 320	1	NA	0	0	0
## 321	0	0	0	1	1
## 326	0	0	0	0	0
## 330	0	1	1	0	0
## 333	0	1	1	0	0
## 334	0	NA	0	0	0
## 337	0	0	0	0	0
## 338	0	0	0	0	0
## 348	0	0	0	0	0
## 353	0	NA	0	0	0

## 354	0	NA	0	0	0
## 355	0	NA	0	0	0
## 356	0	0	0	0	0
## 359	0	0	0	0	0
## 364	0	1	1	1	1
## 369	0	0	0	0	0
## 378	0	0	0	0	0
## 381	0	0	0	0	0
## 386	0	0	0	1	1
## 388	0	0	0	1	1
## 392	0	0	0	0	0
## 394	0	0	0	0	0
## 396	0	0	0	0	0
## 404	0	NA	0	0	0
## 406	0	NA	0	0	0
## 408	0	NA	0	0	0
## 411	0	0	0	0	0
## 422	0	1	1	1	1
## 423	0	0	0	0	0
## 426	0	0	0	0	0
## 452	0	0	0	1	1
## 454	0	0	0	0	0
## 456	0	NA	0	0	0
## 458	0	NA	0	0	0
## 468	0	1	1	1	1
## 469	0	0	0	0	0
## 472	0	0	0	0	0
## 479	0	NA	0	0	0
## 485	0	0	0	0	0
## 488	0	0	0	0	0
## 490	0	1	1	1	1
## 495	0	0	0	0	0
## 498	0	NA	0	0	0
## 501	0	1	1	0	0
## 502	0	NA	0	0	0
## 506	0	NA	0	0	0
## 515	0	0	0	0	0
## 517	0	0	0	0	0
## 525	0	NA	0	0	0
## 526	0	NA	0	0	0
## 533	0	1	1	0	0
## 556	0	0	0	0	0
## 561	0	1	1	0	0
## 571	0	0	0	0	0
## 572	0	0	0	0	0
## 582	0	0	0	0	0
## 592	0	0	0	0	0
## 598	0	0	0	0	0
## 600	0	1	1	0	0
## 607	0	NA	0	1	1
## 612	0	0	0	0	0
## 622	0	0	0	1	1
## 627	0	NA	0	0	0
## 630	1	1	1	0	0

## 635	0	0	0	1	1
## 640	0	0	0	0	0
## 642	0	0	0	1	1
## 644	0	NA	0	0	0
## 645	0	NA	0	0	0
## 649	0	0	0	0	0
## 657	0	0	0	0	0
## 662	0	NA	0	0	0
## 664	0	0	0	0	0
## 667	0	0	0	0	0
## 669	0	NA	0	0	0
## 670	0	0	0	0	0
## 679	0	0	0	0	0
## 683	0	0	0	0	0
## 687	0	0	0	0	0
## 688	0	0	0	0	0
## 691	0	0	0	1	1
## 694	0	NA	0	0	0
## 696	0	0	0	0	0
## 710	0	NA	0	0	0
## 712	0	NA	0	1	1
## 714	0	NA	0	1	1
## 717	0	0	0	0	0
## 719	0	0	0	0	0
## 722	0	0	0	0	0
## 725	0	0	0	0	0
## 729	0	0	0	0	0
## 733	0	0	0	0	0
## 740	0	0	0	0	0
## 743	0	0	0	0	0
## 746	0	0	0	1	1
## 747	0	0	0	1	1
## 749	0	1	1	0	0
## 759	0	0	0	0	0
## 763	0	NA	0	0	0
## 766	0	0	0	0	0
## 776	0	NA	0	0	0
## 793	0	0	0	0	0
## 795	0	0	0	0	0
## 799	0	NA	0	0	0
## 802	0	0	0	0	0
## 810	0	0	0	0	0
## 818	0	0	0	0	0
## 822	0	NA	0	1	1
## 823	0	0	0	0	0
## 828	0	1	1	0	0
## 835	0	0	0	0	0
## 836	0	0	0	0	0
## 841	0	1	1	0	0
## 855	0	0	0	1	1
## 856	0	1	1	1	1
## 860	0	0	0	1	1
## 861	1	0	0	1	1
## 864	0	NA	0	0	0

## 886	0	NA	0	0	0
## 892	0	0	0	1	1
## 898	0	0	0	0	0
##	tricuspid_insuff.1	tricuspid_insuff_r.1	bmi_squared.1	bmi_r.1	bmi_squared_r.1
## 9	NA	0	583.8634	24.16326	583.8634
## 15	0	0	738.2432	27.17063	738.2432
## 22	0	0	331.9073	18.21832	331.9073
## 24	0	0	806.5911	28.40055	806.5911
## 31	0	0	900.2490	30.00415	900.2490
## 32	NA	0	1036.3832	32.19291	1036.3832
## 42	0	0	1434.7089	37.87755	1434.7090
## 53	0	0	771.1617	27.76980	771.1617
## 61	NA	0	1035.5480	32.17993	1035.5480
## 63	NA	0	1298.5192	36.03497	1298.5193
## 64	NA	0	1398.7272	37.39956	1398.7273
## 66	NA	0	429.6145	20.72714	429.6145
## 78	NA	0	603.1013	24.55812	603.1013
## 82	NA	0	629.1500	25.08286	629.1500
## 84	NA	0	747.2372	27.33564	747.2372
## 85	NA	0	909.5747	30.15916	909.5748
## 86	0	0	1294.5824	35.98031	1294.5823
## 104	NA	0	588.1245	24.25128	588.1245
## 106	0	0	929.4380	30.48669	929.4379
## 111	NA	0	806.8727	28.40550	806.8727
## 114	NA	0	957.0071	30.93553	957.0071
## 115	NA	0	594.9238	24.39106	594.9237
## 117	NA	0	824.9028	28.72112	824.9028
## 130	NA	0	806.2795	28.39506	806.2795
## 133	NA	0	1259.6932	35.49216	1259.6932
## 135	NA	0	716.9279	26.77551	716.9280
## 138	NA	0	627.9689	25.05931	627.9689
## 143	0	0	1126.5430	33.56401	1126.5431
## 145	NA	0	911.4114	30.18959	911.4114
## 152	0	0	452.2658	21.26654	452.2658
## 153	NA	0	737.6924	27.16049	737.6924
## 165	0	0	896.3001	29.93827	896.3002
## 173	NA	0	771.6049	27.77778	771.6050
## 178	NA	0	337.7077	18.37683	337.7077
## 182	0	0	864.1378	29.39622	864.1378
## 187	NA	0	891.6525	29.86055	891.6525
## 189	NA	0	583.8634	24.16326	583.8634
## 191	0	0	564.7222	23.76388	564.7222
## 192	0	0	1370.7930	37.02422	1370.7931
## 197	NA	0	716.9279	26.77551	716.9280
## 201	NA	0	974.4591	31.21633	974.4590
## 207	0	0	1053.1775	32.45270	1053.1776
## 208	NA	0	447.1668	21.14632	447.1669
## 213	0	0	845.0514	29.06977	845.0513
## 219	NA	0	714.4890	26.72993	714.4890
## 221	NA	0	906.2391	30.10381	906.2391
## 235	0	0	943.5586	30.71740	943.5586
## 237	0	0	968.6212	31.12268	968.6213
## 240	NA	0	844.5548	29.06122	844.5548
## 244	NA	0	617.4718	24.84898	617.4718

## 245	NA	0	788.8470	28.08642	788.8470
## 247	NA	0	880.9993	29.68163	880.9993
## 253	NA	0	964.4114	31.05497	964.4114
## 260	NA	0	806.2795	28.39506	806.2795
## 263	0	0	1070.9005	32.72462	1070.9005
## 271	NA	0	747.2372	27.33564	747.2372
## 274	NA	0	781.9652	27.96364	781.9651
## 284	NA	0	864.8067	29.40760	864.8068
## 288	NA	0	443.5752	21.06122	443.5752
## 289	NA	0	1338.0360	36.57917	1338.0360
## 294	0	0	1281.8168	35.80247	1281.8167
## 296	NA	0	1066.9604	32.66436	1066.9604
## 297	NA	0	2315.2976	48.11754	2315.2976
## 298	NA	0	1556.4674	39.45209	1556.4675
## 300	NA	0	1020.8530	31.95079	1020.8530
## 301	0	0	680.1127	26.07897	680.1128
## 304	0	0	806.2037	28.39373	806.2037
## 307	0	0	718.9686	26.81359	718.9687
## 316	0	0	1024.0619	32.00097	1024.0618
## 317	0	0	433.9230	20.83082	433.9230
## 320	0	0	1602.3384	40.02922	1602.3381
## 321	NA	0	808.7092	28.43781	808.7092
## 326	0	0	1297.3108	36.01820	1297.3107
## 330	NA	0	816.6037	28.57628	816.6037
## 333	NA	0	1001.1292	31.64062	1001.1292
## 334	0	0	606.0510	24.61810	606.0510
## 337	NA	0	638.0431	25.25952	638.0431
## 338	NA	0	615.8500	24.81633	615.8500
## 348	NA	0	375.5533	19.37920	375.5533
## 353	0	0	977.4187	31.26370	977.4187
## 354	0	0	967.0788	31.09789	967.0788
## 355	0	0	549.9456	23.45092	549.9456
## 356	NA	0	754.1188	27.46122	754.1188
## 359	NA	0	586.6788	24.22145	586.6788
## 364	NA	0	797.5394	28.24074	797.5394
## 369	NA	0	702.8757	26.51180	702.8758
## 378	NA	0	1579.0319	39.73703	1579.0319
## 381	NA	0	884.2918	29.73704	884.2919
## 386	NA	0	677.9972	26.03838	677.9972
## 388	NA	0	1295.7356	35.99633	1295.7355
## 392	NA	0	728.4396	26.98962	728.4396
## 394	NA	0	1086.6245	32.96399	1086.6246
## 396	NA	0	736.7445	27.14304	736.7445
## 404	0	0	1337.4694	36.57143	1337.4695
## 406	0	0	550.2210	23.45679	550.2211
## 408	0	0	1106.3700	33.26214	1106.3701
## 411	NA	0	1326.3818	36.41953	1326.3818
## 422	NA	0	528.3285	22.98540	528.3285
## 423	NA	0	803.4204	28.34467	803.4204
## 426	NA	0	996.1391	31.56167	996.1392
## 452	NA	0	679.2111	26.06168	679.2112
## 454	NA	0	802.3951	28.32658	802.3951
## 456	0	0	714.4890	26.72993	714.4890
## 458	0	0	770.4781	27.75749	770.4780

## 468	NA	0	775.7344	27.85201	775.7344
## 469	NA	0	1278.1539	35.75128	1278.1539
## 472	0	0	862.7559	29.37271	862.7559
## 479	0	0	1094.1730	33.07829	1094.1730
## 485	NA	0	640.5273	25.30864	640.5273
## 488	NA	0	1340.4048	36.61154	1340.4047
## 490	NA	0	725.0869	26.92744	725.0869
## 495	NA	0	545.4858	23.35564	545.4858
## 498	0	0	1721.8434	41.49510	1721.8435
## 501	NA	0	733.8839	27.09029	733.8838
## 502	0	0	788.9914	28.08899	788.9915
## 506	0	0	859.7203	29.32099	859.7203
## 515	NA	0	1375.5031	37.08778	1375.5032
## 517	NA	0	838.8707	28.96326	838.8707
## 525	0	0	1082.8479	32.90665	1082.8479
## 526	0	0	1290.7378	35.92684	1290.7379
## 533	NA	0	570.0362	23.87543	570.0363
## 556	0	0	912.4073	30.20608	912.4072
## 561	NA	0	942.1141	30.69388	942.1141
## 571	NA	0	706.1985	26.57440	706.1985
## 572	NA	0	972.1387	31.17914	972.1387
## 582	NA	0	807.0764	28.40909	807.0764
## 592	NA	0	1870.7870	43.25259	1870.7869
## 598	NA	0	1632.0743	40.39894	1632.0745
## 600	NA	0	501.4147	22.39229	501.4146
## 607	0	0	1442.7753	37.98388	1442.7754
## 612	NA	0	1064.0911	32.62041	1064.0909
## 622	NA	0	550.2210	23.45679	550.2211
## 627	0	0	1076.6602	32.81250	1076.6602
## 630	NA	0	1028.8641	32.07591	1028.8641
## 635	NA	0	629.9850	25.09950	629.9849
## 640	NA	0	1003.9790	31.68563	1003.9789
## 642	NA	0	1601.0513	40.01314	1601.0511
## 644	0	0	844.8174	29.06574	844.8175
## 645	0	0	823.9026	28.70370	823.9026
## 649	NA	0	711.4557	26.67313	711.4557
## 657	NA	0	824.9028	28.72112	824.9028
## 662	0	0	489.7254	22.12974	489.7254
## 664	NA	0	914.8758	30.24691	914.8758
## 667	NA	0	818.2326	28.60477	818.2326
## 669	0	0	661.9071	25.72755	661.9070
## 670	NA	0	882.9388	29.71429	882.9387
## 679	NA	0	1020.8530	31.95079	1020.8530
## 683	NA	0	1109.2223	33.30499	1109.2223
## 687	NA	0	864.8067	29.40760	864.8068
## 688	NA	0	864.5317	29.40292	864.5317
## 691	NA	0	719.0322	26.81478	719.0322
## 694	0	0	1166.8905	34.15978	1166.8905
## 696	NA	0	696.1976	26.38556	696.1976
## 710	0	0	1662.2927	40.77123	1662.2928
## 712	0	0	1422.5165	37.71626	1422.5165
## 714	0	0	517.9406	22.75831	517.9405
## 717	NA	0	1509.8776	38.85714	1509.8776
## 719	NA	0	696.7385	26.39580	696.7385

## 722	NA	0	747.2372	27.33564	747.2372
## 725	NA	0	986.4414	31.40767	986.4414
## 729	NA	0	924.4818	30.40529	924.4818
## 733	NA	0	1317.4900	36.29724	1317.4900
## 740	0	0	726.4018	26.95184	726.4019
## 743	NA	0	773.5746	27.81321	773.5747
## 746	NA	0	471.1126	21.70513	471.1126
## 747	NA	0	1322.3141	36.36364	1322.3140
## 749	NA	0	906.2391	30.10381	906.2391
## 759	NA	0	743.3544	27.26453	743.3544
## 763	0	0	806.5911	28.40055	806.5911
## 766	NA	0	1198.0074	34.61224	1198.0074
## 776	0	0	676.2279	26.00438	676.2280
## 793	NA	0	641.9278	25.33629	641.9278
## 795	NA	0	991.4872	31.48789	991.4871
## 799	0	0	2225.9214	47.17967	2225.9214
## 802	NA	0	531.4106	23.05234	531.4106
## 810	NA	0	583.8634	24.16326	583.8634
## 818	NA	0	1175.5103	34.28571	1175.5101
## 822	0	0	1014.8019	31.85596	1014.8019
## 823	NA	0	982.6305	31.34694	982.6306
## 828	NA	0	535.8368	23.14815	535.8367
## 835	NA	0	521.6431	22.83951	521.6431
## 836	NA	0	878.6406	29.64187	878.6406
## 841	NA	0	605.6390	24.60973	605.6390
## 855	NA	0	754.6947	27.47171	754.6946
## 856	NA	0	687.4266	26.21882	687.4266
## 860	NA	0	1014.2992	31.84806	1014.2992
## 861	1	1	3339.1602	57.78547	3339.1599
## 864	0	0	858.6737	29.30314	858.6737
## 886	0	0	1007.5411	31.74179	1007.5411
## 892	NA	0	605.6390	24.60973	605.6390
## 898	NA	0	638.0431	25.25952	638.0431
##	novsl_r.1 readmit_1y_yn_state.1 anyakin.1 creatcat.1 lm50.1 anymssd.1				
## 9	2	0	0	0	0
## 15	2	0	0	0	0
## 22	3	1	1	0	0
## 24	1	0	0	0	0
## 31	2	0	0	0	0
## 32	3	0	1	1	1
## 42	3	0	1	1	1
## 53	3	1	0	0	0
## 61	2	0	1	0	0
## 63	3	1	0	0	1
## 64	3	0	0	0	0
## 66	2	0	1	1	0
## 78	3	0	0	0	1
## 82	2	1	0	0	1
## 84	2	1	0	0	0
## 85	3	0	0	0	0
## 86	2	0	0	0	0
## 104	3	1	1	0	0
## 106	1	0	0	0	0
## 111	2	1	0	0	0

## 114	2	0	1	0	1	0
## 115	2	0	0	0	1	0
## 117	2	0	1	0	0	0
## 130	2	0	1	0	0	0
## 133	2	1	0	0	0	0
## 135	2	0	0	0	0	0
## 138	3	0	0	0	1	0
## 143	3	0	0	0	0	0
## 145	2	0	1	1	1	0
## 152	1	0	0	0	0	0
## 153	3	0	0	0	0	0
## 165	3	0	0	0	1	0
## 173	3	0	0	0	1	0
## 178	3	1	0	0	0	0
## 182	3	0	1	1	0	0
## 187	2	0	0	0	0	0
## 189	1	0	0	0	0	0
## 191	3	0	0	0	0	0
## 192	3	0	0	0	0	0
## 197	3	0	0	0	1	0
## 201	3	0	1	0	0	0
## 207	3	1	0	0	1	0
## 208	3	0	0	0	1	0
## 213	3	0	0	0	0	0
## 219	2	0	1	0	1	0
## 221	2	1	1	0	0	0
## 235	3	1	0	0	0	0
## 237	3	0	1	0	1	0
## 240	2	0	0	0	0	0
## 244	2	1	0	0	0	0
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## 247	2	0	0	0	1	0
## 253	3	0	1	1	0	0
## 260	3	0	0	0	1	0
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## 294	2	0	0	0	0	0
## 296	3	0	0	0	0	0
## 297	3	0	1	0	0	0
## 298	2	1	0	0	0	0
## 300	1	1	0	0	0	0
## 301	2	0	1	0	0	0
## 304	3	1	1	1	0	0
## 307	3	1	0	0	1	0
## 316	3	0	1	1	0	0
## 317	2	0	0	0	1	0
## 320	1	0	1	0	0	0
## 321	3	1	1	0	1	0
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## 330	3	1	1	1	0	0

## 333	2	0	0	0	1	0
## 334	3	1	0	0	1	0
## 337	3	0	0	0	0	0
## 338	2	0	0	0	1	0
## 348	2	0	0	0	1	0
## 353	3	1	1	1	1	0
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## 364	3	0	0	0	1	0
## 369	3	0	0	0	1	0
## 378	2	1	1	2	1	0
## 381	2	1	0	0	0	0
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## 392	3	0	0	0	0	0
## 394	3	0	0	0	0	0
## 396	3	0	0	0	1	0
## 404	3	1	1	0	0	0
## 406	2	0	0	0	0	0
## 408	2	0	0	0	1	0
## 411	3	0	1	0	0	0
## 422	3	1	1	0	1	0
## 423	3	0	0	0	1	0
## 426	2	0	1	0	0	0
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## 456	3	0	0	0	1	0
## 458	3	0	0	0	1	0
## 468	3	0	0	0	1	0
## 469	2	1	1	0	0	0
## 472	3	0	0	0	1	0
## 479	2	0	0	0	1	0
## 485	3	0	0	0	0	0
## 488	3	0	1	1	0	0
## 490	3	0	0	0	1	0
## 495	2	1	0	0	0	0
## 498	1	0	0	0	0	0
## 501	3	0	0	0	1	0
## 502	2	1	1	1	0	0
## 506	2	0	0	0	1	0
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## 525	3	0	0	0	0	0
## 526	1	1	0	0	0	0
## 533	3	0	0	0	0	0
## 556	2	1	0	0	0	0
## 561	3	0	0	0	0	0
## 571	3	0	0	0	1	0
## 572	2	0	1	0	1	0
## 582	2	0	0	0	0	0
## 592	3	1	0	0	0	0
## 598	1	0	1	1	0	0

## 600	3	0	0	0	1	0
## 607	1	0	1	1	0	0
## 612	3	1	0	0	1	0
## 622	3	0	0	0	0	0
## 627	3	0	1	2	0	0
## 630	2	1	0	0	0	0
## 635	1	1	1	2	0	0
## 640	2	0	0	0	0	0
## 642	2	1	1	0	0	0
## 644	2	0	0	0	0	0
## 645	1	0	0	0	0	0
## 649	3	0	0	0	0	0
## 657	1	0	0	0	0	0
## 662	2	0	0	0	0	0
## 664	3	0	0	0	0	0
## 667	1	0	0	0	0	0
## 669	3	0	0	0	0	0
## 670	2	0	0	0	0	0
## 679	3	0	0	0	0	0
## 683	2	0	0	0	1	0
## 687	2	0	0	0	0	0
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## 691	3	1	0	0	1	0
## 694	3	0	1	1	1	0
## 696	3	1	0	0	0	0
## 710	3	0	1	1	0	0
## 712	3	0	1	0	0	0
## 714	3	0	0	0	1	0
## 717	3	1	1	0	0	0
## 719	3	0	1	0	0	0
## 722	2	0	0	0	1	0
## 725	2	1	0	0	0	0
## 729	3	0	0	0	0	0
## 733	3	1	0	0	0	0
## 740	2	0	0	0	0	0
## 743	3	1	0	0	0	0
## 746	3	0	0	0	0	0
## 747	2	0	0	0	0	0
## 749	2	1	0	0	0	0
## 759	3	0	0	0	1	0
## 763	3	0	1	3	1	0
## 766	3	0	1	0	0	0
## 776	2	0	1	0	0	0
## 793	2	0	0	0	0	0
## 795	3	0	1	1	0	0
## 799	2	0	0	0	0	0
## 802	3	1	0	0	1	0
## 810	2	0	0	0	1	0
## 818	2	0	0	0	1	0
## 822	2	1	0	0	0	0
## 823	2	0	0	0	0	0
## 828	3	0	0	0	1	0
## 835	3	1	1	1	0	0
## 836	2	1	1	0	0	0

## 841	3			1	1	0	1	0	
## 855	3			0	1	0	1	0	
## 856	3			1	0	0	0	0	
## 860	1			0	0	0	0	0	
## 861	3			1	1	2	0	0	
## 864	2			0	0	0	0	0	
## 886	3			0	0	0	0	0	
## 892	2			0	0	0	1	0	
## 898	2			0	0	0	1	0	
##	lowoutput.1	emerg.1	urg.1	elec.1	bmicat.1	bmi1.1	bmi2.1	bmi3.1	bmi4.1
## 9	0	0	1	0	2	0	1	0	0
## 15	0	0	1	0	3	0	0	1	0
## 22	0	0	1	0	1	1	0	0	0
## 24	0	0	1	0	3	0	0	1	0
## 31	0	0	1	0	4	0	0	0	1
## 32	0	0	1	0	4	0	0	0	1
## 42	0	0	1	0	5	0	0	0	0
## 53	0	0	1	0	3	0	0	1	0
## 61	0	0	0	1	4	0	0	0	1
## 63	0	0	0	1	5	0	0	0	0
## 64	0	0	0	1	5	0	0	0	0
## 66	0	0	1	0	2	0	1	0	0
## 78	0	0	0	1	2	0	1	0	0
## 82	0	0	0	1	3	0	0	1	0
## 84	0	0	1	0	3	0	0	1	0
## 85	0	0	1	0	4	0	0	0	1
## 86	0	0	1	0	5	0	0	0	0
## 104	0	0	0	1	2	0	1	0	0
## 106	0	0	0	1	4	0	0	0	1
## 111	0	0	1	0	3	0	0	1	0
## 114	0	0	0	1	4	0	0	0	1
## 115	0	1	0	0	2	0	1	0	0
## 117	0	0	1	0	3	0	0	1	0
## 130	0	0	1	0	3	0	0	1	0
## 133	0	0	0	1	5	0	0	0	0
## 135	0	0	0	1	3	0	0	1	0
## 138	0	0	0	1	3	0	0	1	0
## 143	0	0	1	0	4	0	0	0	1
## 145	0	0	1	0	4	0	0	0	1
## 152	0	0	1	0	2	0	1	0	0
## 153	0	0	1	0	3	0	0	1	0
## 165	0	0	1	0	3	0	0	1	0
## 173	0	0	1	0	3	0	0	1	0
## 178	0	0	1	0	1	1	0	0	0
## 182	0	0	1	0	3	0	0	1	0
## 187	0	0	0	1	3	0	0	1	0
## 189	0	0	1	0	2	0	1	0	0
## 191	0	0	1	0	2	0	1	0	0
## 192	0	0	0	1	5	0	0	0	0
## 197	0	0	1	0	3	0	0	1	0
## 201	0	0	1	0	4	0	0	0	1
## 207	0	0	0	1	4	0	0	0	1
## 208	0	0	1	0	2	0	1	0	0
## 213	0	0	1	0	3	0	0	1	0

## 219	0	0	1	0	3	0	0	1	0
## 221	0	0	1	0	4	0	0	0	1
## 235	0	0	1	0	4	0	0	0	1
## 237	0	0	1	0	4	0	0	0	1
## 240	0	0	1	0	3	0	0	1	0
## 244	0	0	1	0	2	0	1	0	0
## 245	0	0	0	1	3	0	0	1	0
## 247	0	0	1	0	3	0	0	1	0
## 253	0	0	1	0	4	0	0	0	1
## 260	0	0	1	0	3	0	0	1	0
## 263	0	0	1	0	4	0	0	0	1
## 271	0	0	0	1	3	0	0	1	0
## 274	0	0	0	1	3	0	0	1	0
## 284	0	0	1	0	3	0	0	1	0
## 288	0	0	1	0	2	0	1	0	0
## 289	1	0	1	0	5	0	0	0	0
## 294	0	0	1	0	5	0	0	0	0
## 296	0	0	0	1	4	0	0	0	1
## 297	0	0	0	1	6	0	0	0	0
## 298	0	0	0	1	5	0	0	0	0
## 300	0	0	1	0	4	0	0	0	1
## 301	0	0	1	0	3	0	0	1	0
## 304	0	0	1	0	3	0	0	1	0
## 307	0	0	1	0	3	0	0	1	0
## 316	0	0	1	0	4	0	0	0	1
## 317	0	0	1	0	2	0	1	0	0
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## 321	0	0	1	0	3	0	0	1	0
## 326	0	0	0	1	5	0	0	0	0
## 330	0	0	1	0	3	0	0	1	0
## 333	0	0	1	0	4	0	0	0	1
## 334	0	0	1	0	2	0	1	0	0
## 337	0	0	1	0	3	0	0	1	0
## 338	0	0	1	0	2	0	1	0	0
## 348	0	0	1	0	2	0	1	0	0
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## 354	0	0	1	0	4	0	0	0	1
## 355	0	1	0	0	2	0	1	0	0
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## 359	0	0	1	0	2	0	1	0	0
## 364	0	0	1	0	3	0	0	1	0
## 369	0	0	1	0	3	0	0	1	0
## 378	0	0	0	1	5	0	0	0	0
## 381	0	0	0	1	3	0	0	1	0
## 386	0	0	0	1	3	0	0	1	0
## 388	0	0	0	1	5	0	0	0	0
## 392	0	0	0	1	3	0	0	1	0
## 394	0	0	1	0	4	0	0	0	1
## 396	0	0	1	0	3	0	0	1	0
## 404	0	0	1	0	5	0	0	0	0
## 406	0	0	1	0	2	0	1	0	0
## 408	0	0	1	0	4	0	0	0	1
## 411	0	1	0	0	5	0	0	0	0
## 422	0	0	1	0	2	0	1	0	0

## 423	0	0	0	1	3	0	0	1	0
## 426	0	0	0	1	4	0	0	0	1
## 452	0	0	1	0	3	0	0	1	0
## 454	0	0	0	1	3	0	0	1	0
## 456	0	0	1	0	3	0	0	1	0
## 458	0	0	1	0	3	0	0	1	0
## 468	0	0	1	0	3	0	0	1	0
## 469	0	0	1	0	5	0	0	0	0
## 472	0	0	0	1	3	0	0	1	0
## 479	0	0	1	0	4	0	0	0	1
## 485	0	0	1	0	3	0	0	1	0
## 488	0	0	0	1	5	0	0	0	0
## 490	0	0	0	1	3	0	0	1	0
## 495	0	0	0	1	2	0	1	0	0
## 498	0	0	1	0	6	0	0	0	0
## 501	0	0	1	0	3	0	0	1	0
## 502	0	0	1	0	3	0	0	1	0
## 506	0	0	1	0	3	0	0	1	0
## 515	0	0	1	0	5	0	0	0	0
## 517	0	0	0	1	3	0	0	1	0
## 525	0	0	1	0	4	0	0	0	1
## 526	1	0	0	1	5	0	0	0	0
## 533	0	0	1	0	2	0	1	0	0
## 556	0	0	1	0	4	0	0	0	1
## 561	0	0	0	1	4	0	0	0	1
## 571	0	0	1	0	3	0	0	1	0
## 572	0	0	1	0	4	0	0	0	1
## 582	0	0	0	1	3	0	0	1	0
## 592	0	0	1	0	6	0	0	0	0
## 598	0	0	1	0	6	0	0	0	0
## 600	0	0	0	1	2	0	1	0	0
## 607	0	0	1	0	5	0	0	0	0
## 612	0	0	1	0	4	0	0	0	1
## 622	0	0	1	0	2	0	1	0	0
## 627	0	0	1	0	4	0	0	0	1
## 630	0	0	1	0	4	0	0	0	1
## 635	0	0	1	0	3	0	0	1	0
## 640	0	0	1	0	4	0	0	0	1
## 642	0	0	1	0	6	0	0	0	0
## 644	0	0	1	0	3	0	0	1	0
## 645	0	0	1	0	3	0	0	1	0
## 649	0	0	0	1	3	0	0	1	0
## 657	0	0	0	1	3	0	0	1	0
## 662	0	0	1	0	2	0	1	0	0
## 664	0	1	0	0	4	0	0	0	1
## 667	0	0	1	0	3	0	0	1	0
## 669	1	0	1	0	3	0	0	1	0
## 670	0	0	0	1	3	0	0	1	0
## 679	0	0	1	0	4	0	0	0	1
## 683	0	0	0	1	4	0	0	0	1
## 687	0	0	0	1	3	0	0	1	0
## 688	0	0	1	0	3	0	0	1	0
## 691	0	0	1	0	3	0	0	1	0
## 694	0	0	1	0	4	0	0	0	1

## 696	0	0	0	1	3	0	0	1	0
## 710	0	0	1	0	6	0	0	0	0
## 712	0	0	1	0	5	0	0	0	0
## 714	0	0	1	0	2	0	1	0	0
## 717	0	0	0	1	5	0	0	0	0
## 719	0	0	1	0	3	0	0	1	0
## 722	0	0	1	0	3	0	0	1	0
## 725	0	0	0	1	4	0	0	0	1
## 729	0	0	1	0	4	0	0	0	1
## 733	0	0	1	0	5	0	0	0	0
## 740	0	0	1	0	3	0	0	1	0
## 743	0	0	0	1	3	0	0	1	0
## 746	0	0	0	1	2	0	1	0	0
## 747	0	0	1	0	5	0	0	0	0
## 749	0	0	0	1	4	0	0	0	1
## 759	0	0	1	0	3	0	0	1	0
## 763	0	0	1	0	3	0	0	1	0
## 766	0	0	0	1	4	0	0	0	1
## 776	0	0	1	0	3	0	0	1	0
## 793	0	0	1	0	3	0	0	1	0
## 795	0	0	1	0	4	0	0	0	1
## 799	0	0	1	0	6	0	0	0	0
## 802	0	0	1	0	2	0	1	0	0
## 810	0	0	1	0	2	0	1	0	0
## 818	0	0	1	0	4	0	0	0	1
## 822	0	0	1	0	4	0	0	0	1
## 823	0	0	1	0	4	0	0	0	1
## 828	0	0	1	0	2	0	1	0	0
## 835	0	0	1	0	2	0	1	0	0
## 836	0	0	0	1	3	0	0	1	0
## 841	0	0	1	0	2	0	1	0	0
## 855	0	0	0	1	3	0	0	1	0
## 856	0	0	0	1	3	0	0	1	0
## 860	0	0	0	1	4	0	0	0	1
## 861	0	0	1	0	6	0	0	0	0
## 864	0	0	1	0	3	0	0	1	0
## 886	0	0	1	0	4	0	0	0	1
## 892	0	0	1	0	2	0	1	0	0
## 898	0	0	1	0	3	0	0	1	0
##	bmi5.1	bmi6.1	lvedpm.1	anemiapre.1	iabpintra.1	lof1.1	ptimenumban.1		
## 9	0	0	0	1	0	0	29.00000		
## 15	0	0	0	0	0	0	24.50000		
## 22	0	0	0	0	0	0	27.50000		
## 24	0	0	0	0	0	0	61.38700		
## 31	0	0	1	0	0	0	27.50000		
## 32	0	0	0	1	0	0	20.20000		
## 42	1	0	1	1	0	0	57.33333		
## 53	0	0	0	0	0	0	23.40000		
## 61	0	0	0	0	0	0	25.00000		
## 63	1	0	0	1	0	0	32.50000		
## 64	1	0	0	0	0	0	28.20000		
## 66	0	0	0	1	0	0	23.00000		
## 78	0	0	1	0	0	0	24.40000		
## 82	0	0	0	0	0	0	17.33333		

## 84	0	0	0	1	0	0	22.33333
## 85	0	0	0	0	0	0	17.25000
## 86	1	0	0	0	0	0	28.00000
## 104	0	0	0	1	0	0	23.60000
## 106	0	0	0	0	0	0	20.80000
## 111	0	0	0	0	0	0	38.66667
## 114	0	0	1	0	0	0	21.00000
## 115	0	0	0	0	0	0	28.75000
## 117	0	0	0	0	0	0	31.83333
## 130	0	0	0	0	0	0	27.00000
## 133	1	0	0	1	0	0	25.75000
## 135	0	0	0	0	0	0	0.00000
## 138	0	0	0	1	0	0	37.75000
## 143	0	0	1	1	0	0	29.75000
## 145	0	0	0	0	0	0	31.20000
## 152	0	0	0	1	0	0	19.75000
## 153	0	0	1	0	0	1	29.00000
## 165	0	0	0	0	0	0	25.75000
## 173	0	0	0	0	0	0	25.00000
## 178	0	0	0	1	0	0	23.00000
## 182	0	0	1	0	0	0	37.75000
## 187	0	0	0	0	0	0	17.50000
## 189	0	0	0	0	0	0	35.66667
## 191	0	0	0	1	0	0	21.60000
## 192	1	0	1	0	0	0	32.75000
## 197	0	0	0	0	0	0	27.66667
## 201	0	0	0	1	0	0	43.50000
## 207	0	0	0	0	0	0	0.00000
## 208	0	0	0	1	0	0	27.50000
## 213	0	0	1	1	0	0	29.00000
## 219	0	0	1	0	0	0	48.33333
## 221	0	0	0	0	0	0	32.50000
## 235	0	0	1	0	0	0	22.75000
## 237	0	0	0	1	0	0	40.00000
## 240	0	0	0	1	0	0	26.33333
## 244	0	0	0	0	0	0	61.38700
## 245	0	0	0	0	0	0	71.33334
## 247	0	0	0	0	0	0	31.33333
## 253	0	0	0	1	0	0	24.75000
## 260	0	0	1	0	0	0	29.00000
## 263	0	0	1	0	0	0	22.00000
## 271	0	0	0	0	0	0	27.00000
## 274	0	0	1	1	0	0	33.00000
## 284	0	0	0	0	0	0	18.50000
## 288	0	0	1	1	0	0	30.66667
## 289	1	0	1	0	0	1	74.00000
## 294	1	0	1	0	0	0	25.60000
## 296	0	0	0	0	0	0	24.66667
## 297	0	1	0	0	0	0	30.66667
## 298	1	0	0	1	0	0	32.50000
## 300	0	0	0	1	0	0	45.00000
## 301	0	0	0	0	0	0	61.38700
## 304	0	0	0	0	0	0	25.75000
## 307	0	0	0	0	0	0	24.33333

## 316	0	0	0	0	0	0	22.20000
## 317	0	0	1	0	0	0	30.33333
## 320	0	1	0	1	0	0	71.66666
## 321	0	0	1	1	0	0	29.50000
## 326	1	0	0	0	0	0	20.42857
## 330	0	0	0	0	0	0	33.50000
## 333	0	0	0	1	0	0	28.40000
## 334	0	0	1	0	0	0	38.33333
## 337	0	0	1	0	0	0	26.25000
## 338	0	0	0	0	0	0	27.33333
## 348	0	0	0	0	0	0	43.33333
## 353	0	0	0	1	0	0	31.50000
## 354	0	0	0	0	0	0	71.00000
## 355	0	0	1	0	0	0	66.00000
## 356	0	0	0	1	0	0	49.50000
## 359	0	0	0	0	0	0	32.00000
## 364	0	0	0	0	0	0	34.66667
## 369	0	0	1	1	0	0	20.50000
## 378	1	0	0	0	0	0	27.50000
## 381	0	0	0	1	0	0	24.00000
## 386	0	0	1	0	0	0	22.50000
## 388	1	0	1	0	0	0	24.33333
## 392	0	0	0	0	0	0	26.25000
## 394	0	0	0	0	0	0	26.25000
## 396	0	0	0	0	0	0	28.00000
## 404	1	0	0	1	0	0	26.00000
## 406	0	0	1	0	0	0	26.00000
## 408	0	0	0	1	0	0	21.80000
## 411	1	0	1	0	0	0	27.50000
## 422	0	0	0	1	0	0	30.66667
## 423	0	0	0	0	0	0	19.75000
## 426	0	0	1	1	0	0	28.25000
## 452	0	0	0	1	0	0	40.66667
## 454	0	0	0	0	0	0	23.50000
## 456	0	0	0	0	0	0	25.00000
## 458	0	0	1	0	0	0	34.33333
## 468	0	0	0	0	0	0	35.50000
## 469	1	0	0	0	0	0	35.50000
## 472	0	0	0	1	0	0	48.33333
## 479	0	0	1	0	0	0	18.75000
## 485	0	0	0	0	0	0	34.33333
## 488	1	0	0	1	0	0	26.25000
## 490	0	0	1	0	0	0	17.75000
## 495	0	0	0	0	0	0	42.00000
## 498	0	1	0	0	0	0	0.00000
## 501	0	0	1	1	0	0	0.00000
## 502	0	0	1	1	0	0	41.25000
## 506	0	0	1	0	0	0	31.00000
## 515	1	0	0	1	0	0	25.75000
## 517	0	0	0	0	0	0	26.50000
## 525	0	0	0	1	0	0	20.80000
## 526	1	0	1	1	0	1	31.00000
## 533	0	0	0	1	0	0	25.25000
## 556	0	0	1	0	0	0	19.00000

## 561	0	0	1	0	0	0	18.40000
## 571	0	0	1	1	0	0	29.50000
## 572	0	0	0	0	0	0	37.00000
## 582	0	0	0	0	0	0	27.50000
## 592	0	1	0	1	0	0	23.25000
## 598	0	1	0	0	0	0	30.33333
## 600	0	0	0	0	0	0	31.00000
## 607	1	0	0	0	0	0	69.00000
## 612	0	0	0	1	0	0	21.60000
## 622	0	0	0	1	0	0	25.20000
## 627	0	0	1	1	0	0	35.33333
## 630	0	0	0	0	0	0	49.33333
## 635	0	0	0	1	0	0	86.33334
## 640	0	0	0	0	0	0	23.33333
## 642	0	1	0	0	0	0	43.00000
## 644	0	0	0	0	0	0	25.00000
## 645	0	0	0	0	0	0	55.00000
## 649	0	0	0	0	0	0	27.33333
## 657	0	0	0	0	0	0	19.75000
## 662	0	0	0	0	0	0	26.20000
## 664	0	0	1	0	0	0	27.50000
## 667	0	0	1	0	0	0	35.50000
## 669	0	0	1	0	0	1	29.33333
## 670	0	0	0	0	0	0	34.50000
## 679	0	0	0	0	0	0	26.50000
## 683	0	0	0	0	0	0	39.00000
## 687	0	0	0	0	0	0	27.75000
## 688	0	0	1	1	0	0	27.66667
## 691	0	0	0	1	0	0	26.66667
## 694	0	0	1	1	0	0	61.38700
## 696	0	0	0	1	0	0	22.80000
## 710	0	1	0	0	0	0	25.40000
## 712	1	0	1	1	0	0	27.75000
## 714	0	0	0	1	0	0	21.20000
## 717	1	0	0	0	0	0	29.75000
## 719	0	0	0	1	0	0	18.80000
## 722	0	0	0	1	0	0	19.50000
## 725	0	0	0	0	0	0	44.33333
## 729	0	0	0	1	0	0	37.75000
## 733	1	0	0	1	0	0	25.33333
## 740	0	0	1	0	0	0	20.33333
## 743	0	0	0	0	0	0	19.50000
## 746	0	0	1	0	0	0	NA
## 747	1	0	0	1	0	0	23.75000
## 749	0	0	1	0	0	0	24.33333
## 759	0	0	1	0	0	0	30.66667
## 763	0	0	1	0	0	0	30.00000
## 766	0	0	0	1	0	0	41.33333
## 776	0	0	1	0	0	0	55.00000
## 793	0	0	0	0	0	0	0.00000
## 795	0	0	0	1	0	0	89.00000
## 799	0	1	1	1	0	0	NA
## 802	0	0	0	0	0	0	33.00000
## 810	0	0	0	0	0	0	15.33333

## 818	0	0	1	0	0	0	22.66667
## 822	0	0	0	1	0	0	26.25000
## 823	0	0	0	0	0	0	40.66667
## 828	0	0	0	0	0	0	38.75000
## 835	0	0	0	0	0	0	22.33333
## 836	0	0	0	1	0	0	44.00000
## 841	0	0	1	1	0	0	0.00000
## 855	0	0	1	1	0	0	32.00000
## 856	0	0	0	1	0	0	24.00000
## 860	0	0	0	0	0	0	0.00000
## 861	0	1	0	1	0	0	56.50000
## 864	0	0	1	1	0	0	28.50000
## 886	0	0	1	1	0	0	22.40000
## 892	0	0	0	0	0	0	25.00000
## 898	0	0	1	0	0	0	25.33333
##	ctimenumban.1	cardtimenumban.1	cardblood.1	cardcold.1	hotshot.1	aoxcon.1	
## 9	11.333333	3.333333	1	1	0	0	
## 15	18.000000	6.000000	1	0	1	0	
## 22	16.250000	5.000000	1	1	1	0	
## 24	38.656448	10.792350	0	1	0	0	
## 31	18.000000	7.000000	0	1	1	0	
## 32	15.600000	1.600000	1	0	1	1	
## 42	12.000000	8.333333	0	1	1	0	
## 53	12.800000	4.600000	1	0	1	0	
## 61	10.000000	4.500000	1	1	1	0	
## 63	16.750000	7.250000	1	1	0	0	
## 64	16.000000	4.000000	1	1	0	0	
## 66	16.250000	2.750000	1	0	1	1	
## 78	19.799999	2.000000	1	1	1	1	
## 82	7.666666	7.666666	1	1	0	0	
## 84	12.666667	4.666666	1	0	1	0	
## 85	6.500000	3.000000	1	1	1	0	
## 86	15.500000	5.000000	1	0	1	0	
## 104	16.000000	2.800000	1	0	1	1	
## 106	15.600000	2.400000	1	0	0	1	
## 111	31.000000	7.333334	1	0	1	1	
## 114	17.000000	2.000000	1	1	0	0	
## 115	23.750000	4.000000	1	0	1	1	
## 117	21.166666	3.333333	1	0	1	1	
## 130	13.666667	0.000000	1	0	1	0	
## 133	17.500000	5.396175	1	0	1	0	
## 135	0.000000	0.000000	0	0	0	0	
## 138	9.000000	4.250000	1	1	1	0	
## 143	22.500000	7.000000	1	0	1	1	
## 145	20.600000	2.000000	1	0	1	1	
## 152	16.500000	4.250000	1	0	0	1	
## 153	20.250000	2.500000	1	1	1	0	
## 165	18.000000	6.000000	1	0	1	0	
## 173	20.500000	3.750000	1	0	1	1	
## 178	12.000000	5.396175	0	1	0	0	
## 182	31.000000	6.000000	1	0	1	1	
## 187	6.500000	2.750000	1	1	1	0	
## 189	22.000000	7.666666	1	0	1	0	
## 191	14.800000	2.400000	1	0	0	1	

## 192	21.000000	5.000000	1	0	1	0
## 197	15.000000	4.000000	1	0	1	0
## 201	38.500000	3.250000	1	1	1	0
## 207	0.000000	0.000000	1	0	0	0
## 208	20.000000	3.500000	1	0	1	1
## 213	18.400000	6.000000	1	0	1	0
## 219	42.000000	3.333333	1	1	0	0
## 221	22.250000	3.750000	1	1	0	0
## 235	13.000000	5.396175	1	0	1	0
## 237	9.600000	4.316940	1	0	1	0
## 240	14.000000	8.333333	1	1	0	0
## 244	38.656448	0.000000	0	0	0	0
## 245	65.000000	4.000000	1	1	1	0
## 247	21.000000	5.000000	1	0	1	0
## 253	16.250000	3.750000	1	1	0	0
## 260	21.666666	2.666667	1	0	1	1
## 263	18.500000	5.500000	1	0	1	1
## 271	17.000000	2.666667	1	0	1	1
## 274	18.333334	8.333333	1	0	1	0
## 284	13.250000	5.500000	1	1	0	0
## 288	16.333334	5.333334	1	0	1	0
## 289	51.333332	4.000000	1	0	1	1
## 294	14.000000	5.600000	1	1	1	0
## 296	17.000000	3.000000	1	0	1	1
## 297	20.333334	7.666666	1	0	1	0
## 298	14.750000	6.250000	1	0	1	0
## 300	23.000000	21.584700	1	1	0	0
## 301	38.656448	10.792350	0	1	0	0
## 304	13.250000	5.396175	1	0	1	0
## 307	25.770967	7.194900	0	1	0	0
## 316	15.000000	5.000000	1	0	1	0
## 317	25.770967	7.194900	1	1	0	0
## 320	48.333332	7.333334	1	0	1	0
## 321	19.750000	3.000000	1	0	1	1
## 326	17.142857	2.857143	1	0	0	1
## 330	22.500000	4.500000	1	0	1	0
## 333	24.400000	3.000000	1	0	1	1
## 334	24.333334	9.333333	1	0	1	1
## 337	14.500000	5.396175	1	0	1	0
## 338	15.000000	7.194900	1	1	0	0
## 348	29.333334	5.666666	1	0	1	0
## 353	16.750000	5.750000	1	0	1	0
## 354	77.312897	21.584700	0	0	0	0
## 355	33.333332	8.333333	1	0	1	0
## 356	34.500000	11.500000	1	0	1	0
## 359	19.666666	5.333334	1	0	1	0
## 364	25.000000	3.333333	1	1	0	0
## 369	17.500000	2.500000	1	1	1	1
## 378	16.500000	10.792350	1	0	1	0
## 381	18.500000	5.500000	1	0	1	1
## 386	15.500000	6.000000	1	1	1	0
## 388	13.000000	10.000000	1	0	1	0
## 392	16.250000	2.500000	1	1	0	0
## 394	14.500000	5.396175	1	1	1	0

## 396	20.750000	3.000000	1	0	1	1
## 404	14.400000	4.000000	1	0	1	0
## 406	20.750000	6.500000	1	0	1	0
## 408	12.800000	4.000000	1	0	1	0
## 411	22.500000	5.396175	1	0	1	1
## 422	18.333334	7.194900	1	0	1	1
## 423	7.250000	3.000000	1	1	1	0
## 426	17.500000	2.500000	1	1	0	0
## 452	31.000000	7.333334	1	0	1	1
## 454	18.750000	4.275000	1	1	0	0
## 456	20.000000	6.750000	1	0	1	1
## 458	26.333334	6.000000	1	0	1	1
## 468	23.000000	10.000000	1	0	1	0
## 469	19.000000	3.750000	1	0	1	0
## 472	25.000000	7.194900	1	0	0	1
## 479	11.250000	5.396175	1	0	1	0
## 485	22.000000	7.666666	1	0	1	0
## 488	15.000000	3.250000	1	0	1	1
## 490	12.000000	3.500000	1	1	0	0
## 495	26.000000	8.000000	1	0	1	0
## 498	0.000000	0.000000	0	1	0	0
## 501	0.000000	0.000000	0	0	0	0
## 502	13.250000	249.750000	1	0	1	0
## 506	38.656448	10.792350	1	1	1	0
## 515	19.750000	3.500000	1	0	1	1
## 517	18.000000	4.000000	1	0	1	0
## 525	12.400000	4.316940	1	0	1	0
## 526	16.500000	4.000000	1	0	1	0
## 533	19.250000	2.500000	1	1	1	0
## 556	13.200000	2.000000	1	0	0	1
## 561	14.600000	2.800000	1	1	1	0
## 571	23.000000	8.500000	1	0	1	1
## 572	24.333334	8.666667	1	0	1	0
## 582	9.000000	6.500000	1	1	1	0
## 592	18.000000	6.250000	1	0	1	1
## 598	18.000000	8.333333	1	1	0	0
## 600	21.333334	5.666666	1	0	1	0
## 607	22.000000	7.194900	1	0	1	0
## 612	12.000000	3.600000	0	1	0	0
## 622	18.799999	3.219998	1	1	0	0
## 627	21.333334	6.000000	1	0	1	0
## 630	37.000000	3.333333	1	1	0	0
## 635	70.666664	4.000000	1	1	1	0
## 640	13.333333	7.194900	0	1	0	0
## 642	25.000000	8.500000	1	0	1	0
## 644	14.666667	7.666666	1	0	1	0
## 645	27.500000	8.500000	1	0	1	0
## 649	16.000000	10.000000	1	0	1	0
## 657	14.750000	3.250000	1	1	0	0
## 662	14.400000	3.400000	1	1	1	0
## 664	15.000000	3.750000	1	0	1	0
## 667	19.750000	6.250000	1	1	0	0
## 669	21.333334	5.666666	1	0	1	1
## 670	22.750000	5.500000	1	0	0	0

## 679	16.750000	3.750000	1	0	1	0	
## 683	25.000000	11.500000	1	0	1	0	
## 687	14.250000	3.500000	1	0	1	0	
## 688	8.666667	7.000000	1	1	1	0	
## 691	16.666666	6.000000	1	0	1	0	
## 694	38.656448	10.792350	0	1	0	0	
## 696	16.600000	1.800000	1	0	1	1	
## 710	15.600000	3.600000	1	0	1	0	
## 712	15.250000	5.396175	1	0	1	0	
## 714	14.600000	4.800000	1	0	1	1	
## 717	20.000000	3.000000	1	0	1	1	
## 719	24.000000	2.400000	1	0	1	1	
## 722	14.333333	1.666667	1	1	0	0	
## 725	16.333334	5.000000	1	1	1	0	
## 729	24.000000	2.750000	1	0	1	1	
## 733	20.666666	5.000000	1	0	1	1	
## 740	17.000000	3.333333	1	0	0	1	
## 743	11.750000	5.396175	1	0	1	0	
## 746	NA	NA	0	1	0	0	
## 747	16.750000	3.250000	1	0	1	1	
## 749	17.000000	3.333333	1	1	0	0	
## 759	23.000000	3.333333	1	1	1	1	
## 763	15.200000	4.400000	1	0	1	0	
## 766	26.666666	8.666667	1	0	1	1	
## 776	22.000000	7.750000	1	1	0	0	
## 793	0.000000	0.000000	0	0	0	0	
## 795	24.000000	20.000000	1	0	0	0	
## 799	NA	NA	0	1	0	0	
## 802	20.333334	11.000000	1	0	1	0	
## 810	6.000000	4.666666	1	1	1	0	
## 818	16.000000	4.700000	1	1	0	0	
## 822	14.750000	5.396175	1	0	1	0	
## 823	31.333334	3.333333	1	1	0	0	
## 828	19.250000	3.000000	1	0	1	1	
## 835	15.333333	1.333333	1	1	0	0	
## 836	32.000000	6.000000	1	0	1	0	
## 841	0.000000	0.000000	0	0	0	0	
## 855	23.000000	3.500000	1	1	0	0	
## 856	16.666666	2.333333	1	0	1	1	
## 860	0.000000	0.000000	0	0	0	0	
## 861	40.000000	2.500000	1	1	0	0	
## 864	16.500000	5.000000	1	0	1	0	
## 886	14.000000	4.600000	1	0	1	0	
## 892	14.000000	10.000000	1	1	1	0	
## 898	19.333334	4.666666	1	1	0	0	
##	ultrafilyn.1	cabg.1	valve.1	cabgvalve.1	gfr60pre.1	male.1	notcoldcard.1
## 9	1	1	0	0	0	1	0
## 15	0	1	0	0	0	1	1
## 22	0	1	0	0	0	1	0
## 24	0	1	0	0	0	1	0
## 31	0	1	0	0	0	1	0
## 32	0	1	0	0	0	1	1
## 42	0	1	0	0	0	1	0
## 53	0	1	0	0	0	1	1

## 61	0	1	0	0	0	1	0
## 63	0	1	0	0	0	1	0
## 64	0	1	0	0	0	1	0
## 66	1	1	0	0	0	1	1
## 78	0	1	0	0	0	1	0
## 82	0	1	0	0	0	1	0
## 84	0	1	0	0	0	1	1
## 85	1	1	0	0	0	1	0
## 86	0	1	0	0	0	1	1
## 104	0	1	0	0	1	1	1
## 106	0	1	0	0	0	1	1
## 111	0	1	0	0	0	1	1
## 114	0	1	0	0	0	1	0
## 115	0	1	0	0	0	1	1
## 117	0	1	0	0	0	1	1
## 130	0	1	0	0	0	1	1
## 133	0	1	0	0	1	1	1
## 135	0	1	0	0	0	1	1
## 138	1	1	0	0	1	1	0
## 143	0	1	0	0	1	1	1
## 145	0	1	0	0	0	1	1
## 152	0	1	0	0	0	1	1
## 153	0	1	0	0	1	1	0
## 165	0	1	0	0	0	1	1
## 173	0	1	0	0	0	1	1
## 178	0	1	0	0	0	1	0
## 182	0	1	0	0	0	1	1
## 187	0	1	0	0	0	1	0
## 189	0	1	0	0	1	1	1
## 191	0	1	0	0	0	1	1
## 192	0	1	0	0	0	1	1
## 197	0	1	0	0	0	1	1
## 201	1	1	0	0	0	1	0
## 207	0	1	0	0	0	1	1
## 208	0	1	0	0	1	1	1
## 213	0	1	0	0	0	1	1
## 219	0	1	0	0	0	1	0
## 221	0	1	0	0	0	1	0
## 235	0	1	0	0	0	1	1
## 237	1	0	0	1	0	1	1
## 240	0	1	0	0	0	1	0
## 244	0	1	0	0	0	1	1
## 245	1	0	0	1	0	1	0
## 247	0	1	0	0	0	1	1
## 253	0	1	0	0	0	1	0
## 260	0	1	0	0	0	1	1
## 263	0	1	0	0	0	1	1
## 271	0	1	0	0	0	1	1
## 274	0	1	0	0	0	1	1
## 284	0	1	0	0	0	1	0
## 288	0	1	0	0	0	1	1
## 289	1	1	0	0	0	1	1
## 294	0	1	0	0	0	1	0
## 296	0	1	0	0	0	1	1

## 297	0	1	0	0	0	1	1
## 298	0	1	0	0	1	1	1
## 300	0	1	0	0	0	1	0
## 301	0	1	0	0	0	1	0
## 304	0	1	0	0	0	1	1
## 307	0	1	0	0	0	1	0
## 316	0	1	0	0	0	1	1
## 317	0	1	0	0	0	1	0
## 320	0	0	0	1	1	1	1
## 321	1	1	0	0	1	1	1
## 326	0	1	0	0	0	1	1
## 330	0	1	0	0	0	1	1
## 333	0	1	0	0	0	1	1
## 334	0	1	0	0	0	1	1
## 337	0	1	0	0	0	1	1
## 338	0	1	0	0	0	1	0
## 348	0	1	0	0	0	1	1
## 353	0	1	0	0	1	1	1
## 354	0	1	0	0	1	1	1
## 355	0	1	0	0	0	1	1
## 356	0	1	0	0	1	1	1
## 359	0	1	0	0	0	1	1
## 364	0	1	0	0	1	1	0
## 369	0	1	0	0	0	1	0
## 378	0	1	0	0	0	1	1
## 381	0	1	0	0	0	1	1
## 386	0	1	0	0	1	1	0
## 388	0	1	0	0	0	1	1
## 392	0	1	0	0	1	1	0
## 394	0	1	0	0	0	1	0
## 396	0	1	0	0	0	1	1
## 404	0	1	0	0	0	1	1
## 406	0	1	0	0	0	1	1
## 408	0	1	0	0	1	1	1
## 411	0	1	0	0	0	1	1
## 422	0	1	0	0	0	1	1
## 423	0	1	0	0	0	1	0
## 426	0	1	0	0	1	1	0
## 452	0	1	0	0	0	1	1
## 454	0	1	0	0	0	1	0
## 456	0	1	0	0	0	1	1
## 458	0	1	0	0	0	1	1
## 468	0	1	0	0	1	1	1
## 469	0	1	0	0	0	1	1
## 472	0	1	0	0	0	1	1
## 479	0	1	0	0	1	1	1
## 485	0	1	0	0	0	1	1
## 488	0	1	0	0	0	1	1
## 490	0	1	0	0	0	1	0
## 495	0	1	0	0	0	1	1
## 498	0	1	0	0	0	1	0
## 501	0	1	0	0	1	1	1
## 502	1	0	0	1	0	1	1
## 506	0	1	0	0	0	1	0

## 515	1	1	0	0	0	1	1
## 517	0	1	0	0	0	1	1
## 525	0	1	0	0	0	1	1
## 526	1	1	0	0	1	1	1
## 533	1	1	0	0	0	1	0
## 556	0	1	0	0	0	1	1
## 561	1	1	0	0	0	1	0
## 571	0	1	0	0	0	1	1
## 572	0	1	0	0	0	1	1
## 582	0	1	0	0	0	1	0
## 592	0	1	0	0	0	1	1
## 598	0	1	0	0	0	1	0
## 600	0	1	0	0	0	1	1
## 607	0	0	0	1	0	1	1
## 612	1	1	0	0	1	1	0
## 622	0	1	0	0	1	1	0
## 627	0	1	0	0	1	1	1
## 630	1	0	0	1	0	1	0
## 635	1	1	0	0	1	1	0
## 640	0	1	0	0	0	1	0
## 642	0	1	0	0	1	1	1
## 644	0	1	0	0	0	1	1
## 645	0	1	0	0	0	1	1
## 649	0	1	0	0	0	1	1
## 657	0	1	0	0	0	1	0
## 662	0	1	0	0	0	1	0
## 664	0	1	0	0	0	1	1
## 667	0	1	0	0	1	1	0
## 669	0	1	0	0	1	1	1
## 670	0	0	0	1	0	1	1
## 679	0	1	0	0	0	1	1
## 683	0	1	0	0	0	1	1
## 687	0	1	0	0	0	1	1
## 688	0	1	0	0	0	1	0
## 691	0	1	0	0	0	1	1
## 694	0	1	0	0	1	1	0
## 696	0	1	0	0	1	1	1
## 710	0	1	0	0	0	1	1
## 712	0	1	0	0	1	1	1
## 714	0	1	0	0	0	1	1
## 717	0	1	0	0	0	1	1
## 719	0	1	0	0	0	1	1
## 722	0	1	0	0	1	1	0
## 725	0	1	0	0	0	1	0
## 729	0	1	0	0	0	1	1
## 733	0	1	0	0	0	1	1
## 740	0	1	0	0	1	1	1
## 743	0	1	0	0	1	1	1
## 746	1	0	1	0	0	1	0
## 747	0	1	0	0	0	1	1
## 749	0	1	0	0	0	1	0
## 759	1	1	0	0	0	1	0
## 763	0	1	0	0	1	1	1
## 766	1	1	0	0	1	1	1

## 776	0	1	0	0	0	1	0
## 793	0	1	0	0	0	1	1
## 795	0	1	0	0	0	1	1
## 799	0	1	0	0	0	1	0
## 802	0	1	0	0	0	1	1
## 810	0	1	0	0	0	1	0
## 818	0	1	0	0	0	1	0
## 822	0	1	0	0	0	1	1
## 823	0	1	0	0	0	1	0
## 828	0	1	0	0	0	1	1
## 835	1	1	0	0	1	1	0
## 836	0	1	0	0	1	1	1
## 841	0	1	0	0	0	1	1
## 855	0	1	0	0	0	1	0
## 856	0	1	0	0	0	1	1
## 860	0	1	0	0	1	1	1
## 861	1	0	0	1	0	1	0
## 864	0	1	0	0	1	1	1
## 886	0	1	0	0	0	1	1
## 892	0	1	0	0	0	1	0
## 898	0	1	0	0	0	1	0
##	fluidprel.1	ptime120.1	heptotl.1	heptot5.1	tcys0.1	cyspre3cat.1	
## 9	1.50000	0	6.3000	0	2	2	
## 15	1.00000	0	46.4000	0	1	1	
## 22	0.80000	0	30.0000	0	1	1	
## 24	0.00000	1	49.3599	0	NA	NA	
## 31	1.25000	0	47.6000	0	NA	NA	
## 32	0.00000	0	56.0000	1	1	1	
## 42	1.20000	1	56.0000	1	3	3	
## 53	0.90000	0	64.4000	1	2	1	
## 61	1.50000	0	5.0000	0	3	3	
## 63	0.80000	1	45.0000	0	3	3	
## 64	0.00000	1	55.0000	1	NA	NA	
## 66	1.60000	0	20.0000	0	1	1	
## 78	0.70000	1	35.0000	0	1	1	
## 82	0.00000	0	31.0000	0	1	1	
## 84	1.60000	0	31.0000	0	2	2	
## 85	0.80000	0	5.0000	0	1	1	
## 86	1.40000	0	55.6000	1	1	1	
## 104	1.60000	0	48.0000	0	3	3	
## 106	0.00276	0	45.0000	0	1	1	
## 111	0.90000	0	41.0000	0	2	2	
## 114	1.82500	0	40.0000	0	2	2	
## 115	1.40000	0	37.0000	0	3	3	
## 117	2.00000	1	60.0000	1	2	2	
## 130	0.00000	0	49.3599	0	1	1	
## 133	1.50000	0	4.0000	0	2	2	
## 135	0.00000	0	49.3599	0	3	3	
## 138	1.00000	1	48.0000	0	3	3	
## 143	1.00000	0	48.9000	0	2	2	
## 145	1.30000	1	45.0000	0	2	2	
## 152	1.00000	0	46.0000	0	1	1	
## 153	1.13000	0	35.0000	0	1	1	
## 165	1.20000	0	49.1000	0	2	2	

## 173	1.00000	0	41.0000	0	1	1
## 178	0.00000	0	49.3599	0	1	1
## 182	1.98000	1	55.6000	1	1	1
## 187	1.00000	0	49.0000	0	2	2
## 189	0.80000	0	37.0000	0	2	2
## 191	1.00000	0	50.0000	1	1	1
## 192	1.25000	1	52.8000	1	2	2
## 197	1.20000	0	35.0000	0	1	1
## 201	0.00000	1	63.0000	1	3	3
## 207	0.00000	0	10.0000	0	2	2
## 208	1.00000	0	26.0000	0	2	2
## 213	1.40000	1	54.4000	1	2	2
## 219	1.30000	1	35.0000	0	2	2
## 221	1.00000	1	40.0000	0	NA	NA
## 235	1.50000	0	47.4000	0	2	2
## 237	1.60000	1	69.0000	1	2	2
## 240	1.20000	0	32.0000	0	2	2
## 244	0.00000	1	33.0000	0	2	2
## 245	1.10000	1	66.0000	1	NA	NA
## 247	0.00000	0	58.0000	1	2	2
## 253	0.80000	0	47.0000	0	NA	NA
## 260	0.95000	0	36.0000	0	2	2
## 263	2.00000	1	54.9000	1	2	2
## 271	2.50000	0	30.0000	0	1	1
## 274	0.00000	0	40.0000	0	2	2
## 284	1.30000	0	29.0000	0	2	2
## 288	1.20000	0	35.0000	0	1	1
## 289	2.00000	1	11.6000	0	2	2
## 294	2.20000	1	56.4000	1	1	1
## 296	1.20000	0	35.0000	0	2	2
## 297	1.50000	0	79.0000	1	1	1
## 298	1.20000	1	65.0000	1	3	3
## 300	1.00000	0	43.0000	0	1	1
## 301	0.00000	1	49.3599	0	1	1
## 304	1.20000	0	43.0000	0	3	3
## 307	1.30000	0	39.2000	0	1	1
## 316	1.00000	0	62.3000	1	2	2
## 317	0.70000	0	37.6000	0	3	3
## 320	1.40000	1	71.0000	1	3	3
## 321	2.00000	0	3.0000	0	3	3
## 326	1.60000	1	62.0000	1	2	2
## 330	0.30000	1	50.0000	1	2	2
## 333	1.00000	1	38.0000	0	3	3
## 334	0.60000	0	41.2000	0	1	1
## 337	0.00000	0	49.3599	0	2	2
## 338	0.00000	0	49.3599	0	2	2
## 348	0.90000	1	38.0000	0	2	2
## 353	0.80000	1	52.8000	1	3	3
## 354	1.40000	0	46.0000	0	3	3
## 355	1.80000	1	45.5000	0	3	3
## 356	0.50000	0	36.0000	0	3	3
## 359	0.30000	0	36.0000	0	3	3
## 364	1.30000	0	42.0000	0	NA	NA
## 369	0.20000	0	34.0000	0	2	2

## 378	0.00000	0	49.3599	0	3	3
## 381	1.30000	0	32.0000	0	2	2
## 386	1.00000	0	33.0000	0	3	3
## 388	1.50000	0	35.0000	0	2	2
## 392	0.70000	0	35.0000	0	NA	NA
## 394	1.80000	0	47.0000	0	3	2
## 396	0.00000	0	2.9000	0	1	1
## 404	1.20000	1	55.8000	1	2	2
## 406	0.90000	0	50.6000	1	1	1
## 408	0.90000	0	48.0000	0	3	3
## 411	0.30000	0	59.0000	1	1	1
## 422	1.00000	0	35.0000	0	3	3
## 423	0.25000	0	45.0000	0	3	3
## 426	1.00000	0	48.0000	0	1	1
## 452	0.90000	1	46.0000	0	NA	NA
## 454	0.60000	0	37.0000	0	1	1
## 456	1.15000	0	42.0000	0	1	1
## 458	1.20000	0	48.0000	0	2	2
## 468	1.00000	0	22.0000	0	2	2
## 469	1.20000	1	42.0000	0	1	1
## 472	1.00000	1	50.0000	1	2	2
## 479	1.90000	0	49.8000	0	1	1
## 485	0.90000	0	40.0000	0	1	1
## 488	1.20000	0	50.0000	1	1	1
## 490	0.60000	0	35.0000	0	1	1
## 495	0.90000	0	32.0000	0	1	1
## 498	0.00000	0	49.3599	0	1	1
## 501	0.00000	0	49.3599	0	3	3
## 502	2.26000	1	55.2000	1	2	2
## 506	1.40000	0	48.2000	0	1	1
## 515	1.10000	0	89.0000	1	2	2
## 517	0.30000	0	45.0000	0	2	2
## 525	2.00000	0	53.6000	1	1	1
## 526	0.90000	1	49.9000	0	3	3
## 533	1.41000	0	38.0000	0	2	2
## 556	1.50000	0	56.0000	1	3	3
## 561	0.70000	0	45.0000	0	1	1
## 571	1.00000	0	55.0000	1	2	2
## 572	0.50000	0	43.0000	0	1	1
## 582	0.30000	0	45.0000	0	2	2
## 592	1.50000	0	63.0000	1	3	3
## 598	1.20000	0	50.0000	1	2	2
## 600	0.70000	0	34.0000	0	1	1
## 607	2.00000	1	96.0000	1	3	3
## 612	0.80000	0	3.5000	0	3	3
## 622	0.50000	1	35.0000	0	1	1
## 627	1.60000	0	43.8000	0	3	3
## 630	1.80000	1	48.0000	0	3	3
## 635	1.10000	1	33.0000	0	3	3
## 640	0.00000	0	49.3599	0	2	2
## 642	1.40000	0	75.0000	1	NA	NA
## 644	1.07000	0	53.6000	1	1	1
## 645	0.80000	0	47.5000	0	1	1
## 649	1.20000	0	29.0000	0	1	1

## 657	1.75000	0	36.0000	0	2	2
## 662	1.20000	1	37.0000	0	1	1
## 664	1.50000	0	40.0000	0	1	1
## 667	1.20000	1	5.3000	0	3	3
## 669	1.50000	1	45.9000	0	2	2
## 670	1.50000	1	38.0000	0	NA	NA
## 679	0.50000	0	48.0000	0	2	2
## 683	1.00000	0	38.0000	0	1	1
## 687	2.20000	0	2.3000	0	2	2
## 688	0.30000	0	4.4000	0	2	2
## 691	0.60000	0	47.0000	0	3	3
## 694	0.00000	1	49.3599	0	3	3
## 696	2.00000	0	37.0000	0	3	3
## 710	1.20000	1	63.2000	1	1	1
## 712	1.40000	0	53.9000	1	3	3
## 714	1.00000	0	36.0000	0	3	3
## 717	1.00000	0	76.0000	1	3	3
## 719	1.10000	0	77.0000	1	2	2
## 722	1.00000	0	37.0000	0	NA	NA
## 725	0.50000	1	53.0000	1	2	2
## 729	1.30000	1	92.0000	1	2	2
## 733	0.70000	0	62.0000	1	2	2
## 740	1.65000	0	46.0000	0	3	3
## 743	0.00000	0	49.3599	0	3	3
## 746	1.90000	0	2.6000	0	NA	NA
## 747	2.00000	0	40.0000	0	2	2
## 749	1.30000	0	40.0000	0	2	2
## 759	0.40000	0	44.5000	0	1	1
## 763	1.52500	1	44.2000	0	3	3
## 766	1.50000	1	52.0000	1	3	3
## 776	1.40000	1	45.6000	0	2	2
## 793	0.00000	0	49.3599	0	1	1
## 795	0.00000	0	32.0000	0	3	2
## 799	0.00000	1	49.3599	0	3	3
## 802	0.00000	0	34.0000	0	3	3
## 810	0.80000	0	40.0000	0	2	2
## 818	0.80000	0	47.0000	0	1	1
## 822	1.80000	0	56.0000	1	1	1
## 823	0.80000	1	56.0000	1	NA	NA
## 828	1.20000	1	55.0000	1	1	1
## 835	0.70000	0	35.0000	0	3	3
## 836	0.80000	1	40.0000	0	3	3
## 841	0.00000	0	49.3599	0	NA	NA
## 855	0.50000	1	40.0000	0	NA	NA
## 856	0.50000	0	43.0000	0	3	3
## 860	0.00000	0	49.3599	0	3	3
## 861	1.40000	1	70.0000	1	1	1
## 864	1.00000	0	48.6000	0	3	3
## 886	0.60000	0	53.0000	1	1	1
## 892	0.00000	0	2.6000	0	2	2
## 898	1.75000	0	40.0000	0	1	1
##	i_cyspre3cat1.1	i_cyspre3cat2.1	i_cyspre3cat3.1	logcys0.1	tcys1.1	
## 9	0	1		0 -0.238723040	NA	
## 15	1	0		0 -0.357086450	3	

## 22	1	0	0 -0.578189490	2
## 24	NA	NA	NA NA	NA
## 31	NA	NA	NA NA	2
## 32	1	0	0 -0.424519510	2
## 42	0	0	1 -0.063501194	3
## 53	1	0	0 -0.328741610	2
## 61	0	0	1 -0.028385071	NA
## 63	0	0	1 0.126183210	3
## 64	NA	NA	NA NA	3
## 66	1	0	0 -0.460985210	2
## 78	1	0	0 -0.421167760	1
## 82	1	0	0 -0.346191530	2
## 84	0	1	0 -0.129422130	NA
## 85	1	0	0 -0.414213270	2
## 86	1	0	0 -0.370127890	3
## 104	0	0	1 0.317631570	3
## 106	1	0	0 -0.407194110	1
## 111	0	1	0 -0.181418760	1
## 114	0	1	0 -0.120458360	2
## 115	0	0	1 -0.087640665	2
## 117	0	1	0 -0.125919300	2
## 130	1	0	0 -0.394419820	1
## 133	0	1	0 -0.162391890	2
## 135	0	0	1 0.014356451	2
## 138	0	0	1 0.415415440	3
## 143	0	1	0 -0.228944090	2
## 145	0	1	0 -0.220136820	1
## 152	1	0	0 -0.550303040	1
## 153	1	0	0 -0.330867980	NA
## 165	0	1	0 -0.112482480	2
## 173	1	0	0 -0.518389170	1
## 178	1	0	0 -0.782041790	1
## 182	1	0	0 -0.528855500	2
## 187	0	1	0 -0.266001460	2
## 189	0	1	0 -0.182545190	2
## 191	1	0	0 -0.396244730	1
## 192	0	1	0 -0.149264800	2
## 197	1	0	0 -0.554051520	NA
## 201	0	0	1 0.160237830	3
## 207	0	1	0 -0.290358990	2
## 208	0	1	0 -0.114363140	1
## 213	0	1	0 -0.145716190	1
## 219	0	1	0 -0.299621050	NA
## 221	NA	NA	NA NA	1
## 235	0	1	0 -0.125757110	NA
## 237	0	1	0 -0.153280560	NA
## 240	0	1	0 -0.290431170	NA
## 244	0	1	0 -0.171814950	2
## 245	NA	NA	NA NA	1
## 247	0	1	0 -0.232935090	1
## 253	NA	NA	NA NA	2
## 260	0	1	0 -0.312416110	1
## 263	0	1	0 -0.305456430	2
## 271	1	0	0 -0.537068670	NA

## 274	0	1	0 -0.211373090	NA
## 284	0	1	0 -0.318640380	2
## 288	1	0	0 -0.496068390	1
## 289	0	1	0 -0.279360800	2
## 294	1	0	0 -0.519128320	1
## 296	0	1	0 -0.136132490	2
## 297	1	0	0 -0.422942970	1
## 298	0	0	1 0.149936090	NA
## 300	1	0	0 -0.339108710	NA
## 301	1	0	0 -0.350918680	2
## 304	0	0	1 0.256454530	NA
## 307	1	0	0 -0.469725280	2
## 316	0	1	0 -0.217810300	3
## 317	0	0	1 -0.017212285	NA
## 320	0	0	1 0.647767960	3
## 321	0	0	1 0.609901430	3
## 326	0	1	0 -0.159955160	3
## 330	0	1	0 -0.188323130	NA
## 333	0	0	1 0.040152971	3
## 334	1	0	0 -0.367980030	3
## 337	0	1	0 -0.228878720	2
## 338	0	1	0 -0.291352810	NA
## 348	0	1	0 -0.291841390	1
## 353	0	0	1 0.141794650	3
## 354	0	0	1 0.092396848	3
## 355	0	0	1 0.091110468	NA
## 356	0	0	1 0.414801390	3
## 359	0	0	1 0.039461069	NA
## 364	NA	NA	NA NA	2
## 369	0	1	0 -0.207278820	1
## 378	0	0	1 0.073557109	2
## 381	0	1	0 -0.272072520	2
## 386	0	0	1 -0.048507705	2
## 388	0	1	0 -0.276386110	NA
## 392	NA	NA	NA NA	1
## 394	0	1	0 -0.107908200	NA
## 396	1	0	0 -0.418240370	2
## 404	0	1	0 -0.159718160	3
## 406	1	0	0 -0.411434380	1
## 408	0	0	1 -0.101004460	3
## 411	1	0	0 -0.381729040	2
## 422	0	0	1 0.104414070	3
## 423	0	0	1 0.021458119	NA
## 426	1	0	0 -0.482430930	3
## 452	NA	NA	NA NA	NA
## 454	1	0	0 -0.908411860	1
## 456	1	0	0 -0.554815830	1
## 458	0	1	0 -0.214353550	2
## 468	0	1	0 -0.191779350	1
## 469	1	0	0 -0.597180840	1
## 472	0	1	0 -0.230843110	2
## 479	1	0	0 -0.353249400	NA
## 485	1	0	0 -0.348699690	1
## 488	1	0	0 -0.406184880	3

## 490	1	0	0 -0.493622780	NA
## 495	1	0	0 -0.339075030	1
## 498	1	0	0 -0.512964550	NA
## 501	0	0	1 -0.039766300	2
## 502	0	1	0 -0.155671830	3
## 506	1	0	0 -0.348684100	2
## 515	0	1	0 -0.177599130	3
## 517	0	1	0 -0.320698500	1
## 525	1	0	0 -0.403218630	2
## 526	0	0	1 1.441466500	3
## 533	0	1	0 -0.111904100	3
## 556	0	0	1 -0.049297392	3
## 561	1	0	0 -0.407814860	NA
## 571	0	1	0 -0.285787880	NA
## 572	1	0	0 -0.700119440	1
## 582	0	1	0 -0.186129600	3
## 592	0	0	1 0.201813680	3
## 598	0	1	0 -0.291811910	NA
## 600	1	0	0 -0.343665660	1
## 607	0	0	1 -0.080600694	3
## 612	0	0	1 0.126192020	2
## 622	1	0	0 -0.741577210	NA
## 627	0	0	1 0.029121814	3
## 630	0	0	1 0.085645445	NA
## 635	0	0	1 0.015666636	3
## 640	0	1	0 -0.304786180	NA
## 642	NA	NA	NA NA	3
## 644	1	0	0 -0.345469390	2
## 645	1	0	0 -0.531166080	1
## 649	1	0	0 -0.565413830	1
## 657	0	1	0 -0.264100970	1
## 662	1	0	0 -0.417282160	2
## 664	1	0	0 -0.375703420	2
## 667	0	0	1 0.028577739	3
## 669	0	1	0 -0.118335440	3
## 670	NA	NA	NA NA	3
## 679	0	1	0 -0.303241160	1
## 683	1	0	0 -0.532919590	1
## 687	0	1	0 -0.250336200	2
## 688	0	1	0 -0.147938680	NA
## 691	0	0	1 0.010623371	2
## 694	0	0	1 0.875793700	3
## 696	0	0	1 0.255564270	3
## 710	1	0	0 -0.420059080	1
## 712	0	0	1 0.440787200	3
## 714	0	0	1 0.263609650	3
## 717	0	0	1 0.085461840	3
## 719	0	1	0 -0.240479200	1
## 722	NA	NA	NA NA	NA
## 725	0	1	0 -0.266284640	NA
## 729	0	1	0 -0.187255310	2
## 733	0	1	0 -0.111768780	2
## 740	0	0	1 -0.052810233	2
## 743	0	0	1 -0.021991041	3

## 746	NA	NA	NA	NA	2
## 747	0	1	0	-0.305142970	1
## 749	0	1	0	-0.242794110	2
## 759	1	0	0	-0.345517430	NA
## 763	0	0	1	0.333109440	3
## 766	0	0	1	0.331093520	3
## 776	0	1	0	-0.112512700	2
## 793	1	0	0	-0.369192960	NA
## 795	0	1	0	-0.109220180	NA
## 799	0	0	1	0.001149339	3
## 802	0	0	1	0.008017772	NA
## 810	0	1	0	-0.307943280	NA
## 818	1	0	0	-0.557995860	1
## 822	1	0	0	-0.350478470	2
## 823	NA	NA	NA	NA	1
## 828	1	0	0	-0.430281490	1
## 835	0	0	1	0.045842968	3
## 836	0	0	1	0.165878770	NA
## 841	NA	NA	NA	NA	3
## 855	NA	NA	NA	NA	3
## 856	0	0	1	0.236422990	NA
## 860	0	0	1	0.041401029	2
## 861	1	0	0	-0.680414560	NA
## 864	0	0	1	0.062430050	3
## 886	1	0	0	-0.331671570	2
## 892	0	1	0	-0.259400460	NA
## 898	1	0	0	-0.470735100	1
##	cyspost3cat.1	i_cyspost3cat1.1	i_cyspost3cat2.1	i_cyspost3cat3.1	
## 9	NA	NA	NA	NA	
## 15	3	0	0	1	
## 22	2	0	1	0	
## 24	NA	NA	NA	NA	
## 31	2	0	1	0	
## 32	2	0	1	0	
## 42	3	0	0	1	
## 53	2	0	1	0	
## 61	NA	NA	NA	NA	
## 63	3	0	0	1	
## 64	3	0	0	1	
## 66	2	0	1	0	
## 78	1	1	0	0	
## 82	2	0	1	0	
## 84	NA	NA	NA	NA	
## 85	2	0	1	0	
## 86	3	0	0	1	
## 104	3	0	0	1	
## 106	1	1	0	0	
## 111	1	1	0	0	
## 114	2	0	1	0	
## 115	2	0	1	0	
## 117	2	0	1	0	
## 130	1	1	0	0	
## 133	2	0	1	0	
## 135	2	0	1	0	

## 138	3	0	0	1
## 143	2	0	1	0
## 145	1	1	0	0
## 152	1	1	0	0
## 153	NA	NA	NA	NA
## 165	2	0	1	0
## 173	1	1	0	0
## 178	1	1	0	0
## 182	2	0	1	0
## 187	2	0	1	0
## 189	2	0	1	0
## 191	1	1	0	0
## 192	2	0	1	0
## 197	NA	NA	NA	NA
## 201	3	0	0	1
## 207	2	0	1	0
## 208	1	1	0	0
## 213	1	1	0	0
## 219	NA	NA	NA	NA
## 221	1	1	0	0
## 235	NA	NA	NA	NA
## 237	NA	NA	NA	NA
## 240	NA	NA	NA	NA
## 244	2	0	1	0
## 245	1	1	0	0
## 247	1	1	0	0
## 253	2	0	1	0
## 260	1	1	0	0
## 263	2	0	1	0
## 271	NA	NA	NA	NA
## 274	NA	NA	NA	NA
## 284	2	0	1	0
## 288	1	1	0	0
## 289	2	0	1	0
## 294	1	1	0	0
## 296	2	0	1	0
## 297	1	1	0	0
## 298	NA	NA	NA	NA
## 300	NA	NA	NA	NA
## 301	2	0	1	0
## 304	NA	NA	NA	NA
## 307	2	0	1	0
## 316	3	0	0	1
## 317	NA	NA	NA	NA
## 320	3	0	0	1
## 321	3	0	0	1
## 326	3	0	0	1
## 330	NA	NA	NA	NA
## 333	3	0	0	1
## 334	3	0	0	1
## 337	2	0	1	0
## 338	NA	NA	NA	NA
## 348	1	1	0	0
## 353	3	0	0	1

## 354	3	0	0	1
## 355	NA	NA	NA	NA
## 356	3	0	0	1
## 359	NA	NA	NA	NA
## 364	2	0	1	0
## 369	1	1	0	0
## 378	2	0	1	0
## 381	2	0	1	0
## 386	2	0	1	0
## 388	NA	NA	NA	NA
## 392	1	1	0	0
## 394	NA	NA	NA	NA
## 396	2	0	1	0
## 404	3	0	0	1
## 406	1	1	0	0
## 408	3	0	0	1
## 411	2	0	1	0
## 422	3	0	0	1
## 423	NA	NA	NA	NA
## 426	3	0	0	1
## 452	NA	NA	NA	NA
## 454	1	1	0	0
## 456	1	1	0	0
## 458	2	0	1	0
## 468	1	1	0	0
## 469	1	1	0	0
## 472	2	0	1	0
## 479	NA	NA	NA	NA
## 485	1	1	0	0
## 488	2	0	1	0
## 490	NA	NA	NA	NA
## 495	1	1	0	0
## 498	NA	NA	NA	NA
## 501	2	0	1	0
## 502	3	0	0	1
## 506	2	0	1	0
## 515	3	0	0	1
## 517	1	1	0	0
## 525	1	1	0	0
## 526	3	0	0	1
## 533	3	0	0	1
## 556	3	0	0	1
## 561	NA	NA	NA	NA
## 571	NA	NA	NA	NA
## 572	1	1	0	0
## 582	2	0	1	0
## 592	3	0	0	1
## 598	NA	NA	NA	NA
## 600	1	1	0	0
## 607	3	0	0	1
## 612	2	0	1	0
## 622	NA	NA	NA	NA
## 627	3	0	0	1
## 630	NA	NA	NA	NA

## 635	3	0	0	1
## 640	NA	NA	NA	NA
## 642	3	0	0	1
## 644	2	0	1	0
## 645	1	1	0	0
## 649	1	1	0	0
## 657	1	1	0	0
## 662	2	0	1	0
## 664	2	0	1	0
## 667	3	0	0	1
## 669	3	0	0	1
## 670	3	0	0	1
## 679	1	1	0	0
## 683	1	1	0	0
## 687	2	0	1	0
## 688	NA	NA	NA	NA
## 691	2	0	1	0
## 694	3	0	0	1
## 696	3	0	0	1
## 710	1	1	0	0
## 712	3	0	0	1
## 714	3	0	0	1
## 717	3	0	0	1
## 719	1	1	0	0
## 722	NA	NA	NA	NA
## 725	NA	NA	NA	NA
## 729	2	0	1	0
## 733	2	0	1	0
## 740	2	0	1	0
## 743	3	0	0	1
## 746	2	0	1	0
## 747	1	1	0	0
## 749	2	0	1	0
## 759	NA	NA	NA	NA
## 763	3	0	0	1
## 766	3	0	0	1
## 776	2	0	1	0
## 793	NA	NA	NA	NA
## 795	NA	NA	NA	NA
## 799	3	0	0	1
## 802	NA	NA	NA	NA
## 810	NA	NA	NA	NA
## 818	1	1	0	0
## 822	2	0	1	0
## 823	1	1	0	0
## 828	1	1	0	0
## 835	3	0	0	1
## 836	NA	NA	NA	NA
## 841	3	0	0	1
## 855	3	0	0	1
## 856	NA	NA	NA	NA
## 860	2	0	1	0
## 861	NA	NA	NA	NA
## 864	3	0	0	1

## 886	2		0	1	0
## 892	NA		NA	NA	NA
## 898	1		1	0	0
##	logcys1.1	cysdiff.1	tcysdiff.1	cysdiff3cat.1	i_cysdiff3cat1.1
## 9	NA	NA	NA	NA	NA
## 15	0.055094063	0.356928	3	3	0
## 22	-0.264688460	0.206532	3	3	0
## 24	NA	NA	NA	NA	NA
## 31	-0.131396530	NA	NA	NA	NA
## 32	-0.227829520	0.142176	2	2	0
## 42	0.340492730	0.467167	3	3	0
## 53	-0.130031240	0.158239	3	3	0
## 61	NA	NA	NA	NA	NA
## 63	0.419696690	0.387010	3	3	0
## 64	0.184502510	NA	NA	NA	NA
## 66	-0.105939570	0.268817	3	3	0
## 78	-0.442422720	-0.013802	1	1	1
## 82	-0.131617800	0.169299	3	3	0
## 84	NA	NA	NA	NA	NA
## 85	-0.187513410	0.168158	3	3	0
## 86	0.331359180	0.702214	3	3	0
## 104	0.312164900	-0.007490	1	1	1
## 106	-0.360711660	0.031665	2	2	0
## 111	-0.496549670	-0.225459	1	1	1
## 114	-0.133377120	-0.011379	1	1	1
## 115	-0.249007660	-0.136516	1	1	1
## 117	-0.072359964	0.048510	2	2	0
## 130	-0.682282390	-0.168609	1	1	1
## 133	-0.045860708	0.105067	2	2	0
## 135	-0.024350071	-0.038516	1	1	1
## 138	0.173894480	-0.325070	1	1	1
## 143	-0.161058810	0.055869	2	2	0
## 145	-0.293193220	-0.056531	1	1	1
## 152	-0.476773710	0.044008	2	2	0
## 153	NA	NA	NA	NA	NA
## 165	-0.241453920	-0.108128	1	1	1
## 173	-0.710771560	-0.104214	1	1	1
## 178	-0.651437280	0.063825	2	2	0
## 182	-0.201038440	0.228602	3	3	0
## 187	-0.226924430	0.030543	2	2	0
## 189	-0.053580116	0.114683	2	2	0
## 191	-0.489550230	-0.059940	1	1	1
## 192	-0.013910301	0.124845	2	2	0
## 197	NA	NA	NA	NA	NA
## 201	0.189661220	0.035050	2	2	0
## 207	-0.210569190	0.062128	2	2	0
## 208	-0.296881590	-0.148802	1	1	1
## 213	-0.278296920	-0.107331	1	1	1
## 219	NA	NA	NA	NA	NA
## 221	-0.395059440	NA	NA	NA	NA
## 235	NA	NA	NA	NA	NA
## 237	NA	NA	NA	NA	NA
## 240	NA	NA	NA	NA	NA
## 244	-0.026628410	0.131588	2	2	0

## 245	-0.384207670	NA	NA	NA	NA
## 247	-0.335602820	-0.077298	1	1	1
## 253	-0.164618780	NA	NA	NA	NA
## 260	-0.360138090	-0.034097	1	1	1
## 263	-0.096376546	0.171335	3	3	0
## 271	NA	NA	NA	NA	NA
## 274	NA	NA	NA	NA	NA
## 284	-0.262774850	0.041778	2	2	0
## 288	-0.404185920	0.058600	2	2	0
## 289	-0.233455290	0.035526	2	2	0
## 294	-0.415324540	0.065087	2	2	0
## 296	-0.120017400	0.014178	2	2	0
## 297	-0.315593330	0.074240	2	2	0
## 298	NA	NA	NA	NA	NA
## 300	NA	NA	NA	NA	NA
## 301	-0.110201100	0.191613	3	3	0
## 304	NA	NA	NA	NA	NA
## 307	-0.098026365	0.281451	3	3	0
## 316	0.307690560	0.556002	3	3	0
## 317	NA	NA	NA	NA	NA
## 320	0.972357210	0.732900	3	3	0
## 321	1.292730700	1.802470	3	3	0
## 326	0.159811760	0.321108	3	3	0
## 330	NA	NA	NA	NA	NA
## 333	0.076136626	0.038140	2	2	0
## 334	0.360202700	0.741489	3	3	0
## 337	-0.080834858	0.126921	2	2	0
## 338	NA	NA	NA	NA	NA
## 348	-0.376395260	-0.060556	1	1	1
## 353	0.624150750	0.714320	3	3	0
## 354	0.539424720	0.618220	3	3	0
## 355	NA	NA	NA	NA	NA
## 356	0.148325180	-0.354180	1	1	1
## 359	NA	NA	NA	NA	NA
## 364	-0.179654320	NA	NA	NA	NA
## 369	-0.337230920	-0.099049	1	1	1
## 378	-0.014891327	-0.091111	1	1	1
## 381	-0.076459967	0.164591	3	3	0
## 386	-0.151149690	-0.092931	1	1	1
## 388	NA	NA	NA	NA	NA
## 392	-0.389149430	NA	NA	NA	NA
## 394	NA	NA	NA	NA	NA
## 396	-0.210280390	0.152153	2	2	0
## 404	0.167630840	0.330116	3	3	0
## 406	-0.280147850	0.092973	2	2	0
## 408	0.044265658	0.141331	2	2	0
## 411	-0.252507980	0.094170	2	2	0
## 422	0.089502439	-0.016430	1	1	1
## 423	NA	NA	NA	NA	NA
## 426	0.144074370	0.537689	3	3	0
## 452	NA	NA	NA	NA	NA
## 454	-0.504138050	0.200862	3	3	0
## 456	-0.404209880	0.093326	2	2	0
## 458	-0.167996260	0.038294	2	2	0

## 468	-0.417950210	-0.167094	1	1	1
## 469	-0.745729740	-0.075973	1	1	1
## 472	-0.115538810	0.097022	2	2	0
## 479	NA	NA	NA	NA	NA
## 485	-0.671283960	-0.194553	1	1	1
## 488	0.022602625	0.356673	3	3	0
## 490	NA	NA	NA	NA	NA
## 495	-0.342314270	-0.002304	2	2	0
## 498	NA	NA	NA	NA	NA
## 501	-0.218669820	-0.157427	1	1	1
## 502	0.133315120	0.286770	3	3	0
## 506	-0.172873530	0.135628	2	2	0
## 515	0.191256520	0.373492	3	3	0
## 517	-0.498577590	-0.118248	1	1	1
## 525	-0.271020320	0.094435	2	2	0
## 526	1.328368500	-0.452010	1	1	1
## 533	0.057655513	0.165220	3	3	0
## 556	0.076525763	0.127632	2	2	0
## 561	NA	NA	NA	NA	NA
## 571	NA	NA	NA	NA	NA
## 572	-0.379661410	0.187567	3	3	0
## 582	0.018340776	0.188344	3	3	0
## 592	0.325454620	0.161040	3	3	0
## 598	NA	NA	NA	NA	NA
## 600	-0.461924340	-0.079096	1	1	1
## 607	0.230301870	0.336418	3	3	0
## 612	0.009980033	-0.124470	1	1	1
## 622	NA	NA	NA	NA	NA
## 627	0.845524850	1.299650	3	3	0
## 630	NA	NA	NA	NA	NA
## 635	0.598457340	0.803520	3	3	0
## 640	NA	NA	NA	NA	NA
## 642	0.131826190	NA	NA	NA	NA
## 644	-0.168114560	0.137369	2	2	0
## 645	-0.414740000	0.072593	2	2	0
## 649	-0.619315090	-0.029812	1	1	1
## 657	-0.607237400	-0.223042	1	1	1
## 662	-0.051648095	0.290828	3	3	0
## 664	-0.262256060	0.082508	2	2	0
## 667	0.064119682	0.037230	2	2	0
## 669	0.056389786	0.169612	3	3	0
## 670	0.045298360	NA	NA	NA	NA
## 679	-0.462218020	-0.108536	1	1	1
## 683	-0.482638300	0.030264	2	2	0
## 687	-0.145740480	0.085843	2	2	0
## 688	NA	NA	NA	NA	NA
## 691	-0.016237112	-0.026786	1	1	1
## 694	1.288990100	1.228340	3	3	0
## 696	0.030645590	-0.260070	1	1	1
## 710	-0.349435510	0.048078	2	2	0
## 712	0.646516680	0.354950	3	3	0
## 714	0.163860530	-0.123570	1	1	1
## 717	0.173928100	0.100750	2	2	0
## 719	-0.307150360	-0.050711	1	1	1

## 722	NA	NA	NA	NA	NA
## 725	NA	NA	NA	NA	NA
## 729	-0.001567227	0.169202	3	3	0
## 733	-0.037742365	0.068710	2	2	0
## 740	-0.043043211	0.009310	2	2	0
## 743	0.213642550	0.259931	3	3	0
## 746	-0.057334665	NA	NA	NA	NA
## 747	-0.414518980	-0.076360	1	1	1
## 749	-0.192117380	0.040777	2	2	0
## 759	NA	NA	NA	NA	NA
## 763	0.728736280	0.677160	3	3	0
## 766	0.239300330	-0.122130	1	1	1
## 776	-0.106790420	0.005128	2	2	0
## 793	NA	NA	NA	NA	NA
## 795	NA	NA	NA	NA	NA
## 799	0.120960210	0.127430	2	2	0
## 802	NA	NA	NA	NA	NA
## 810	NA	NA	NA	NA	NA
## 818	-0.811658200	-0.128234	1	1	1
## 822	-0.252462950	0.072534	2	2	0
## 823	-0.323913250	NA	NA	NA	NA
## 828	-0.290273430	0.097733	2	2	0
## 835	0.101915590	0.060380	2	2	0
## 836	NA	NA	NA	NA	NA
## 841	0.056399237	NA	NA	NA	NA
## 855	0.136958020	NA	NA	NA	NA
## 856	NA	NA	NA	NA	NA
## 860	-0.063615218	-0.103904	1	1	1
## 861	NA	NA	NA	NA	NA
## 864	0.543294730	0.657250	3	3	0
## 886	-0.191965910	0.107612	2	2	0
## 892	NA	NA	NA	NA	NA
## 898	-0.304417340	0.113010	2	2	0
##	i_cysdiff3cat2.1	i_cysdiff3cat3.1	logcysdiff.1	til10_0.1	il10pre3cat.1
## 9	NA	NA	NA	3	3
## 15	0	1	-1.0302212	2	2
## 22	0	1	-1.5773000	3	3
## 24	NA	NA	NA	NA	NA
## 31	NA	NA	NA	NA	NA
## 32	1	0	-1.9506896	1	1
## 42	0	1	-0.7610685	2	2
## 53	0	1	-1.8436487	1	1
## 61	NA	NA	NA	1	1
## 63	0	1	-0.9493047	2	2
## 64	NA	NA	NA	NA	NA
## 66	0	1	-1.3137244	2	2
## 78	0	0	-6.9077554	1	1
## 82	0	1	-1.7760888	3	3
## 84	NA	NA	NA	2	2
## 85	0	1	-1.7828513	2	1
## 86	0	1	-0.3535171	1	1
## 104	0	0	-6.9077554	2	2
## 106	1	0	-3.4525433	1	1
## 111	0	0	-6.9077554	2	2

## 114	0	0	-6.9077554	2	2
## 115	0	0	-6.9077554	1	1
## 117	1	0	-3.0259852	2	2
## 130	0	0	-6.9077554	1	1
## 133	1	0	-2.2531571	3	3
## 135	0	0	-6.9077554	3	3
## 138	0	0	-6.9077554	3	3
## 143	1	0	-2.8847456	2	2
## 145	0	0	-6.9077554	2	2
## 152	1	0	-3.1233838	3	3
## 153	NA	NA	NA	1	1
## 165	0	0	-6.9077554	2	2
## 173	0	0	-6.9077554	2	2
## 178	1	0	-2.7516103	1	1
## 182	0	1	-1.4757727	1	1
## 187	1	0	-3.4886198	1	1
## 189	1	0	-2.1655834	3	3
## 191	0	0	-6.9077554	1	1
## 192	1	0	-2.0806823	3	3
## 197	NA	NA	NA	3	3
## 201	1	0	-3.3509796	3	3
## 207	1	0	-2.7785585	2	2
## 208	0	0	-6.9077554	1	1
## 213	0	0	-6.9077554	3	3
## 219	NA	NA	NA	1	1
## 221	NA	NA	NA	NA	NA
## 235	NA	NA	NA	1	1
## 237	NA	NA	NA	1	1
## 240	NA	NA	NA	1	1
## 244	1	0	-2.0280795	2	2
## 245	NA	NA	NA	NA	NA
## 247	0	0	-6.9077554	2	2
## 253	NA	NA	NA	NA	NA
## 260	0	0	-6.9077554	1	1
## 263	0	1	-1.7641346	2	2
## 271	NA	NA	NA	1	1
## 274	NA	NA	NA	1	1
## 284	1	0	-3.1753855	1	1
## 288	1	0	-2.8370206	1	1
## 289	1	0	-3.3374906	1	1
## 294	1	0	-2.7320304	2	2
## 296	1	0	-4.2560639	3	3
## 297	1	0	-2.6004522	1	1
## 298	NA	NA	NA	1	1
## 300	NA	NA	NA	1	1
## 301	0	1	-1.6522776	1	1
## 304	NA	NA	NA	3	3
## 307	0	1	-1.2677970	2	2
## 316	0	1	-0.5869833	3	3
## 317	NA	NA	NA	3	3
## 320	0	1	-0.3107460	1	1
## 321	0	1	0.5891579	2	2
## 326	0	1	-1.1359777	1	1
## 330	NA	NA	NA	1	1

## 333	1	0	-3.2664917	3	3
## 334	0	1	-0.2990950	1	1
## 337	1	0	-2.0641904	1	1
## 338	NA	NA	NA	NA	NA
## 348	0	0	-6.9077554	1	1
## 353	0	1	-0.3364242	1	1
## 354	0	1	-0.4809110	2	2
## 355	NA	NA	NA	3	3
## 356	0	0	-6.9077554	3	3
## 359	NA	NA	NA	2	2
## 364	NA	NA	NA	NA	NA
## 369	0	0	-6.9077554	3	3
## 378	0	0	-6.9077554	2	2
## 381	0	1	-1.8042917	2	2
## 386	0	0	-6.9077554	1	1
## 388	NA	NA	NA	2	2
## 392	NA	NA	NA	NA	NA
## 394	NA	NA	NA	3	3
## 396	1	0	-1.8828686	2	2
## 404	0	1	-1.1083112	2	2
## 406	1	0	-2.3754461	1	1
## 408	1	0	-1.9566506	3	3
## 411	1	0	-2.3626537	3	3
## 422	0	0	-6.9077554	1	1
## 423	NA	NA	NA	2	2
## 426	0	1	-0.6204750	2	2
## 452	NA	NA	NA	NA	NA
## 454	0	1	-1.6051371	3	3
## 456	1	0	-2.3716564	1	1
## 458	1	0	-3.2624621	3	3
## 468	0	0	-6.9077554	2	2
## 469	0	0	-6.9077554	3	3
## 472	1	0	-2.3328176	3	3
## 479	NA	NA	NA	1	1
## 485	0	0	-6.9077554	1	1
## 488	0	1	-1.0309359	1	1
## 490	NA	NA	NA	1	1
## 495	1	0	-6.9077554	2	2
## 498	NA	NA	NA	2	2
## 501	0	0	-6.9077554	3	3
## 502	0	1	-1.2490748	1	1
## 506	1	0	-1.9978395	1	1
## 515	0	1	-0.9848587	3	3
## 517	0	0	-6.9077554	1	1
## 525	1	0	-2.3598435	2	2
## 526	0	0	-6.9077554	3	3
## 533	0	1	-1.8004773	3	3
## 556	1	0	-2.0586040	1	1
## 561	NA	NA	NA	1	1
## 571	NA	NA	NA	1	1
## 572	0	1	-1.6736192	1	1
## 582	0	1	-1.6694852	1	1
## 592	0	1	-1.8261025	1	1
## 598	NA	NA	NA	2	2

## 600	0	0	-6.9077554	3	3
## 607	0	1	-1.0894009	2	2
## 612	0	0	-6.9077554	2	2
## 622	NA	NA	NA	3	3
## 627	0	1	0.2620950	1	1
## 630	NA	NA	NA	3	3
## 635	0	1	-0.2187532	2	2
## 640	NA	NA	NA	1	1
## 642	NA	NA	NA	NA	NA
## 644	1	0	-1.9850845	2	2
## 645	1	0	-2.6228867	2	2
## 649	0	0	-6.9077554	1	1
## 657	0	0	-6.9077554	1	1
## 662	0	1	-1.2350233	3	3
## 664	1	0	-2.4948599	3	3
## 667	1	0	-3.2906404	2	2
## 669	0	1	-1.7742418	2	2
## 670	NA	NA	NA	NA	NA
## 679	0	0	-6.9077554	2	2
## 683	1	0	-3.4977963	2	2
## 687	1	0	-2.4552352	1	1
## 688	NA	NA	NA	3	3
## 691	0	0	-6.9077554	2	2
## 694	0	1	0.2056637	2	2
## 696	0	0	-6.9077554	2	2
## 710	1	0	-3.0349305	1	1
## 712	0	1	-1.0357783	3	3
## 714	0	0	-6.9077554	3	3
## 717	1	0	-2.2951131	1	1
## 719	0	0	-6.9077554	3	3
## 722	NA	NA	NA	NA	NA
## 725	NA	NA	NA	1	1
## 729	0	1	-1.7766620	3	3
## 733	1	0	-2.6778605	3	3
## 740	1	0	-4.6766663	3	3
## 743	0	1	-1.3473390	3	3
## 746	NA	NA	NA	NA	NA
## 747	0	0	-6.9077554	3	3
## 749	1	0	-3.1996369	2	2
## 759	NA	NA	NA	2	2
## 763	0	1	-0.3898477	2	2
## 766	0	0	-6.9077554	3	3
## 776	1	0	-5.2730393	2	2
## 793	NA	NA	NA	2	2
## 795	NA	NA	NA	2	2
## 799	1	0	-2.0601881	3	3
## 802	NA	NA	NA	2	2
## 810	NA	NA	NA	3	3
## 818	0	0	-6.9077554	3	3
## 822	1	0	-2.6236999	3	3
## 823	NA	NA	NA	NA	NA
## 828	1	0	-2.3255160	2	2
## 835	1	0	-2.8070974	1	1
## 836	NA	NA	NA	1	1

## 841	NA	NA	NA	NA	NA
## 855	NA	NA	NA	NA	NA
## 856	NA	NA	NA	2	2
## 860	0	0	-6.9077554	1	1
## 861	NA	NA	NA	1	1
## 864	0	1	-0.4196909	2	2
## 886	1	0	-2.2292230	1	1
## 892	NA	NA	NA	1	1
## 898	1	0	-2.1802790	3	3
##	i_il10pre3cat1.1	i_il10pre3cat2.1	i_il10pre3cat3.1	logil100.1	til10_1.1
## 9	0	0	1	-0.54300451	NA
## 15	0	1	0	-0.86038309	2
## 22	0	0	1	-0.78526247	2
## 24	NA	NA	NA	NA	NA
## 31	NA	NA	NA	NA	2
## 32	1	0	0	-1.50058350	2
## 42	0	1	0	-1.17441400	1
## 53	1	0	0	-1.34707370	1
## 61	1	0	0	-1.42295840	NA
## 63	0	1	0	-1.23787440	3
## 64	NA	NA	NA	NA	1
## 66	0	1	0	-1.23100150	3
## 78	1	0	0	-1.47840960	2
## 82	0	0	1	-0.69514918	2
## 84	0	1	0	-1.18417010	NA
## 85	1	0	0	-1.32802550	1
## 86	1	0	0	-1.95899530	1
## 104	0	1	0	-1.24132860	1
## 106	1	0	0	-1.57021730	1
## 111	0	1	0	-0.92381901	3
## 114	0	1	0	-1.19732820	3
## 115	1	0	0	-1.84516020	3
## 117	0	1	0	-1.30195320	3
## 130	1	0	0	-2.06356810	3
## 133	0	0	1	-0.42007127	1
## 135	0	0	1	-0.40796825	2
## 138	0	0	1	-0.18995059	3
## 143	0	1	0	-1.22077990	1
## 145	0	1	0	-1.22758270	1
## 152	0	0	1	-0.62362111	1
## 153	1	0	0	-2.39689590	NA
## 165	0	1	0	-0.99425226	1
## 173	0	1	0	-1.27654350	3
## 178	1	0	0	-1.95192830	1
## 182	1	0	0	-1.59454930	1
## 187	1	0	0	-1.50507780	2
## 189	0	0	1	-0.64245409	2
## 191	1	0	0	-1.57021730	1
## 192	0	0	1	-0.45570633	1
## 197	0	0	1	-0.59420723	NA
## 201	0	0	1	-0.31608155	2
## 207	0	1	0	-1.18744350	1
## 208	1	0	0	-1.86433020	3
## 213	0	0	1	-0.54991299	3

## 219	1	0	0 -1.94491060	NA
## 221	NA	NA	NA NA	2
## 235	1	0	0 -1.81400510	NA
## 237	1	0	0 -1.33560120	NA
## 240	1	0	0 -1.50058350	NA
## 244	0	1	0 -1.00239350	2
## 245	NA	NA	NA NA	3
## 247	0	1	0 -1.13631420	2
## 253	NA	NA	NA NA	1
## 260	1	0	0 -2.31162570	1
## 263	0	1	0 -0.92886949	2
## 271	1	0	0 -1.90380900	NA
## 274	1	0	0 -1.33560120	NA
## 284	1	0	0 -1.87080260	1
## 288	1	0	0 -1.51868360	1
## 289	1	0	0 -1.78379130	1
## 294	0	1	0 -1.26584820	1
## 296	0	0	1 -0.28768209	1
## 297	1	0	0 -1.36257780	2
## 298	1	0	0 -1.48722030	NA
## 300	1	0	0 -2.26336430	NA
## 301	1	0	0 -1.75446370	1
## 304	0	0	1 0.35065687	NA
## 307	0	1	0 -1.04128720	1
## 316	0	0	1 -0.41855034	2
## 317	0	0	1 -0.35524738	NA
## 320	1	0	0 -1.59948750	1
## 321	0	1	0 -0.85097128	2
## 326	1	0	0 -1.43548460	1
## 330	1	0	0 -2.00991560	NA
## 333	0	0	1 -0.72773862	1
## 334	1	0	0 -3.09224320	3
## 337	1	0	0 -1.36649170	1
## 338	NA	NA	NA NA	NA
## 348	1	0	0 -1.62964060	3
## 353	1	0	0 -1.60943790	1
## 354	0	1	0 -0.91879386	3
## 355	0	0	1 2.91777060	NA
## 356	0	0	1 -0.77870506	2
## 359	0	1	0 -1.21066180	NA
## 364	NA	NA	NA NA	3
## 369	0	0	1 -0.46680874	2
## 378	0	1	0 -1.28013420	2
## 381	0	1	0 -1.07002480	3
## 386	1	0	0 -1.47840960	3
## 388	0	1	0 -0.91879386	NA
## 392	NA	NA	NA NA	3
## 394	0	0	1 -0.53614342	NA
## 396	0	1	0 -1.30933330	2
## 404	0	1	0 -1.29828350	2
## 406	1	0	0 -1.42295840	2
## 408	0	0	1 -0.61248928	2
## 411	0	0	1 -0.15665381	2
## 422	1	0	0 -1.41881750	1

## 423	0	1	0 -0.93904769	NA
## 426	0	1	0 -1.16155210	3
## 452	NA	NA	NA NA	NA
## 454	0	0	1 0.94390589	3
## 456	1	0	0 -1.34323490	3
## 458	0	0	1 -0.34249032	2
## 468	0	1	0 -1.08470940	3
## 469	0	0	1 -0.81193072	2
## 472	0	0	1 -0.27971390	3
## 479	1	0	0 -1.35867920	NA
## 485	1	0	0 -1.46101800	1
## 488	1	0	0 -1.86433020	3
## 490	1	0	0 -1.43548460	NA
## 495	0	1	0 -1.24827300	2
## 498	0	1	0 -1.04696910	NA
## 501	0	0	1 -0.41098028	2
## 502	1	0	0 -1.35479570	2
## 506	1	0	0 -1.47840960	3
## 515	0	0	1 0.59883648	2
## 517	1	0	0 -1.58963530	1
## 525	0	1	0 -1.17441400	3
## 526	0	0	1 0.25464222	3
## 533	0	0	1 -0.03562718	2
## 556	1	0	0 -1.50959250	1
## 561	1	0	0 -1.75446370	NA
## 571	1	0	0 -1.34707370	NA
## 572	1	0	0 -1.64506510	3
## 582	1	0	0 -1.37436580	1
## 592	1	0	0 -1.50959250	3
## 598	0	1	0 -1.20064500	NA
## 600	0	0	1 -0.35239840	3
## 607	0	1	0 -0.86512244	3
## 612	0	1	0 -1.12701180	2
## 622	0	0	1 -0.81644541	NA
## 627	1	0	0 -1.42295840	1
## 630	0	0	1 0.43825492	NA
## 635	0	1	0 -0.92130327	3
## 640	1	0	0 -1.45671680	NA
## 642	NA	NA	NA NA	1
## 644	0	1	0 -0.95972031	1
## 645	0	1	0 -1.03001950	1
## 649	1	0	0 -3.06401110	2
## 657	1	0	0 -2.42928270	1
## 662	0	0	1 3.32862660	3
## 664	0	0	1 -0.40646562	1
## 667	0	1	0 -1.17765550	3
## 669	0	1	0 -1.01611100	3
## 670	NA	NA	NA NA	3
## 679	0	1	0 -1.23100150	3
## 683	0	1	0 -1.11474170	1
## 687	1	0	0 -1.74296930	1
## 688	0	0	1 -0.57625341	NA
## 691	0	1	0 -1.21739580	1
## 694	0	1	0 -1.06711360	2

## 696	0	1	0 -1.02165130	3
## 710	1	0	0 -1.87731730	1
## 712	0	0	1 -0.43232256	3
## 714	0	0	1 0.37843645	2
## 717	1	0	0 -1.67131330	2
## 719	0	0	1 0.07696104	3
## 722	NA	NA	NA NA	NA
## 725	1	0	0 -1.83258150	NA
## 729	0	0	1 -0.80519670	2
## 733	0	0	1 -0.31334183	2
## 740	0	0	1 -0.31608155	2
## 743	0	0	1 -0.80968100	1
## 746	NA	NA	NA NA	1
## 747	0	0	1 -0.33967736	1
## 749	0	1	0 -1.14570390	1
## 759	0	1	0 -1.20064500	NA
## 763	0	1	0 -1.01887730	3
## 766	0	0	1 0.45742485	3
## 776	0	1	0 -0.92130327	3
## 793	0	1	0 -1.15518260	NA
## 795	0	1	0 -1.26584820	NA
## 799	0	0	1 -0.12103833	2
## 802	0	1	0 -0.94417596	NA
## 810	0	0	1 -0.28768209	NA
## 818	0	0	1 -0.75077629	1
## 822	0	0	1 -0.61803973	3
## 823	NA	NA	NA NA	2
## 828	0	1	0 -1.17118300	2
## 835	1	0	0 -1.33180620	3
## 836	1	0	0 -2.29263470	NA
## 841	NA	NA	NA NA	3
## 855	NA	NA	NA NA	1
## 856	0	1	0 -1.11169760	NA
## 860	1	0	0 -1.33180620	1
## 861	1	0	0 -1.57987920	NA
## 864	0	1	0 -1.22417550	1
## 886	1	0	0 -1.33941080	3
## 892	1	0	0 -2.34132600	NA
## 898	0	0	1 -0.08121005	3
##	il10post3cat.1	i_il10post3cat1.1	i_il10post3cat2.1	i_il10post3cat3.1
## 9	NA	NA	NA	NA
## 15	2	0	1	0
## 22	2	0	1	0
## 24	NA	NA	NA	NA
## 31	2	0	1	0
## 32	2	0	1	0
## 42	1	1	0	0
## 53	1	1	0	0
## 61	NA	NA	NA	NA
## 63	3	0	0	1
## 64	1	1	0	0
## 66	3	0	0	1
## 78	2	0	1	0
## 82	2	0	1	0

## 84	NA	NA	NA	NA
## 85	1	1	0	0
## 86	1	1	0	0
## 104	1	1	0	0
## 106	1	1	0	0
## 111	3	0	0	1
## 114	3	0	0	1
## 115	3	0	0	1
## 117	3	0	0	1
## 130	3	0	0	1
## 133	1	1	0	0
## 135	2	0	1	0
## 138	3	0	0	1
## 143	1	1	0	0
## 145	1	1	0	0
## 152	1	1	0	0
## 153	NA	NA	NA	NA
## 165	1	1	0	0
## 173	3	0	0	1
## 178	1	1	0	0
## 182	1	1	0	0
## 187	2	0	1	0
## 189	2	0	1	0
## 191	1	1	0	0
## 192	1	1	0	0
## 197	NA	NA	NA	NA
## 201	2	0	1	0
## 207	1	1	0	0
## 208	3	0	0	1
## 213	3	0	0	1
## 219	NA	NA	NA	NA
## 221	2	0	1	0
## 235	NA	NA	NA	NA
## 237	NA	NA	NA	NA
## 240	NA	NA	NA	NA
## 244	2	0	1	0
## 245	3	0	0	1
## 247	2	0	1	0
## 253	1	1	0	0
## 260	1	1	0	0
## 263	2	0	1	0
## 271	NA	NA	NA	NA
## 274	NA	NA	NA	NA
## 284	1	1	0	0
## 288	1	1	0	0
## 289	1	1	0	0
## 294	1	1	0	0
## 296	1	1	0	0
## 297	2	0	1	0
## 298	NA	NA	NA	NA
## 300	NA	NA	NA	NA
## 301	1	1	0	0
## 304	NA	NA	NA	NA
## 307	1	1	0	0

## 316	2	0	1	0
## 317	NA	NA	NA	NA
## 320	1	1	0	0
## 321	2	0	1	0
## 326	1	1	0	0
## 330	NA	NA	NA	NA
## 333	1	1	0	0
## 334	3	0	0	1
## 337	1	1	0	0
## 338	NA	NA	NA	NA
## 348	3	0	0	1
## 353	1	1	0	0
## 354	3	0	0	1
## 355	NA	NA	NA	NA
## 356	2	0	1	0
## 359	NA	NA	NA	NA
## 364	3	0	0	1
## 369	2	0	1	0
## 378	2	0	1	0
## 381	3	0	0	1
## 386	3	0	0	1
## 388	NA	NA	NA	NA
## 392	3	0	0	1
## 394	NA	NA	NA	NA
## 396	2	0	1	0
## 404	2	0	1	0
## 406	2	0	1	0
## 408	2	0	1	0
## 411	2	0	1	0
## 422	1	1	0	0
## 423	NA	NA	NA	NA
## 426	3	0	0	1
## 452	NA	NA	NA	NA
## 454	3	0	0	1
## 456	3	0	0	1
## 458	2	0	1	0
## 468	3	0	0	1
## 469	2	0	1	0
## 472	3	0	0	1
## 479	NA	NA	NA	NA
## 485	1	1	0	0
## 488	3	0	0	1
## 490	NA	NA	NA	NA
## 495	2	0	1	0
## 498	NA	NA	NA	NA
## 501	2	0	1	0
## 502	2	0	1	0
## 506	3	0	0	1
## 515	2	0	1	0
## 517	1	1	0	0
## 525	3	0	0	1
## 526	3	0	0	1
## 533	2	0	1	0
## 556	1	1	0	0

## 561	NA	NA	NA	NA
## 571	NA	NA	NA	NA
## 572	3	0	0	1
## 582	1	1	0	0
## 592	3	0	0	1
## 598	NA	NA	NA	NA
## 600	3	0	0	1
## 607	3	0	0	1
## 612	2	0	1	0
## 622	NA	NA	NA	NA
## 627	1	1	0	0
## 630	NA	NA	NA	NA
## 635	3	0	0	1
## 640	NA	NA	NA	NA
## 642	1	1	0	0
## 644	1	1	0	0
## 645	1	1	0	0
## 649	2	0	1	0
## 657	1	1	0	0
## 662	3	0	0	1
## 664	1	1	0	0
## 667	3	0	0	1
## 669	3	0	0	1
## 670	3	0	0	1
## 679	3	0	0	1
## 683	1	1	0	0
## 687	1	1	0	0
## 688	NA	NA	NA	NA
## 691	1	1	0	0
## 694	2	0	1	0
## 696	3	0	0	1
## 710	1	1	0	0
## 712	3	0	0	1
## 714	2	0	1	0
## 717	2	0	1	0
## 719	3	0	0	1
## 722	NA	NA	NA	NA
## 725	NA	NA	NA	NA
## 729	2	0	1	0
## 733	2	0	1	0
## 740	2	0	1	0
## 743	1	1	0	0
## 746	1	1	0	0
## 747	1	1	0	0
## 749	1	1	0	0
## 759	NA	NA	NA	NA
## 763	3	0	0	1
## 766	3	0	0	1
## 776	3	0	0	1
## 793	NA	NA	NA	NA
## 795	NA	NA	NA	NA
## 799	2	0	1	0
## 802	NA	NA	NA	NA
## 810	NA	NA	NA	NA

## 818	1	1	0	0	
## 822	3	0	0	1	
## 823	2	0	1	0	
## 828	2	0	1	0	
## 835	3	0	0	1	
## 836	NA	NA	NA	NA	
## 841	3	0	0	1	
## 855	1	1	0	0	
## 856	NA	NA	NA	NA	
## 860	1	1	0	0	
## 861	NA	NA	NA	NA	
## 864	1	1	0	0	
## 886	3	0	0	1	
## 892	NA	NA	NA	NA	
## 898	3	0	0	1	
##	logil101.1	il10diff.1	til10diff.1	il10diff3cat.1	i_il10diff3cat1.1
## 9	NA	NA	NA	NA	NA
## 15	0.05826891	0.6370	2	2	0
## 22	-0.30381146	0.2820	1	1	1
## 24	NA	NA	NA	NA	NA
## 31	-0.09101940	NA	NA	NA	NA
## 32	-0.26006690	0.5480	2	2	0
## 42	-0.73605466	0.1700	1	1	1
## 53	-0.84629834	0.1690	1	1	1
## 61	NA	NA	NA	NA	NA
## 63	1.00063190	2.4300	3	3	0
## 64	-0.59420723	NA	NA	NA	NA
## 66	1.06815300	2.6180	3	3	0
## 78	-0.02531781	0.7470	2	2	0
## 82	-0.30245736	0.2400	1	1	1
## 84	NA	NA	NA	NA	NA
## 85	-0.81193072	0.1790	1	1	1
## 86	-0.69114918	0.3600	2	2	0
## 104	-1.12085800	0.0370	1	1	1
## 106	-0.72360641	0.2770	1	1	1
## 111	1.10194000	2.6130	3	3	0
## 114	0.41210964	1.2080	3	3	0
## 115	0.97077894	2.4820	3	3	0
## 117	0.57097954	1.4980	3	3	0
## 130	2.44234700	11.3730	3	3	0
## 133	-0.56036609	-0.0860	1	1	1
## 135	-0.30381146	0.0730	1	1	1
## 138	0.36464313	0.6130	2	2	0
## 143	-1.09064410	0.0410	1	1	1
## 145	-0.91879386	0.1060	1	1	1
## 152	-2.88061950	-0.4799	1	1	1
## 153	NA	NA	NA	NA	NA
## 165	-0.43540898	0.2770	1	1	1
## 173	1.19996480	3.0410	3	3	0
## 178	-1.29098420	0.1330	1	1	1
## 182	-0.71949118	0.2840	1	1	1
## 187	-0.09982034	0.6830	2	2	0
## 189	0.19062036	0.6840	2	2	0
## 191	-1.65548180	-0.0170	1	1	1

## 192	-0.97021908	-0.2550	1	1	1
## 197	NA	NA	NA	NA	NA
## 201	-0.35524738	-0.0280	1	1	1
## 207	-0.68517900	0.1990	1	1	1
## 208	0.34358969	1.2550	3	3	0
## 213	0.37843645	0.8830	3	3	0
## 219	NA	NA	NA	NA	NA
## 221	0.11332869	NA	NA	NA	NA
## 235	NA	NA	NA	NA	NA
## 237	NA	NA	NA	NA	NA
## 240	NA	NA	NA	NA	NA
## 244	-0.12556322	0.5150	2	2	0
## 245	0.30748469	NA	NA	NA	NA
## 247	-0.08121005	0.6010	2	2	0
## 253	-0.75289720	NA	NA	NA	NA
## 260	-0.45413029	0.5359	2	2	0
## 263	0.22314355	0.8550	3	3	0
## 271	NA	NA	NA	NA	NA
## 274	NA	NA	NA	NA	NA
## 284	-2.27302620	-0.0510	1	1	1
## 288	-0.84397006	0.2110	1	1	1
## 289	-0.83471072	0.2660	1	1	1
## 294	-0.86038309	0.1410	1	1	1
## 296	-0.94160855	-0.3600	1	1	1
## 297	-0.19601488	0.5660	2	2	0
## 298	NA	NA	NA	NA	NA
## 300	NA	NA	NA	NA	NA
## 301	-1.01335240	0.1900	1	1	1
## 304	NA	NA	NA	NA	NA
## 307	-0.53273046	0.2340	1	1	1
## 316	0.10436001	0.4520	2	2	0
## 317	NA	NA	NA	NA	NA
## 320	-0.49922648	0.4050	2	2	0
## 321	-0.23193206	0.3660	2	2	0
## 326	-1.51412770	-0.0180	1	1	1
## 330	NA	NA	NA	NA	NA
## 333	-0.49265832	0.1280	1	1	1
## 334	0.71783978	2.0046	3	3	0
## 337	-0.60148001	0.2930	1	1	1
## 338	NA	NA	NA	NA	NA
## 348	1.39128180	3.8240	3	3	0
## 353	-0.70724612	0.2930	1	1	1
## 354	1.80005820	5.6510	3	3	0
## 355	NA	NA	NA	NA	NA
## 356	0.13976194	0.6910	2	2	0
## 359	NA	NA	NA	NA	NA
## 364	0.57097954	NA	NA	NA	NA
## 369	-0.28768209	0.1230	1	1	1
## 378	-0.21195637	0.5310	2	2	0
## 381	0.50077528	1.3070	3	3	0
## 386	1.04027680	2.6020	3	3	0
## 388	NA	NA	NA	NA	NA
## 392	1.09192340	NA	NA	NA	NA
## 394	NA	NA	NA	NA	NA

## 396	0.05826891	0.7900	2	2	0
## 404	-0.36384344	0.4220	2	2	0
## 406	0.07696104	0.8390	3	2	0
## 408	0.17395331	0.6480	2	2	0
## 411	0.13102826	0.2850	1	1	1
## 422	-0.70521975	0.2520	1	1	1
## 423	NA	NA	NA	NA	NA
## 426	1.33236600	3.4770	3	3	0
## 452	NA	NA	NA	NA	NA
## 454	1.30019160	1.1000	3	3	0
## 456	0.74668795	1.8490	3	3	0
## 458	-0.19358476	0.1140	1	1	1
## 468	0.77932489	1.8420	3	3	0
## 469	-0.09431068	0.4660	2	2	0
## 472	0.48242614	0.8640	3	3	0
## 479	NA	NA	NA	NA	NA
## 485	-0.80519670	0.2150	1	1	1
## 488	0.47000363	1.4450	3	3	0
## 490	NA	NA	NA	NA	NA
## 495	-0.16841865	0.5580	2	2	0
## 498	NA	NA	NA	NA	NA
## 501	0.15700375	0.5070	2	2	0
## 502	-0.17554457	0.5810	2	2	0
## 506	0.32930374	1.1620	3	3	0
## 515	0.06765865	-0.7500	1	1	1
## 517	-0.62175721	0.3330	2	2	0
## 525	0.35065687	1.1110	3	3	0
## 526	1.02245090	1.4900	3	3	0
## 533	-0.22064666	-0.1630	1	1	1
## 556	-1.12393010	0.1040	1	1	1
## 561	NA	NA	NA	NA	NA
## 571	NA	NA	NA	NA	NA
## 572	0.35065687	1.2270	3	3	0
## 582	-0.86274999	0.1690	1	1	1
## 592	0.27002713	1.0890	3	3	0
## 598	NA	NA	NA	NA	NA
## 600	0.43178242	0.8370	3	2	0
## 607	0.77010822	1.7390	3	3	0
## 612	-0.17316362	0.5170	2	2	0
## 622	NA	NA	NA	NA	NA
## 627	-0.42924565	0.4100	2	2	0
## 630	NA	NA	NA	NA	NA
## 635	0.28517893	0.9320	3	3	0
## 640	NA	NA	NA	NA	NA
## 642	-0.41400144	NA	NA	NA	NA
## 644	-1.16796230	-0.0720	1	1	1
## 645	-1.22758270	-0.0640	1	1	1
## 649	-0.29840603	0.6953	2	2	0
## 657	-1.43548460	0.1499	1	1	1
## 662	4.94164230	112.1000	3	3	0
## 664	-0.64055473	-0.1390	1	1	1
## 667	0.78390157	1.8820	3	3	0
## 669	1.37876610	3.6080	3	3	0
## 670	1.42069580	NA	NA	NA	NA

## 679	0.42526773	1.2380	3	3	0
## 683	-0.69114918	0.1730	1	1	1
## 687	-0.71949118	0.3120	1	1	1
## 688	NA	NA	NA	NA	NA
## 691	-0.75289720	0.1750	1	1	1
## 694	0.07696104	0.7360	2	2	0
## 696	0.40546510	1.1400	3	3	0
## 710	-0.51249367	0.4460	2	2	0
## 712	0.66268796	1.2910	3	3	0
## 714	0.23111172	-0.2000	1	1	1
## 717	-0.18392284	0.6440	2	2	0
## 719	1.40364300	2.9900	3	3	0
## 722	NA	NA	NA	NA	NA
## 725	NA	NA	NA	NA	NA
## 729	-0.36240563	0.2490	1	1	1
## 733	-0.23445731	0.0600	1	1	1
## 740	-0.25231493	0.0480	1	1	1
## 743	-0.66943067	0.0670	1	1	1
## 746	-0.55512589	NA	NA	NA	NA
## 747	-0.67727381	-0.2040	1	1	1
## 749	-0.79850769	0.1320	1	1	1
## 759	NA	NA	NA	NA	NA
## 763	0.95165789	2.2290	3	3	0
## 766	0.80200160	0.6500	2	2	0
## 776	0.47000363	1.2020	3	3	0
## 793	NA	NA	NA	NA	NA
## 795	NA	NA	NA	NA	NA
## 799	0.12221763	0.2440	1	1	1
## 802	NA	NA	NA	NA	NA
## 810	NA	NA	NA	NA	NA
## 818	-1.30563640	-0.2010	1	1	1
## 822	0.30010459	0.8110	2	2	0
## 823	-0.04082200	NA	NA	NA	NA
## 828	-0.17673717	0.5280	2	2	0
## 835	0.80200160	1.9660	3	3	0
## 836	NA	NA	NA	NA	NA
## 841	0.92821932	NA	NA	NA	NA
## 855	-1.21066180	NA	NA	NA	NA
## 856	NA	NA	NA	NA	NA
## 860	-0.71131116	0.2270	1	1	1
## 861	NA	NA	NA	NA	NA
## 864	-0.81871039	0.1470	1	1	1
## 886	0.96698385	2.3680	3	3	0
## 892	NA	NA	NA	NA	NA
## 898	0.31481075	0.4480	2	2	0
##	i_il10diff3cat2.1	i_il10diff3cat3.1	logil10diff.1	til6_0.1	il6pre3cat.1
## 9	NA	NA	NA	3	3
## 15	1	0	-0.45098558	2	2
## 22	0	0	-1.26584820	3	3
## 24	NA	NA	NA	NA	NA
## 31	NA	NA	NA	NA	NA
## 32	1	0	-0.60148001	1	1
## 42	0	0	-1.77195680	3	3
## 53	0	0	-1.77785660	1	1

## 61	NA	NA	NA	2	2
## 63	0	1	0.88789129	1	1
## 64	NA	NA	NA	NA	NA
## 66	0	1	0.96241069	3	3
## 78	1	0	-0.29169011	1	1
## 82	0	0	-1.42711640	1	1
## 84	NA	NA	NA	2	2
## 85	0	0	-1.72036950	2	2
## 86	1	0	-1.02165110	3	3
## 104	0	0	-3.29683730	3	3
## 106	0	0	-1.28373780	2	2
## 111	0	1	0.96049893	2	2
## 114	0	1	0.18896605	3	3
## 115	0	1	0.90906471	2	2
## 117	0	1	0.40413091	1	1
## 130	0	1	2.43124220	2	2
## 133	0	0	-6.90775540	1	1
## 135	0	0	-2.61729570	2	2
## 138	1	0	-0.48939037	3	3
## 143	0	0	-3.19418310	1	1
## 145	0	0	-2.24431610	2	2
## 152	0	0	-6.90775540	3	3
## 153	NA	NA	NA	2	2
## 165	0	0	-1.28373780	1	1
## 173	0	1	1.11218640	1	1
## 178	0	0	-2.01740620	2	2
## 182	0	0	-1.25878100	3	3
## 187	1	0	-0.38126037	2	2
## 189	1	0	-0.37979734	3	3
## 191	0	0	-6.90775540	2	2
## 192	0	0	-6.90775540	3	3
## 197	NA	NA	NA	1	1
## 201	0	0	-6.90775540	3	3
## 207	0	0	-1.61445050	1	1
## 208	0	1	0.22713557	2	2
## 213	0	1	-0.12443006	3	3
## 219	NA	NA	NA	1	1
## 221	NA	NA	NA	NA	NA
## 235	NA	NA	NA	2	2
## 237	NA	NA	NA	3	3
## 240	NA	NA	NA	1	1
## 244	1	0	-0.66358840	1	1
## 245	NA	NA	NA	NA	NA
## 247	1	0	-0.50916034	1	1
## 253	NA	NA	NA	NA	NA
## 260	1	0	-0.62380773	1	1
## 263	0	1	-0.15665379	2	2
## 271	NA	NA	NA	2	2
## 274	NA	NA	NA	1	1
## 284	0	0	-6.90775540	3	3
## 288	0	0	-1.55589710	1	1
## 289	0	0	-1.32425890	1	1
## 294	0	0	-1.95899530	3	3
## 296	0	0	-6.90775540	2	2

## 297	1	0	-0.56916124	2	2
## 298	NA	NA	NA	1	1
## 300	NA	NA	NA	2	2
## 301	0	0	-1.66073120	1	1
## 304	NA	NA	NA	3	3
## 307	0	0	-1.45243420	2	2
## 316	1	0	-0.79407310	3	3
## 317	NA	NA	NA	1	1
## 320	1	0	-0.90386820	3	3
## 321	1	0	-1.00512190	3	3
## 326	0	0	-6.90775540	2	2
## 330	NA	NA	NA	3	3
## 333	0	0	-2.05572490	2	2
## 334	0	1	0.69544458	1	1
## 337	0	0	-1.22758260	3	3
## 338	NA	NA	NA	3	3
## 348	0	1	1.34129690	2	2
## 353	0	0	-1.22758260	2	2
## 354	0	1	1.73183250	3	3
## 355	NA	NA	NA	3	3
## 356	1	0	-0.36961547	3	3
## 359	NA	NA	NA	1	1
## 364	NA	NA	NA	NA	NA
## 369	0	0	-2.09557080	3	3
## 378	1	0	-0.63299322	2	2
## 381	0	1	0.26773447	1	1
## 386	0	1	0.95628035	1	1
## 388	NA	NA	NA	2	2
## 392	NA	NA	NA	NA	NA
## 394	NA	NA	NA	3	3
## 396	1	0	-0.23572230	2	2
## 404	1	0	-0.86274999	3	3
## 406	1	0	-0.17554459	3	3
## 408	1	0	-0.43386459	3	3
## 411	0	0	-1.25526610	3	3
## 422	0	0	-1.37832620	3	3
## 423	NA	NA	NA	2	2
## 426	0	1	1.24616980	1	1
## 452	NA	NA	NA	NA	NA
## 454	0	1	0.09531020	1	1
## 456	0	1	0.61464494	2	2
## 458	0	0	-2.17155670	3	3
## 468	0	1	0.61085194	1	1
## 469	1	0	-0.76356965	1	1
## 472	0	1	-0.14618248	1	1
## 479	NA	NA	NA	1	1
## 485	0	0	-1.53711720	2	2
## 488	0	1	0.36810935	1	1
## 490	NA	NA	NA	1	1
## 495	1	0	-0.58339626	3	3
## 498	NA	NA	NA	3	3
## 501	1	0	-0.67924422	3	3
## 502	1	0	-0.54300457	2	2
## 506	0	1	0.15014261	2	2

## 515	0	0	-6.90775540	3	3
## 517	1	0	-1.09961280	2	2
## 525	0	1	0.10526046	2	2
## 526	0	1	0.39877611	2	2
## 533	0	0	-6.90775540	2	2
## 556	0	0	-2.26336430	1	1
## 561	NA	NA	NA	1	1
## 571	NA	NA	NA	2	2
## 572	0	1	0.20457217	2	2
## 582	0	0	-1.77785660	1	1
## 592	0	1	0.08525983	3	3
## 598	NA	NA	NA	1	1
## 600	1	0	-0.17793119	1	1
## 607	0	1	0.55331022	3	3
## 612	1	0	-0.65971237	3	3
## 622	NA	NA	NA	2	2
## 627	1	0	-0.89159811	3	3
## 630	NA	NA	NA	3	3
## 635	0	1	-0.07042249	3	2
## 640	NA	NA	NA	1	1
## 642	NA	NA	NA	NA	NA
## 644	0	0	-6.90775540	1	1
## 645	0	0	-6.90775540	3	3
## 649	1	0	-0.36341190	2	2
## 657	0	0	-1.89778690	1	1
## 662	0	1	4.71939130	1	1
## 664	0	0	-6.90775540	2	2
## 667	0	1	0.63233501	3	3
## 669	0	1	1.28315370	2	2
## 670	NA	NA	NA	NA	NA
## 679	0	1	0.21349721	2	2
## 683	0	0	-1.75446370	1	1
## 687	0	0	-1.16475210	3	3
## 688	NA	NA	NA	1	1
## 691	0	0	-1.74296930	3	3
## 694	1	0	-0.30652517	2	2
## 696	0	1	0.13102825	2	2
## 710	1	0	-0.80743629	1	1
## 712	0	1	0.25541711	3	3
## 714	0	0	-6.90775540	3	3
## 717	1	0	-0.44005656	2	2
## 719	0	1	1.09527340	3	3
## 722	NA	NA	NA	NA	NA
## 725	NA	NA	NA	1	1
## 729	0	0	-1.39030240	2	2
## 733	0	0	-2.81341080	2	2
## 740	0	0	-3.03655430	3	3
## 743	0	0	-2.70306250	3	3
## 746	NA	NA	NA	NA	NA
## 747	0	0	-6.90775540	2	2
## 749	0	0	-2.02495340	1	1
## 759	NA	NA	NA	2	2
## 763	0	1	0.80155307	3	3
## 766	1	0	-0.43078294	1	1

## 776	0	1	0.18398686	3	3
## 793	NA	NA	NA	3	3
## 795	NA	NA	NA	3	3
## 799	0	0	-1.41058710	1	1
## 802	NA	NA	NA	2	2
## 810	NA	NA	NA	1	1
## 818	0	0	-6.90775540	1	1
## 822	1	0	-0.20948724	1	1
## 823	NA	NA	NA	NA	NA
## 828	1	0	-0.63865900	1	1
## 835	0	1	0.67600101	3	3
## 836	NA	NA	NA	2	2
## 841	NA	NA	NA	NA	NA
## 855	NA	NA	NA	NA	NA
## 856	NA	NA	NA	1	1
## 860	0	0	-1.48280530	2	2
## 861	NA	NA	NA	2	2
## 864	0	0	-1.91732260	1	1
## 886	0	1	0.86204571	2	2
## 892	NA	NA	NA	1	1
## 898	1	0	-0.80296201	2	2
##	i_il6pre3cat1.1	i_il6pre3cat2.1	i_il6pre3cat3.1	logil60.1	til6_1.1
## 9	0	0	1	1.40854500	NA
## 15	0	1	0	0.23901691	2
## 22	0	0	1	2.40694500	3
## 24	NA	NA	NA	NA	NA
## 31	NA	NA	NA	NA	3
## 32	1	0	0	-0.49593702	1
## 42	0	0	1	1.82937630	3
## 53	1	0	0	-1.01887730	2
## 61	0	1	0	0.76546782	NA
## 63	1	0	0	-0.41400144	1
## 64	NA	NA	NA	NA	2
## 66	0	0	1	1.75267210	3
## 78	1	0	0	-0.75502259	1
## 82	1	0	0	-0.29437107	1
## 84	0	1	0	0.31481075	NA
## 85	0	1	0	0.29266962	1
## 86	0	0	1	0.94778937	2
## 104	0	0	1	1.96290770	1
## 106	0	1	0	0.40546510	1
## 111	0	1	0	0.37843645	3
## 114	0	0	1	1.90657520	3
## 115	0	1	0	0.29266962	3
## 117	1	0	0	-0.04604394	1
## 130	0	1	0	0.13102826	3
## 133	1	0	0	-0.07042246	1
## 135	0	1	0	0.10436001	1
## 138	0	0	1	0.94000727	2
## 143	1	0	0	0.01980263	1
## 145	0	1	0	0.54232430	1
## 152	0	0	1	3.21084360	1
## 153	0	1	0	0.38526240	NA
## 165	1	0	0	-0.06720875	1

## 173	1	0	0 -0.12897038	3
## 178	0	1	0 0.19062036	1
## 182	0	0	1 1.52605630	2
## 187	0	1	0 0.22314355	2
## 189	0	0	1 1.16627100	1
## 191	0	1	0 0.69314718	1
## 192	0	0	1 2.01490310	2
## 197	1	0	0 -0.29437107	NA
## 201	0	0	1 3.53514530	3
## 207	1	0	0 -0.53102833	1
## 208	0	1	0 0.78845733	1
## 213	0	0	1 2.19388560	3
## 219	1	0	0 -0.87707001	NA
## 221	NA	NA	NA NA	2
## 235	0	1	0 0.66782939	NA
## 237	0	0	1 1.74919990	NA
## 240	1	0	0 -0.25102875	NA
## 244	1	0	0 -0.01207258	1
## 245	NA	NA	NA NA	3
## 247	1	0	0 -0.02634397	3
## 253	NA	NA	NA NA	2
## 260	1	0	0 -0.61618614	1
## 263	0	1	0 0.81093019	1
## 271	0	1	0 0.23111172	NA
## 274	1	0	0 -0.22439434	NA
## 284	0	0	1 0.91629076	1
## 288	1	0	0 -0.02839948	1
## 289	1	0	0 -0.20456716	2
## 294	0	0	1 1.68268840	3
## 296	0	1	0 0.41210964	1
## 297	0	1	0 0.28517893	2
## 298	1	0	0 -0.17673717	NA
## 300	0	1	0 0.28517893	NA
## 301	1	0	0 -0.30381146	2
## 304	0	0	1 4.30000260	NA
## 307	0	1	0 0.34358969	3
## 316	0	0	1 1.72633170	3
## 317	1	0	0 -0.25747624	NA
## 320	0	0	1 1.51292710	3
## 321	0	0	1 1.71379790	1
## 326	0	1	0 0.50077528	1
## 330	0	0	1 1.06125650	NA
## 333	0	1	0 0.28517893	1
## 334	1	0	0 -0.55164760	1
## 337	0	0	1 1.03673680	1
## 338	0	0	1 1.38379120	NA
## 348	0	1	0 0.29266962	3
## 353	0	1	0 0.29266962	1
## 354	0	0	1 2.80336050	2
## 355	0	0	1 3.98154900	NA
## 356	0	0	1 1.72810950	3
## 359	1	0	0 -0.50916034	NA
## 364	NA	NA	NA NA	2
## 369	0	0	1 2.78501130	2

## 378	0	1	0 0.56531382	1
## 381	1	0	0 -1.60943790	3
## 386	1	0	0 -0.40047756	2
## 388	0	1	0 0.67294449	NA
## 392	NA	NA	NA NA	2
## 394	0	0	1 0.97832614	NA
## 396	0	1	0 0.72270596	1
## 404	0	0	1 1.56861590	3
## 406	0	0	1 0.88789123	2
## 408	0	0	1 1.19694820	2
## 411	0	0	1 1.56653050	2
## 422	0	0	1 1.55180880	1
## 423	0	1	0 0.27763173	NA
## 426	1	0	0 -0.08446915	3
## 452	NA	NA	NA NA	NA
## 454	1	0	0 -0.66747946	1
## 456	0	1	0 0.37156355	2
## 458	0	0	1 1.54543260	3
## 468	1	0	0 -0.08773892	2
## 469	1	0	0 -0.22690061	2
## 472	1	0	0 -0.83701754	1
## 479	1	0	0 -1.13010300	NA
## 485	0	1	0 0.66268796	1
## 488	1	0	0 -0.04395189	1
## 490	1	0	0 -0.07796154	NA
## 495	0	0	1 1.51072190	3
## 498	0	0	1 1.90508820	NA
## 501	0	0	1 2.31253550	2
## 502	0	1	0 0.27763173	3
## 506	0	1	0 0.08617770	3
## 515	0	0	1 2.59525470	2
## 517	0	1	0 0.54232430	2
## 525	0	1	0 0.36464313	3
## 526	0	1	0 0.55388510	1
## 533	0	1	0 0.30748469	1
## 556	1	0	0 -0.26918748	2
## 561	1	0	0 -0.01005034	NA
## 571	0	1	0 0.71783978	NA
## 572	0	1	0 0.32208350	3
## 582	1	0	0 -0.77002823	1
## 592	0	0	1 1.61143590	3
## 598	1	0	0 -0.48450831	NA
## 600	1	0	0 -0.51751459	2
## 607	0	0	1 1.04027680	3
## 612	0	0	1 1.30833280	2
## 622	0	1	0 0.62057650	NA
## 627	0	0	1 2.20165920	3
## 630	0	0	1 0.91228271	NA
## 635	0	1	0 0.82855183	3
## 640	1	0	0 -0.14502577	NA
## 642	NA	NA	NA NA	2
## 644	1	0	0 -0.39749694	2
## 645	0	0	1 2.63188890	2
## 649	0	1	0 0.47623417	2

## 657	1	0	0 -0.06400533	1
## 662	1	0	0 -0.71949118	2
## 664	0	1	0 0.75612199	1
## 667	0	0	1 2.37954620	3
## 669	0	1	0 0.16551444	2
## 670	NA	NA	NA NA	1
## 679	0	1	0 0.63657683	3
## 683	1	0	0 -0.57092953	2
## 687	0	0	1 0.84156716	3
## 688	1	0	0 0.06765865	NA
## 691	0	0	1 1.88858370	2
## 694	0	1	0 0.45742485	3
## 696	0	1	0 0.55961579	2
## 710	1	0	0 -0.67727381	3
## 712	0	0	1 1.52388000	3
## 714	0	0	1 1.38629440	2
## 717	0	1	0 0.76546782	2
## 719	0	0	1 4.18509910	1
## 722	NA	NA	NA NA	NA
## 725	1	0	0 -0.04604394	NA
## 729	0	1	0 0.76080585	1
## 733	0	1	0 0.56531382	2
## 740	0	0	1 1.85002840	1
## 743	0	0	1 1.21491280	2
## 746	NA	NA	NA NA	1
## 747	0	1	0 0.22314355	1
## 749	1	0	0 -0.12329821	1
## 759	0	1	0 0.59883648	NA
## 763	0	0	1 1.68639900	2
## 766	1	0	0 -0.10869942	3
## 776	0	0	1 1.03673680	1
## 793	0	0	1 1.70474800	NA
## 795	0	0	1 0.84586829	NA
## 799	1	0	0 0.01980263	3
## 802	0	1	0 0.10436001	NA
## 810	1	0	0 -0.50087529	NA
## 818	1	0	0 -0.31060958	1
## 822	1	0	0 -0.95972031	3
## 823	NA	NA	NA NA	2
## 828	1	0	0 -0.61803973	1
## 835	0	0	1 0.93216407	2
## 836	0	1	0 0.30748469	NA
## 841	NA	NA	NA NA	3
## 855	NA	NA	NA NA	1
## 856	1	0	0 -0.13238919	NA
## 860	0	1	0 0.19062036	3
## 861	0	1	0 0.51879382	NA
## 864	1	0	0 -0.29437107	2
## 886	0	1	0 0.29266962	2
## 892	1	0	0 -0.02737120	NA
## 898	0	1	0 0.28517893	2
##	il6post3cat.1	i_il6post3cat1.1	i_il6post3cat2.1	i_il6post3cat3.1 logil61.1
## 9	NA	NA	NA	NA NA
## 15	2	0	1	0 3.2308044

## 22	3	0	0	1 4.3944492
## 24	NA	NA	NA	NA NA
## 31	3	0	0	1 4.1956968
## 32	1	1	0	0 2.9806187
## 42	3	0	0	1 5.4380794
## 53	2	0	1	0 3.1738784
## 61	NA	NA	NA	NA NA
## 63	1	1	0	0 2.9957323
## 64	2	0	1	0 3.5085559
## 66	3	0	0	1 4.5910711
## 78	1	1	0	0 2.4248028
## 82	1	1	0	0 2.6672282
## 84	NA	NA	NA	NA NA
## 85	1	1	0	0 2.9338570
## 86	2	0	1	0 3.3707383
## 104	1	1	0	0 2.8848007
## 106	1	1	0	0 2.4932055
## 111	3	0	0	1 4.2384448
## 114	3	0	0	1 5.2933049
## 115	3	0	0	1 4.1926804
## 117	1	1	0	0 2.1065702
## 130	3	0	0	1 4.2456341
## 133	1	1	0	0 2.6946273
## 135	1	1	0	0 2.4336133
## 138	2	0	1	0 3.1527359
## 143	1	1	0	0 2.8678989
## 145	1	1	0	0 2.5095992
## 152	1	1	0	0 1.1817272
## 153	NA	NA	NA	NA NA
## 165	1	1	0	0 2.8903718
## 173	3	0	0	1 4.4042773
## 178	1	1	0	0 2.4510050
## 182	2	0	1	0 3.4144425
## 187	2	0	1	0 3.5751507
## 189	1	1	0	0 2.1162555
## 191	1	1	0	0 2.5952547
## 192	2	0	1	0 3.5085559
## 197	NA	NA	NA	NA NA
## 201	3	0	0	1 4.6443911
## 207	1	1	0	0 1.1693814
## 208	1	1	0	0 2.4595888
## 213	3	0	0	1 4.2180362
## 219	NA	NA	NA	NA NA
## 221	2	0	1	0 3.1045866
## 235	NA	NA	NA	NA NA
## 237	NA	NA	NA	NA NA
## 240	NA	NA	NA	NA NA
## 244	1	1	0	0 2.8622010
## 245	3	0	0	1 4.2224445
## 247	3	0	0	1 3.7232809
## 253	2	0	1	0 3.1654751
## 260	1	1	0	0 1.9810015
## 263	1	1	0	0 2.2115657
## 271	NA	NA	NA	NA NA

## 274	NA	NA	NA	NA	NA
## 284	1	1	0	0	0.9932518
## 288	1	1	0	0	2.5257287
## 289	2	0	1	0	3.1354942
## 294	3	0	0	1	3.9889841
## 296	1	1	0	0	2.7536607
## 297	2	0	1	0	3.1904764
## 298	NA	NA	NA	NA	NA
## 300	NA	NA	NA	NA	NA
## 301	2	0	1	0	3.1398327
## 304	NA	NA	NA	NA	NA
## 307	3	0	0	1	4.1335654
## 316	3	0	0	1	4.0876555
## 317	NA	NA	NA	NA	NA
## 320	3	0	0	1	4.4367514
## 321	1	1	0	0	2.7343676
## 326	1	1	0	0	2.9496884
## 330	NA	NA	NA	NA	NA
## 333	1	1	0	0	2.7850113
## 334	1	1	0	0	1.3217559
## 337	1	1	0	0	2.6810215
## 338	NA	NA	NA	NA	NA
## 348	3	0	0	1	4.5961294
## 353	1	1	0	0	2.8154087
## 354	2	0	1	0	3.0397491
## 355	NA	NA	NA	NA	NA
## 356	3	0	0	1	4.3515673
## 359	NA	NA	NA	NA	NA
## 364	2	0	1	0	3.1570003
## 369	2	0	1	0	3.4904284
## 378	1	1	0	0	3.0155349
## 381	3	0	0	1	3.7208624
## 386	2	0	1	0	3.1000922
## 388	NA	NA	NA	NA	NA
## 392	2	0	1	0	3.5807374
## 394	NA	NA	NA	NA	NA
## 396	1	1	0	0	2.2586331
## 404	3	0	0	1	4.1239033
## 406	2	0	1	0	3.2027464
## 408	2	0	1	0	3.1945832
## 411	2	0	1	0	3.2108436
## 422	1	1	0	0	2.4510050
## 423	NA	NA	NA	NA	NA
## 426	2	0	1	0	3.6532524
## 452	NA	NA	NA	NA	NA
## 454	1	1	0	0	2.6810215
## 456	2	0	1	0	3.2771447
## 458	3	0	0	1	4.1820502
## 468	2	0	1	0	3.3978584
## 469	2	0	1	0	3.4995332
## 472	1	1	0	0	2.4510050
## 479	NA	NA	NA	NA	NA
## 485	1	1	0	0	2.8848007
## 488	1	1	0	0	2.5494452

## 490	NA	NA	NA	NA	NA
## 495	3	0	0	1	4.2794399
## 498	NA	NA	NA	NA	NA
## 501	2	0	1	0	3.5751507
## 502	3	0	0	1	4.7957907
## 506	3	0	0	1	4.7791233
## 515	2	0	1	0	3.4078419
## 517	2	0	1	0	3.3568971
## 525	3	0	0	1	4.0535226
## 526	1	1	0	0	2.4595888
## 533	1	1	0	0	2.6461749
## 556	1	1	0	0	3.0204248
## 561	NA	NA	NA	NA	NA
## 571	NA	NA	NA	NA	NA
## 572	3	0	0	1	4.3040652
## 582	1	1	0	0	2.9652731
## 592	3	0	0	1	4.8978400
## 598	NA	NA	NA	NA	NA
## 600	2	0	1	0	3.5234151
## 607	3	0	0	1	3.9963641
## 612	2	0	1	0	3.2268441
## 622	NA	NA	NA	NA	NA
## 627	3	0	0	1	4.3694477
## 630	NA	NA	NA	NA	NA
## 635	3	0	0	1	3.7037680
## 640	NA	NA	NA	NA	NA
## 642	2	0	1	0	3.2027464
## 644	2	0	1	0	3.1822119
## 645	2	0	1	0	3.6082115
## 649	2	0	1	0	3.6216707
## 657	1	1	0	0	2.4595888
## 662	2	0	1	0	3.3568971
## 664	1	1	0	0	2.5176964
## 667	3	0	0	1	4.1774592
## 669	2	0	1	0	3.4626060
## 670	1	1	0	0	2.9755297
## 679	3	0	0	1	4.1805224
## 683	2	0	1	0	3.5263605
## 687	3	0	0	1	4.2738843
## 688	NA	NA	NA	NA	NA
## 691	2	0	1	0	3.5835190
## 694	3	0	0	1	4.3882570
## 696	2	0	1	0	3.1484535
## 710	3	0	0	1	4.2427645
## 712	3	0	0	1	4.3579903
## 714	2	0	1	0	3.2921262
## 717	2	0	1	0	3.1738784
## 719	1	1	0	0	2.9014215
## 722	NA	NA	NA	NA	NA
## 725	NA	NA	NA	NA	NA
## 729	1	1	0	0	1.5432981
## 733	2	0	1	0	3.0349529
## 740	1	1	0	0	2.6878474
## 743	2	0	1	0	3.1311369

## 746	1	1	0	0 2.9014215
## 747	1	1	0	0 2.0122328
## 749	1	1	0	0 2.7343676
## 759	NA	NA	NA	NA NA
## 763	2	0	1	0 3.5945687
## 766	3	0	0	1 5.0304379
## 776	1	1	0	0 2.7212954
## 793	NA	NA	NA	NA NA
## 795	NA	NA	NA	NA NA
## 799	3	0	0	1 3.8394523
## 802	NA	NA	NA	NA NA
## 810	NA	NA	NA	NA NA
## 818	1	1	0	0 2.9755297
## 822	3	0	0	1 4.1075897
## 823	2	0	1	0 3.3672957
## 828	1	1	0	0 2.2502387
## 835	2	0	1	0 3.5380566
## 836	NA	NA	NA	NA NA
## 841	3	0	0	1 4.9628448
## 855	1	1	0	0 2.1365304
## 856	NA	NA	NA	NA NA
## 860	3	0	0	1 4.2890887
## 861	NA	NA	NA	NA NA
## 864	1	1	0	0 3.0252910
## 886	2	0	1	0 3.2921262
## 892	NA	NA	NA	NA NA
## 898	2	0	1	0 3.0910425
##	il6diff.1	til6diff.1	il6diff3cat.1	i_il6diff3cat1.1 i_il6diff3cat2.1
## 9	NA	NA	NA	NA NA
## 15	24.030	2	2	0 1
## 22	69.900	3	3	0 0
## 24	NA	NA	NA	NA NA
## 31	NA	NA	NA	NA NA
## 32	19.091	2	2	0 1
## 42	223.770	3	3	0 0
## 53	23.539	2	2	0 1
## 61	NA	NA	NA	NA NA
## 63	19.339	2	2	0 1
## 64	NA	NA	NA	NA NA
## 66	92.830	3	3	0 0
## 78	10.830	1	1	1 0
## 82	13.655	1	1	1 0
## 84	NA	NA	NA	NA NA
## 85	17.460	1	1	1 0
## 86	26.520	2	2	0 1
## 104	10.780	1	1	1 0
## 106	10.600	1	1	1 0
## 111	67.840	3	3	0 0
## 114	192.270	3	3	0 0
## 115	64.860	3	3	0 0
## 117	7.265	1	1	1 0
## 130	68.660	3	3	0 0
## 133	13.868	1	1	1 0
## 135	10.290	1	1	1 0

## 138	20.840	2	2	0	1
## 143	16.580	1	1	1	0
## 145	10.580	1	1	1	0
## 152	-21.540	1	1	1	0
## 153	NA	NA	NA	NA	NA
## 165	17.065	1	1	1	0
## 173	80.921	3	3	0	0
## 178	10.390	1	1	1	0
## 182	25.800	2	2	0	1
## 187	34.450	2	2	0	1
## 189	5.090	1	1	1	0
## 191	11.400	1	1	1	0
## 192	25.900	2	2	0	1
## 197	NA	NA	NA	NA	NA
## 201	69.700	3	3	0	0
## 207	2.632	1	1	1	0
## 208	9.500	1	1	1	0
## 213	58.930	3	3	0	0
## 219	NA	NA	NA	NA	NA
## 221	NA	NA	NA	NA	NA
## 235	NA	NA	NA	NA	NA
## 237	NA	NA	NA	NA	NA
## 240	NA	NA	NA	NA	NA
## 244	16.512	1	1	1	0
## 245	NA	NA	NA	NA	NA
## 247	40.426	3	3	0	0
## 253	NA	NA	NA	NA	NA
## 260	6.710	1	1	1	0
## 263	6.880	1	1	1	0
## 271	NA	NA	NA	NA	NA
## 274	NA	NA	NA	NA	NA
## 284	0.200	1	1	1	0
## 288	11.528	1	1	1	0
## 289	22.185	2	2	0	1
## 294	48.620	3	3	0	0
## 296	14.190	1	1	1	0
## 297	22.970	2	2	0	1
## 298	NA	NA	NA	NA	NA
## 300	NA	NA	NA	NA	NA
## 301	22.362	2	2	0	1
## 304	NA	NA	NA	NA	NA
## 307	60.990	3	3	0	0
## 316	53.980	3	3	0	0
## 317	NA	NA	NA	NA	NA
## 320	79.960	3	3	0	0
## 321	9.850	1	1	1	0
## 326	17.450	1	1	1	0
## 330	NA	NA	NA	NA	NA
## 333	14.870	1	1	1	0
## 334	3.174	1	1	1	0
## 337	11.780	1	1	1	0
## 338	NA	NA	NA	NA	NA
## 348	97.760	3	3	0	0
## 353	15.360	1	1	1	0

## 354	4.400	1	1	1	0
## 355	NA	NA	NA	NA	NA
## 356	71.970	3	3	0	0
## 359	NA	NA	NA	NA	NA
## 364	NA	NA	NA	NA	NA
## 369	16.600	1	1	1	0
## 378	18.640	2	2	0	1
## 381	41.100	3	3	0	0
## 386	21.530	2	2	0	1
## 388	NA	NA	NA	NA	NA
## 392	NA	NA	NA	NA	NA
## 394	NA	NA	NA	NA	NA
## 396	7.510	1	1	1	0
## 404	57.000	3	3	0	0
## 406	22.170	2	2	0	1
## 408	21.090	2	2	0	1
## 411	20.010	2	2	0	1
## 422	6.880	1	1	1	0
## 423	NA	NA	NA	NA	NA
## 426	37.681	3	3	0	0
## 452	NA	NA	NA	NA	NA
## 454	14.087	1	1	1	0
## 456	25.050	2	2	0	1
## 458	60.810	3	3	0	0
## 468	28.984	2	2	0	1
## 469	32.303	2	2	0	1
## 472	11.167	1	1	1	0
## 479	NA	NA	NA	NA	NA
## 485	15.960	1	1	1	0
## 488	11.843	1	1	1	0
## 490	NA	NA	NA	NA	NA
## 495	67.670	3	3	0	0
## 498	NA	NA	NA	NA	NA
## 501	25.600	2	2	0	1
## 502	119.680	3	3	0	0
## 506	117.910	3	3	0	0
## 515	16.800	1	1	1	0
## 517	26.980	2	2	0	1
## 525	56.160	3	3	0	0
## 526	9.960	1	1	1	0
## 533	12.740	1	1	1	0
## 556	19.736	2	2	0	1
## 561	NA	NA	NA	NA	NA
## 571	NA	NA	NA	NA	NA
## 572	72.620	3	3	0	0
## 582	18.937	2	2	0	1
## 592	128.990	3	3	0	0
## 598	NA	NA	NA	NA	NA
## 600	33.304	2	2	0	1
## 607	51.570	3	3	0	0
## 612	21.500	2	2	0	1
## 622	NA	NA	NA	NA	NA
## 627	69.960	3	3	0	0
## 630	NA	NA	NA	NA	NA

## 635	38.310	3	3	0	0
## 640	NA	NA	NA	NA	NA
## 642	NA	NA	NA	NA	NA
## 644	23.428	2	2	0	1
## 645	23.000	2	2	0	1
## 649	35.790	2	2	0	1
## 657	10.762	1	1	1	0
## 662	28.213	2	2	0	1
## 664	10.270	1	1	1	0
## 667	54.400	3	3	0	0
## 669	30.720	2	2	0	1
## 670	NA	NA	NA	NA	NA
## 679	63.510	3	3	0	0
## 683	33.435	2	2	0	1
## 687	69.480	3	3	0	0
## 688	NA	NA	NA	NA	NA
## 691	29.390	2	2	0	1
## 694	78.920	3	3	0	0
## 696	21.550	2	2	0	1
## 710	69.092	3	3	0	0
## 712	73.510	3	3	0	0
## 714	22.900	2	2	0	1
## 717	21.750	2	2	0	1
## 719	-47.500	1	1	1	0
## 722	NA	NA	NA	NA	NA
## 725	NA	NA	NA	NA	NA
## 729	2.540	1	1	1	0
## 733	19.040	2	2	0	1
## 740	8.340	1	1	1	0
## 743	19.530	2	2	0	1
## 746	NA	NA	NA	NA	NA
## 747	6.230	1	1	1	0
## 749	14.516	1	1	1	0
## 759	NA	NA	NA	NA	NA
## 763	31.000	2	2	0	1
## 766	152.103	3	3	0	0
## 776	12.380	1	1	1	0
## 793	NA	NA	NA	NA	NA
## 795	NA	NA	NA	NA	NA
## 799	45.480	3	3	0	0
## 802	NA	NA	NA	NA	NA
## 810	NA	NA	NA	NA	NA
## 818	18.867	2	2	0	1
## 822	60.417	3	3	0	0
## 823	NA	NA	NA	NA	NA
## 828	8.951	1	1	1	0
## 835	31.860	2	2	0	1
## 836	NA	NA	NA	NA	NA
## 841	NA	NA	NA	NA	NA
## 855	NA	NA	NA	NA	NA
## 856	NA	NA	NA	NA	NA
## 860	71.690	3	3	0	0
## 861	NA	NA	NA	NA	NA
## 864	19.855	2	2	0	1

## 886	25.560	2	2	0	1
## 892	NA	NA	NA	NA	NA
## 898	20.670	2	2	0	1
##	i_il6diff3cat3.1	logil6diff.1	gal30_adj.1	tgal3_0.1	gal3pre3cat.1
## 9	NA	NA	17021.000	3	3
## 15	0	3.1793032	11190.000	2	3
## 22	1	4.2470655	13661.000	3	3
## 24	NA	NA	NA	NA	NA
## 31	NA	NA	NA	NA	NA
## 32	0	2.9492171	8416.000	2	2
## 42	1	5.4106188	20248.000	3	3
## 53	0	3.1586585	13840.124	3	3
## 61	NA	NA	9614.000	2	2
## 63	0	2.9621239	22959.238	3	3
## 64	NA	NA	NA	NA	NA
## 66	1	4.5307698	5579.000	1	1
## 78	0	2.3823202	10729.000	2	3
## 82	0	2.6141057	7188.000	1	1
## 84	NA	NA	5353.200	1	1
## 85	0	2.8599124	18846.000	3	3
## 86	0	3.2778993	8208.759	2	2
## 104	0	2.3776925	17516.000	3	3
## 106	0	2.3608541	5182.000	1	1
## 111	1	4.2171521	3697.832	1	1
## 114	1	5.2589006	4940.817	1	1
## 115	1	4.1722312	16508.943	3	3
## 117	0	1.9830682	3701.000	1	1
## 130	1	4.2291670	4413.000	1	1
## 133	0	2.6295841	10590.000	2	3
## 135	0	2.3311725	15413.793	3	3
## 138	0	3.0368743	6761.528	1	1
## 143	0	2.8081973	8354.649	2	2
## 145	0	2.3589654	7580.000	1	1
## 152	0	-6.9077554	37119.000	3	3
## 153	NA	NA	8895.000	2	2
## 165	0	2.8370297	20082.281	3	3
## 173	1	4.3934731	3725.000	1	1
## 178	0	2.3408439	6402.000	1	1
## 182	0	3.2503746	10171.470	2	3
## 187	0	3.5395091	5316.242	1	1
## 189	0	1.6272779	21465.322	3	3
## 191	0	2.4336133	10382.000	2	3
## 192	0	3.2542429	6603.966	1	1
## 197	NA	NA	11317.194	2	3
## 201	1	4.2442002	8185.000	2	2
## 207	0	0.9677440	3804.818	1	1
## 208	0	2.2512918	19358.666	3	3
## 213	1	4.0763502	8229.000	2	2
## 219	NA	NA	18956.010	3	3
## 221	NA	NA	NA	NA	NA
## 235	NA	NA	11861.852	2	3
## 237	NA	NA	3369.093	1	1
## 240	NA	NA	15252.342	3	3
## 244	0	2.8040874	10103.000	2	3

## 245	NA	NA	NA	NA	NA
## 247	1	3.6994731	4700.000	1	1
## 253	NA	NA	NA	NA	NA
## 260	0	1.9035989	8844.000	2	2
## 263	0	1.9286187	4993.338	1	1
## 271	NA	NA	18878.201	3	3
## 274	NA	NA	11795.715	2	3
## 284	0	-1.6094379	4012.955	1	1
## 288	0	2.4447789	20443.000	3	3
## 289	0	3.0994163	4675.000	1	1
## 294	1	3.8840349	7743.000	1	1
## 296	0	2.6525373	5893.967	1	1
## 297	0	3.1341889	16716.000	3	3
## 298	NA	NA	20720.309	3	3
## 300	NA	NA	10157.854	2	3
## 301	0	3.1073630	18224.613	3	3
## 304	NA	NA	13834.000	3	3
## 307	1	4.1107101	17552.000	3	3
## 316	1	3.9886136	10173.415	2	3
## 317	NA	NA	28553.645	3	3
## 320	1	4.3815265	13650.000	3	3
## 321	0	2.2874715	7692.000	1	1
## 326	0	2.8593397	11691.000	2	3
## 330	NA	NA	9253.000	2	2
## 333	0	2.6993458	17676.064	3	3
## 334	0	1.1549926	12266.454	2	3
## 337	0	2.4664032	7530.000	1	1
## 338	NA	NA	123355.090	3	3
## 348	1	4.5825157	4577.000	1	1
## 353	0	2.7317667	9738.000	2	2
## 354	0	1.4816046	10917.000	2	3
## 355	NA	NA	16413.629	3	3
## 356	1	4.2762494	30327.000	3	3
## 359	NA	NA	9783.000	2	2
## 364	NA	NA	NA	NA	NA
## 369	0	2.8094027	8484.000	2	2
## 378	0	2.9253097	9415.000	2	2
## 381	1	3.7160082	8866.238	2	2
## 386	0	3.0694473	6074.000	1	1
## 388	NA	NA	3146.000	1	1
## 392	NA	NA	NA	NA	NA
## 394	NA	NA	5695.000	1	1
## 396	0	2.0162356	9910.000	2	3
## 404	1	4.0430512	5676.000	1	1
## 406	0	3.0987401	5732.515	1	1
## 408	0	3.0487990	12417.000	2	3
## 411	0	2.9962323	20814.000	3	3
## 422	0	1.9286187	27557.699	3	3
## 423	NA	NA	15649.163	3	3
## 426	1	3.6291559	3513.000	1	1
## 452	NA	NA	NA	NA	NA
## 454	0	2.6452525	9420.000	2	2
## 456	0	3.2208738	14598.753	3	3
## 458	1	4.1077542	8595.854	2	2

## 468	0	3.3667440	11189.000	2	3
## 469	0	3.4751601	9137.000	2	2
## 472	0	2.4129629	9340.000	2	2
## 479	NA	NA	5383.000	1	1
## 485	0	2.7700856	2862.000	1	1
## 488	0	2.4717369	9696.840	2	2
## 490	NA	NA	19232.229	3	3
## 495	1	4.2146430	9140.000	2	2
## 498	NA	NA	8156.000	2	2
## 501	0	3.2425923	9805.772	2	2
## 502	1	4.7848215	12147.797	2	3
## 506	1	4.7699218	5262.000	1	1
## 515	0	2.8213789	3328.000	1	1
## 517	0	3.2950959	8242.000	2	2
## 525	1	4.0282049	12042.000	2	3
## 526	0	2.2985771	27042.221	3	3
## 533	0	2.5447466	4054.000	1	1
## 556	0	2.9824443	2641.000	1	1
## 561	NA	NA	3570.000	1	1
## 571	NA	NA	10638.000	2	3
## 572	1	4.2852402	9605.000	2	2
## 582	0	2.9411178	25888.715	3	3
## 592	1	4.8597350	6931.000	1	1
## 598	NA	NA	18582.529	3	3
## 600	0	3.5056775	5182.023	1	1
## 607	1	3.9429400	11352.208	2	3
## 612	0	3.0680530	10981.000	2	3
## 622	NA	NA	5602.000	1	1
## 627	1	4.2479239	4491.475	1	1
## 630	NA	NA	3755.000	1	1
## 635	1	3.6457109	9717.000	2	2
## 640	NA	NA	17432.914	3	3
## 642	NA	NA	NA	NA	NA
## 644	0	3.1539319	17654.668	3	3
## 645	0	3.1354942	7298.000	1	1
## 649	0	3.5776687	15065.602	3	3
## 657	0	2.3760214	5980.000	1	1
## 662	0	3.3397830	5934.000	1	1
## 664	0	2.3292270	5344.000	1	1
## 667	1	3.9963641	14267.000	3	3
## 669	0	3.4249139	10540.000	2	3
## 670	NA	NA	NA	NA	NA
## 679	1	4.1511974	5135.000	1	1
## 683	0	3.5096033	9522.000	2	2
## 687	1	4.2410388	18235.000	3	3
## 688	NA	NA	26896.000	3	3
## 691	0	3.3806546	3927.000	1	1
## 694	1	4.3684344	7360.650	1	1
## 696	0	3.0703757	2762.189	1	1
## 710	1	4.2354388	9640.429	2	2
## 712	1	4.2974215	16271.000	3	3
## 714	0	3.1311369	6947.000	1	1
## 717	0	3.0796137	7396.000	1	1
## 719	0	-6.9077554	9109.389	2	2

## 722	NA	NA	NA	NA	NA
## 725	NA	NA	8823.443	2	2
## 729	0	0.9321641	2778.000	1	1
## 733	0	2.9465420	3120.000	1	1
## 740	0	2.1210632	10726.000	2	3
## 743	0	2.9719517	10369.000	2	3
## 746	NA	NA	NA	NA	NA
## 747	0	1.8293763	2566.000	1	1
## 749	0	2.6752515	13003.000	2	3
## 759	NA	NA	4511.000	1	1
## 763	0	3.4339871	5967.885	1	1
## 766	1	5.0245581	19076.000	3	3
## 776	0	2.5160823	24210.004	3	3
## 793	NA	NA	6210.000	1	1
## 795	NA	NA	13305.000	3	3
## 799	1	3.8172727	7347.034	1	1
## 802	NA	NA	23690.000	3	3
## 810	NA	NA	11821.002	2	3
## 818	0	2.9374144	9855.000	2	3
## 822	1	4.1012707	4902.000	1	1
## 823	NA	NA	NA	NA	NA
## 828	0	2.1917653	9000.000	2	2
## 835	0	3.4613514	7710.000	1	1
## 836	NA	NA	6778.000	1	1
## 841	NA	NA	NA	NA	NA
## 855	NA	NA	NA	NA	NA
## 856	NA	NA	19125.242	3	3
## 860	1	4.2723513	10882.000	2	3
## 861	NA	NA	5192.000	1	1
## 864	0	2.9884558	7727.000	1	1
## 886	0	3.2410285	3242.655	1	1
## 892	NA	NA	7462.000	1	1
## 898	0	3.0286834	5671.000	1	1
##	i_gal3pre3cat1.1	i_gal3pre3cat2.1	i_gal3pre3cat3.1	loggal30.1	gal31_adj.1
## 9	0	0	1	9.742203	NA
## 15	0	0	1	9.322776	13369.000
## 22	0	0	1	9.522301	114244.000
## 24	NA	NA	NA	NA	NA
## 31	NA	NA	NA	NA	9893.306
## 32	0	1	0	9.037890	6756.000
## 42	0	0	1	9.915812	14073.000
## 53	0	0	1	9.535327	9591.799
## 61	0	1	0	9.170976	NA
## 63	0	0	1	10.041475	31000.711
## 64	NA	NA	NA	NA	12692.453
## 66	1	0	0	8.626765	7525.000
## 78	0	0	1	9.280705	8177.000
## 82	1	0	0	8.880168	7949.000
## 84	1	0	0	8.585450	NA
## 85	0	0	1	9.844056	10310.000
## 86	0	1	0	9.012957	84690.273
## 104	0	0	1	9.770870	17509.000
## 106	1	0	0	8.552946	7407.000
## 111	1	0	0	8.215502	4230.818

## 114	1	0	0	8.505286	5022.516
## 115	0	0	1	9.711657	15341.821
## 117	1	0	0	8.216358	10660.000
## 130	1	0	0	8.392310	6331.000
## 133	0	0	1	9.267666	11863.000
## 135	0	0	1	9.643018	15781.437
## 138	1	0	0	8.819004	5617.748
## 143	0	1	0	9.030574	20191.213
## 145	1	0	0	8.933269	6926.000
## 152	0	0	1	10.521884	5942.000
## 153	0	1	0	9.093245	NA
## 165	0	0	1	9.907593	10393.223
## 173	1	0	0	8.222822	4063.000
## 178	1	0	0	8.764366	9161.000
## 182	0	0	1	9.227342	9638.484
## 187	1	0	0	8.578522	6051.528
## 189	0	0	1	9.974194	20685.295
## 191	0	0	1	9.247829	7420.000
## 192	1	0	0	8.795425	7249.774
## 197	0	0	1	9.334079	NA
## 201	0	1	0	9.010058	7575.000
## 207	1	0	0	8.244023	3845.668
## 208	0	0	1	9.870895	17946.449
## 213	0	1	0	9.015420	8281.000
## 219	0	0	1	9.849876	NA
## 221	NA	NA	NA	NA	7558.000
## 235	0	0	1	9.381082	NA
## 237	1	0	0	8.122398	NA
## 240	0	0	1	9.632488	NA
## 244	0	0	1	9.220588	8767.000
## 245	NA	NA	NA	NA	6347.000
## 247	1	0	0	8.455317	3486.000
## 253	NA	NA	NA	NA	5080.000
## 260	0	1	0	9.087495	11717.000
## 263	1	0	0	8.515860	8881.800
## 271	0	0	1	9.845763	NA
## 274	0	0	1	9.375491	NA
## 284	1	0	0	8.297283	4499.256
## 288	0	0	1	9.925396	17794.000
## 289	1	0	0	8.449985	5732.000
## 294	1	0	0	8.954544	12256.000
## 296	1	0	0	8.681684	5419.337
## 297	0	0	1	9.724122	15940.000
## 298	0	0	1	9.938869	NA
## 300	0	0	1	9.226003	NA
## 301	0	0	1	9.810529	23087.621
## 304	0	0	1	9.534885	NA
## 307	0	0	1	9.772923	11221.000
## 316	0	0	1	9.227533	9576.237
## 317	0	0	1	10.259540	NA
## 320	0	0	1	9.521495	19022.000
## 321	1	0	0	8.947936	11962.000
## 326	0	0	1	9.366574	9275.000
## 330	0	1	0	9.132703	NA

## 333	0	0	1	9.779966	16672.340
## 334	0	0	1	9.414623	15415.738
## 337	1	0	0	8.926650	10646.000
## 338	0	0	1	11.722822	NA
## 348	1	0	0	8.428799	4468.000
## 353	0	1	0	9.183791	8474.000
## 354	0	0	1	9.298077	11123.000
## 355	0	0	1	9.705868	NA
## 356	0	0	1	10.319794	28591.000
## 359	0	1	0	9.188401	NA
## 364	NA	NA	NA	NA	8349.000
## 369	0	1	0	9.045938	7898.000
## 378	0	1	0	9.150060	7834.000
## 381	0	1	0	9.090006	10348.483
## 386	1	0	0	8.711773	6121.000
## 388	1	0	0	8.053887	NA
## 392	NA	NA	NA	NA	12557.000
## 394	1	0	0	8.647344	NA
## 396	0	0	1	9.201300	11015.000
## 404	1	0	0	8.644002	6402.000
## 406	1	0	0	8.653910	6226.597
## 408	0	0	1	9.426822	12147.000
## 411	0	0	1	9.943381	3402.000
## 422	0	0	1	10.224037	28005.096
## 423	0	0	1	9.658173	NA
## 426	1	0	0	8.164226	5730.000
## 452	NA	NA	NA	NA	NA
## 454	0	1	0	9.150590	7102.000
## 456	0	0	1	9.588692	11243.277
## 458	0	1	0	9.059035	10863.962
## 468	0	0	1	9.322686	11144.000
## 469	0	1	0	9.120088	6345.000
## 472	0	1	0	9.142061	9478.000
## 479	1	0	0	8.591002	NA
## 485	1	0	0	7.959276	2998.000
## 488	0	1	0	9.179555	13667.001
## 490	0	0	1	9.864343	NA
## 495	0	1	0	9.120416	7242.000
## 498	0	1	0	9.006509	NA
## 501	0	1	0	9.190726	10951.496
## 502	0	0	1	9.404903	10823.113
## 506	1	0	0	8.568267	5632.000
## 515	1	0	0	8.110126	3952.000
## 517	0	1	0	9.016998	8438.000
## 525	0	0	1	9.396155	15130.000
## 526	0	0	1	10.205154	16841.572
## 533	1	0	0	8.307459	3735.000
## 556	1	0	0	7.878913	2034.000
## 561	1	0	0	8.180321	NA
## 571	0	0	1	9.272188	NA
## 572	0	1	0	9.170039	3696.000
## 582	0	0	1	10.161562	21854.363
## 592	1	0	0	8.843760	9191.000
## 598	0	0	1	9.829977	NA

## 600	1	0	0	8.552951	3859.284
## 607	0	0	1	9.337168	12612.700
## 612	0	0	1	9.303922	11431.000
## 622	1	0	0	8.630879	NA
## 627	1	0	0	8.409937	8457.745
## 630	1	0	0	8.230844	NA
## 635	0	1	0	9.181632	12182.000
## 640	0	0	1	9.766115	NA
## 642	NA	NA	NA	NA	19518.000
## 644	0	0	1	9.778755	21391.404
## 645	1	0	0	8.895355	9145.000
## 649	0	0	1	9.620170	18878.201
## 657	1	0	0	8.696176	4857.000
## 662	1	0	0	8.688454	9706.000
## 664	1	0	0	8.583730	6903.000
## 667	0	0	1	9.565704	12244.000
## 669	0	0	1	9.262933	16591.000
## 670	NA	NA	NA	NA	15665.000
## 679	1	0	0	8.543835	5016.000
## 683	0	1	0	9.161360	7110.000
## 687	0	0	1	9.811098	13005.000
## 688	0	0	1	10.199733	NA
## 691	1	0	0	8.275631	2833.000
## 694	1	0	0	8.903904	9416.730
## 696	1	0	0	7.923779	6113.775
## 710	0	1	0	9.173721	7948.102
## 712	0	0	1	9.697140	28851.000
## 714	1	0	0	8.846065	6124.000
## 717	1	0	0	8.908694	6305.000
## 719	0	1	0	9.117061	11661.496
## 722	NA	NA	NA	NA	NA
## 725	0	1	0	9.085168	NA
## 729	1	0	0	7.929487	2591.000
## 733	1	0	0	8.045588	3412.000
## 740	0	0	1	9.280426	11006.000
## 743	0	0	1	9.246576	10825.000
## 746	NA	NA	NA	NA	11741.000
## 747	1	0	0	7.850103	2678.000
## 749	0	0	1	9.472936	13040.000
## 759	1	0	0	8.414274	NA
## 763	1	0	0	8.694148	13513.329
## 766	0	0	1	9.856186	18029.000
## 776	0	0	1	10.094522	20039.488
## 793	1	0	0	8.733916	NA
## 795	0	0	1	9.495895	NA
## 799	1	0	0	8.902052	7743.855
## 802	0	0	1	10.072808	NA
## 810	0	0	1	9.377633	NA
## 818	0	0	1	9.195734	7060.000
## 822	1	0	0	8.497398	5799.000
## 823	NA	NA	NA	NA	14882.000
## 828	0	1	0	9.104980	6825.000
## 835	1	0	0	8.950273	25530.000
## 836	1	0	0	8.821437	NA

## 841	NA	NA	NA	NA	7862.000
## 855	NA	NA	NA	NA	8007.000
## 856	0	0	1	9.858765	NA
## 860	0	0	1	9.294866	11482.000
## 861	1	0	0	8.554874	NA
## 864	1	0	0	8.952476	8475.000
## 886	1	0	0	8.084148	3793.147
## 892	1	0	0	8.917579	NA
## 898	1	0	0	8.643121	4589.000
##	tg3_1.1	gal3post3cat.1	i_gal3post3cat1.1	i_gal3post3cat2.1	
## 9	NA	NA	NA	NA	
## 15	3	3	0	0	
## 22	3	3	0	0	
## 24	NA	NA	NA	NA	
## 31	2	2	0	1	
## 32	1	1	1	0	
## 42	3	3	0	0	
## 53	2	2	0	1	
## 61	NA	NA	NA	NA	
## 63	3	3	0	0	
## 64	2	2	0	1	
## 66	1	1	1	0	
## 78	1	1	1	0	
## 82	1	1	1	0	
## 84	NA	NA	NA	NA	
## 85	2	2	0	1	
## 86	3	3	0	0	
## 104	3	3	0	0	
## 106	1	1	1	0	
## 111	1	1	1	0	
## 114	1	1	1	0	
## 115	3	3	0	0	
## 117	2	2	0	1	
## 130	1	1	1	0	
## 133	2	2	0	1	
## 135	3	3	0	0	
## 138	1	1	1	0	
## 143	3	3	0	0	
## 145	1	1	1	0	
## 152	1	1	1	0	
## 153	NA	NA	NA	NA	
## 165	2	2	0	1	
## 173	1	1	1	0	
## 178	2	2	0	1	
## 182	2	2	0	1	
## 187	1	1	1	0	
## 189	3	3	0	0	
## 191	1	1	1	0	
## 192	1	1	1	0	
## 197	NA	NA	NA	NA	
## 201	1	1	1	0	
## 207	1	1	1	0	
## 208	3	3	0	0	
## 213	2	2	0	1	

## 219	NA	NA	NA	NA
## 221	1	1	1	0
## 235	NA	NA	NA	NA
## 237	NA	NA	NA	NA
## 240	NA	NA	NA	NA
## 244	2	2	0	1
## 245	1	1	1	0
## 247	1	1	1	0
## 253	1	1	1	0
## 260	2	2	0	1
## 263	2	2	0	1
## 271	NA	NA	NA	NA
## 274	NA	NA	NA	NA
## 284	1	1	1	0
## 288	3	3	0	0
## 289	1	1	1	0
## 294	2	2	0	1
## 296	1	1	1	0
## 297	3	3	0	0
## 298	NA	NA	NA	NA
## 300	NA	NA	NA	NA
## 301	3	3	0	0
## 304	NA	NA	NA	NA
## 307	2	2	0	1
## 316	2	2	0	1
## 317	NA	NA	NA	NA
## 320	3	3	0	0
## 321	2	2	0	1
## 326	2	2	0	1
## 330	NA	NA	NA	NA
## 333	3	3	0	0
## 334	3	3	0	0
## 337	2	2	0	1
## 338	NA	NA	NA	NA
## 348	1	1	1	0
## 353	2	2	0	1
## 354	2	2	0	1
## 355	NA	NA	NA	NA
## 356	3	3	0	0
## 359	NA	NA	NA	NA
## 364	2	2	0	1
## 369	1	1	1	0
## 378	1	1	1	0
## 381	2	2	0	1
## 386	1	1	1	0
## 388	NA	NA	NA	NA
## 392	2	2	0	1
## 394	NA	NA	NA	NA
## 396	2	2	0	1
## 404	1	1	1	0
## 406	1	1	1	0
## 408	2	2	0	1
## 411	1	1	1	0
## 422	3	3	0	0

## 423	NA	NA	NA	NA
## 426	1	1	1	0
## 452	NA	NA	NA	NA
## 454	1	1	1	0
## 456	2	2	0	1
## 458	2	2	0	1
## 468	2	2	0	1
## 469	1	1	1	0
## 472	2	2	0	1
## 479	NA	NA	NA	NA
## 485	1	1	1	0
## 488	3	3	0	0
## 490	NA	NA	NA	NA
## 495	1	1	1	0
## 498	NA	NA	NA	NA
## 501	2	2	0	1
## 502	2	2	0	1
## 506	1	1	1	0
## 515	1	1	1	0
## 517	2	2	0	1
## 525	3	3	0	0
## 526	3	3	0	0
## 533	1	1	1	0
## 556	1	1	1	0
## 561	NA	NA	NA	NA
## 571	NA	NA	NA	NA
## 572	1	1	1	0
## 582	3	3	0	0
## 592	2	2	0	1
## 598	NA	NA	NA	NA
## 600	1	1	1	0
## 607	2	2	0	1
## 612	2	2	0	1
## 622	NA	NA	NA	NA
## 627	2	2	0	1
## 630	NA	NA	NA	NA
## 635	2	2	0	1
## 640	NA	NA	NA	NA
## 642	3	3	0	0
## 644	3	3	0	0
## 645	2	2	0	1
## 649	3	3	0	0
## 657	1	1	1	0
## 662	2	2	0	1
## 664	1	1	1	0
## 667	2	2	0	1
## 669	3	3	0	0
## 670	3	3	0	0
## 679	1	1	1	0
## 683	1	1	1	0
## 687	2	2	0	1
## 688	NA	NA	NA	NA
## 691	1	1	1	0
## 694	2	2	0	1

## 696	1	1	1	0	
## 710	1	1	1	0	
## 712	3	3	0	0	
## 714	1	1	1	0	
## 717	1	1	1	0	
## 719	2	2	0	1	
## 722	NA	NA	NA	NA	
## 725	NA	NA	NA	NA	
## 729	1	1	1	0	
## 733	1	1	1	0	
## 740	2	2	0	1	
## 743	2	2	0	1	
## 746	2	2	0	1	
## 747	1	1	1	0	
## 749	2	2	0	1	
## 759	NA	NA	NA	NA	
## 763	3	3	0	0	
## 766	3	3	0	0	
## 776	3	3	0	0	
## 793	NA	NA	NA	NA	
## 795	NA	NA	NA	NA	
## 799	1	1	1	0	
## 802	NA	NA	NA	NA	
## 810	NA	NA	NA	NA	
## 818	1	1	1	0	
## 822	1	1	1	0	
## 823	3	3	0	0	
## 828	1	1	1	0	
## 835	3	3	0	0	
## 836	NA	NA	NA	NA	
## 841	1	1	1	0	
## 855	1	1	1	0	
## 856	NA	NA	NA	NA	
## 860	2	2	0	1	
## 861	NA	NA	NA	NA	
## 864	2	2	0	1	
## 886	1	1	1	0	
## 892	NA	NA	NA	NA	
## 898	1	1	1	0	
##	i_gal3post3cat3.1	loggal31.1	gal3diff.1	tgal3diff.1	gal3diff3cat.1
## 9	NA	NA	NA	NA	NA
## 15	1	9.500694	2179.00000	3	3
## 22	1	11.646091	100583.00000	3	3
## 24	NA	NA	NA	NA	NA
## 31	0	9.199614	NA	NA	NA
## 32	0	8.818186	-1660.00000	1	1
## 42	1	9.552013	-6175.00000	1	1
## 53	0	9.168664	-4248.32520	1	1
## 61	NA	NA	NA	NA	NA
## 63	1	10.341765	8041.47270	3	3
## 64	0	9.448763	NA	NA	NA
## 66	0	8.925986	1946.00000	3	3
## 78	0	9.009081	-2552.00000	1	1
## 82	0	8.980802	761.00000	2	2

## 84	NA	NA	NA	NA	NA
## 85	0	9.240870	-8536.00000	1	1
## 86	1	11.346756	76481.51600	3	3
## 104	1	9.770471	-7.00000	2	2
## 106	0	8.910181	2225.00000	3	3
## 111	0	8.350151	532.98584	2	2
## 114	0	8.521687	81.69824	2	2
## 115	1	9.638338	-1167.12210	1	1
## 117	0	9.274254	6959.00000	3	3
## 130	0	8.753214	1918.00000	3	3
## 133	0	9.381180	1273.00000	2	2
## 135	1	9.666590	367.64355	2	2
## 138	0	8.633686	-1143.77980	1	1
## 143	1	9.913003	11836.56300	3	3
## 145	0	8.843038	-654.00000	2	2
## 152	0	8.689801	-31177.00000	1	1
## 153	NA	NA	NA	NA	NA
## 165	0	9.248909	-9689.05860	1	1
## 173	0	8.309677	338.00000	2	2
## 178	0	9.122710	2759.00000	3	3
## 182	0	9.173519	-532.98535	2	2
## 187	0	8.708066	735.28662	2	2
## 189	1	9.937179	-780.02734	1	1
## 191	0	8.911934	-2962.00000	1	1
## 192	0	8.888725	645.80762	2	2
## 197	NA	NA	NA	NA	NA
## 201	0	8.932609	-610.00000	2	2
## 207	0	8.254703	40.84912	2	2
## 208	1	9.795148	-1412.21680	1	1
## 213	0	9.021719	52.00000	2	2
## 219	NA	NA	NA	NA	NA
## 221	0	8.930362	NA	NA	NA
## 235	NA	NA	NA	NA	NA
## 237	NA	NA	NA	NA	NA
## 240	NA	NA	NA	NA	NA
## 244	0	9.078750	-1336.00000	1	1
## 245	0	8.755737	NA	NA	NA
## 247	0	8.156510	-1214.00000	1	1
## 253	0	8.533067	NA	NA	NA
## 260	0	9.368796	2873.00000	3	3
## 263	0	9.091760	3888.46190	3	3
## 271	NA	NA	NA	NA	NA
## 274	NA	NA	NA	NA	NA
## 284	0	8.411667	486.30078	2	2
## 288	1	9.786616	-2649.00000	1	1
## 289	0	8.653820	1057.00000	2	2
## 294	0	9.413771	4513.00000	3	3
## 296	0	8.597729	-474.62939	2	2
## 297	1	9.676587	-776.00000	1	1
## 298	NA	NA	NA	NA	NA
## 300	NA	NA	NA	NA	NA
## 301	1	10.047051	4863.00780	3	3
## 304	NA	NA	NA	NA	NA
## 307	0	9.325542	-6331.00000	1	1

## 316	0	9.167040	-597.17773	2	2
## 317	NA	NA	NA	NA	NA
## 320	1	9.853352	5372.00000	3	3
## 321	0	9.389490	4270.00000	3	3
## 326	0	9.135077	-2416.00000	1	1
## 330	NA	NA	NA	NA	NA
## 333	1	9.721506	-1003.72460	1	1
## 334	1	9.643145	3149.28420	3	3
## 337	0	9.272940	3116.00000	3	3
## 338	NA	NA	NA	NA	NA
## 348	0	8.404697	-109.00000	2	2
## 353	0	9.044758	-1264.00000	1	1
## 354	0	9.316771	206.00000	2	2
## 355	NA	NA	NA	NA	NA
## 356	1	10.260847	-1736.00000	1	1
## 359	NA	NA	NA	NA	NA
## 364	0	9.029897	NA	NA	NA
## 369	0	8.974365	-586.00000	2	2
## 378	0	8.966228	-1581.00000	1	1
## 381	0	9.244596	1482.24510	3	2
## 386	0	8.719480	47.00000	2	2
## 388	NA	NA	NA	NA	NA
## 392	0	9.438033	NA	NA	NA
## 394	NA	NA	NA	NA	NA
## 396	0	9.307014	1105.00000	2	2
## 404	0	8.764366	726.00000	2	2
## 406	0	8.736586	494.08154	2	2
## 408	0	9.404838	-270.00000	2	2
## 411	0	8.132119	-17412.00000	1	1
## 422	1	10.240142	447.39648	2	2
## 423	NA	NA	NA	NA	NA
## 426	0	8.653471	2217.00000	3	3
## 452	NA	NA	NA	NA	NA
## 454	0	8.868132	-2318.00000	1	1
## 456	0	9.327526	-3355.47560	1	1
## 458	0	9.293206	2268.10740	3	3
## 468	0	9.318657	-45.00000	2	2
## 469	0	8.755423	-2792.00000	1	1
## 472	0	9.156729	138.00000	2	2
## 479	NA	NA	NA	NA	NA
## 485	0	8.005701	136.00000	2	2
## 488	1	9.522739	3970.16110	3	3
## 490	NA	NA	NA	NA	NA
## 495	0	8.887652	-1898.00000	1	1
## 498	NA	NA	NA	NA	NA
## 501	0	9.301231	1145.72460	2	2
## 502	0	9.289439	-1324.68360	1	1
## 506	0	8.636220	370.00000	2	2
## 515	0	8.281977	624.00000	2	2
## 517	0	9.040501	196.00000	2	2
## 525	1	9.624434	3088.00000	3	3
## 526	1	9.731606	-10200.64800	1	1
## 533	0	8.225503	-319.00000	2	2
## 556	0	7.617760	-607.00000	2	2

## 561	NA	NA	NA	NA	NA
## 571	NA	NA	NA	NA	NA
## 572	0	8.215007	-5909.00000	1	1
## 582	1	9.992156	-4034.35160	1	1
## 592	0	9.125980	2260.00000	3	3
## 598	NA	NA	NA	NA	NA
## 600	0	8.258237	-1322.73850	1	1
## 607	0	9.442459	1260.49220	2	2
## 612	0	9.344084	450.00000	2	2
## 622	NA	NA	NA	NA	NA
## 627	0	9.042838	3966.27000	3	3
## 630	NA	NA	NA	NA	NA
## 635	0	9.407715	2465.00000	3	3
## 640	NA	NA	NA	NA	NA
## 642	1	9.879092	NA	NA	NA
## 644	1	9.970744	3736.73630	3	3
## 645	0	9.120962	1847.00000	3	3
## 649	1	9.845763	3812.59960	3	3
## 657	0	8.488176	-1123.00000	1	1
## 662	0	9.180499	3772.00000	3	3
## 664	0	8.839711	1559.00000	3	3
## 667	0	9.412791	-2023.00000	1	1
## 669	1	9.716616	6051.00000	3	3
## 670	1	9.659185	NA	NA	NA
## 679	0	8.520388	-119.00000	2	2
## 683	0	8.869258	-2412.00000	1	1
## 687	0	9.473089	-5230.00000	1	1
## 688	NA	NA	NA	NA	NA
## 691	0	7.949091	-1094.00000	1	1
## 694	0	9.150243	2056.08010	3	3
## 696	0	8.718300	3351.58570	3	3
## 710	0	8.980688	-1692.32670	1	1
## 712	1	10.269900	12580.00000	3	3
## 714	0	8.719971	-823.00000	1	1
## 717	0	8.749098	-1091.00000	1	1
## 719	0	9.364048	2552.10740	3	3
## 722	NA	NA	NA	NA	NA
## 725	NA	NA	NA	NA	NA
## 729	0	7.859799	-187.00000	2	2
## 733	0	8.135054	292.00000	2	2
## 740	0	9.306196	280.00000	2	2
## 743	0	9.289614	456.00000	2	2
## 746	0	9.370842	NA	NA	NA
## 747	0	7.892826	112.00000	2	2
## 749	0	9.475777	37.00000	2	2
## 759	NA	NA	NA	NA	NA
## 763	1	9.511432	7545.44430	3	3
## 766	1	9.799737	-1047.00000	1	1
## 776	1	9.905460	-4170.51560	1	1
## 793	NA	NA	NA	NA	NA
## 795	NA	NA	NA	NA	NA
## 799	0	8.954655	396.82129	2	2
## 802	NA	NA	NA	NA	NA
## 810	NA	NA	NA	NA	NA

## 818	0	8.862201	-2795.00000	1	1
## 822	0	8.665441	897.00000	2	2
## 823	1	9.607907	NA	NA	NA
## 828	0	8.828347	-2175.00000	1	1
## 835	1	10.147610	17820.00000	3	3
## 836	NA	NA	NA	NA	NA
## 841	0	8.969796	NA	NA	NA
## 855	0	8.988071	NA	NA	NA
## 856	NA	NA	NA	NA	NA
## 860	0	9.348536	600.00000	2	2
## 861	NA	NA	NA	NA	NA
## 864	0	9.044876	748.00000	2	2
## 886	0	8.240951	550.49243	2	2
## 892	NA	NA	NA	NA	NA
## 898	0	8.431418	-1082.00000	1	1
##	i_gal3diff3cat1.1	i_gal3diff3cat2.1	i_gal3diff3cat3.1	loggal3diff.1	
## 9	NA	NA	NA	NA	
## 15	0	0	1	7.686621	
## 22	0	0	1	11.518739	
## 24	NA	NA	NA	NA	
## 31	NA	NA	NA	NA	
## 32	1	0	0	-6.907755	
## 42	1	0	0	-6.907755	
## 53	1	0	0	-6.907755	
## 61	NA	NA	NA	NA	
## 63	0	0	1	8.992368	
## 64	NA	NA	NA	NA	
## 66	0	0	1	7.573531	
## 78	1	0	0	-6.907755	
## 82	0	1	0	6.634633	
## 84	NA	NA	NA	NA	
## 85	1	0	0	-6.907755	
## 86	0	0	1	11.244804	
## 104	0	1	0	-6.907755	
## 106	0	0	1	7.707512	
## 111	0	1	0	6.278495	
## 114	0	1	0	4.403032	
## 115	1	0	0	-6.907755	
## 117	0	0	1	8.847791	
## 130	0	0	1	7.559038	
## 133	0	1	0	7.149132	
## 135	0	1	0	5.907114	
## 138	1	0	0	-6.907755	
## 143	0	0	1	9.378948	
## 145	0	1	0	-6.907755	
## 152	1	0	0	-6.907755	
## 153	NA	NA	NA	NA	
## 165	1	0	0	-6.907755	
## 173	0	1	0	5.823046	
## 178	0	0	1	7.922624	
## 182	0	1	0	-6.907755	
## 187	0	1	0	6.600260	
## 189	1	0	0	-6.907755	
## 191	1	0	0	-6.907755	

## 192	0	1	0	6.470501
## 197	NA	NA	NA	NA
## 201	0	1	0	-6.907755
## 207	0	1	0	3.709885
## 208	1	0	0	-6.907755
## 213	0	1	0	3.951244
## 219	NA	NA	NA	NA
## 221	NA	NA	NA	NA
## 235	NA	NA	NA	NA
## 237	NA	NA	NA	NA
## 240	NA	NA	NA	NA
## 244	1	0	0	-6.907755
## 245	NA	NA	NA	NA
## 247	1	0	0	-6.907755
## 253	NA	NA	NA	NA
## 260	0	0	1	7.963112
## 263	0	0	1	8.265769
## 271	NA	NA	NA	NA
## 274	NA	NA	NA	NA
## 284	0	1	0	6.186827
## 288	1	0	0	-6.907755
## 289	0	1	0	6.963190
## 294	0	0	1	8.414718
## 296	0	1	0	-6.907755
## 297	1	0	0	-6.907755
## 298	NA	NA	NA	NA
## 300	NA	NA	NA	NA
## 301	0	0	1	8.489412
## 304	NA	NA	NA	NA
## 307	1	0	0	-6.907755
## 316	0	1	0	-6.907755
## 317	NA	NA	NA	NA
## 320	0	0	1	8.588956
## 321	0	0	1	8.359369
## 326	1	0	0	-6.907755
## 330	NA	NA	NA	NA
## 333	1	0	0	-6.907755
## 334	0	0	1	8.054931
## 337	0	0	1	8.044306
## 338	NA	NA	NA	NA
## 348	0	1	0	-6.907755
## 353	1	0	0	-6.907755
## 354	0	1	0	5.327876
## 355	NA	NA	NA	NA
## 356	1	0	0	-6.907755
## 359	NA	NA	NA	NA
## 364	NA	NA	NA	NA
## 369	0	1	0	-6.907755
## 378	1	0	0	-6.907755
## 381	0	1	0	7.301313
## 386	0	1	0	3.850147
## 388	NA	NA	NA	NA
## 392	NA	NA	NA	NA
## 394	NA	NA	NA	NA

## 396	0	1	0	7.007601
## 404	0	1	0	6.587550
## 406	0	1	0	6.202701
## 408	0	1	0	-6.907755
## 411	1	0	0	-6.907755
## 422	0	1	0	6.103445
## 423	NA	NA	NA	NA
## 426	0	0	1	7.703910
## 452	NA	NA	NA	NA
## 454	1	0	0	-6.907755
## 456	1	0	0	-6.907755
## 458	0	0	1	7.726701
## 468	0	1	0	-6.907755
## 469	1	0	0	-6.907755
## 472	0	1	0	4.927254
## 479	NA	NA	NA	NA
## 485	0	1	0	4.912655
## 488	0	0	1	8.286562
## 490	NA	NA	NA	NA
## 495	1	0	0	-6.907755
## 498	NA	NA	NA	NA
## 501	0	1	0	7.043793
## 502	1	0	0	-6.907755
## 506	0	1	0	5.913503
## 515	0	1	0	6.436151
## 517	0	1	0	5.278115
## 525	0	0	1	8.035279
## 526	1	0	0	-6.907755
## 533	0	1	0	-6.907755
## 556	0	1	0	-6.907755
## 561	NA	NA	NA	NA
## 571	NA	NA	NA	NA
## 572	1	0	0	-6.907755
## 582	1	0	0	-6.907755
## 592	0	0	1	7.723120
## 598	NA	NA	NA	NA
## 600	1	0	0	-6.907755
## 607	0	1	0	7.139257
## 612	0	1	0	6.109248
## 622	NA	NA	NA	NA
## 627	0	0	1	8.285582
## 630	NA	NA	NA	NA
## 635	0	0	1	7.809947
## 640	NA	NA	NA	NA
## 642	NA	NA	NA	NA
## 644	0	0	1	8.225967
## 645	0	0	1	7.521318
## 649	0	0	1	8.246066
## 657	1	0	0	-6.907755
## 662	0	0	1	8.235361
## 664	0	0	1	7.351800
## 667	1	0	0	-6.907755
## 669	0	0	1	8.707979
## 670	NA	NA	NA	NA

## 679	0	1	0	-6.907755	
## 683	1	0	0	-6.907755	
## 687	1	0	0	-6.907755	
## 688	NA	NA	NA	NA	
## 691	1	0	0	-6.907755	
## 694	0	0	1	7.628557	
## 696	0	0	1	8.117188	
## 710	1	0	0	-6.907755	
## 712	0	0	1	9.439863	
## 714	1	0	0	-6.907755	
## 717	1	0	0	-6.907755	
## 719	0	0	1	7.844675	
## 722	NA	NA	NA	NA	
## 725	NA	NA	NA	NA	
## 729	0	1	0	-6.907755	
## 733	0	1	0	5.676754	
## 740	0	1	0	5.634790	
## 743	0	1	0	6.122493	
## 746	NA	NA	NA	NA	
## 747	0	1	0	4.718499	
## 749	0	1	0	3.610918	
## 759	NA	NA	NA	NA	
## 763	0	0	1	8.928700	
## 766	1	0	0	-6.907755	
## 776	1	0	0	-6.907755	
## 793	NA	NA	NA	NA	
## 795	NA	NA	NA	NA	
## 799	0	1	0	5.983486	
## 802	NA	NA	NA	NA	
## 810	NA	NA	NA	NA	
## 818	1	0	0	-6.907755	
## 822	0	1	0	6.799056	
## 823	NA	NA	NA	NA	
## 828	1	0	0	-6.907755	
## 835	0	0	1	9.788076	
## 836	NA	NA	NA	NA	
## 841	NA	NA	NA	NA	
## 855	NA	NA	NA	NA	
## 856	NA	NA	NA	NA	
## 860	0	1	0	6.396930	
## 861	NA	NA	NA	NA	
## 864	0	1	0	6.617403	
## 886	0	1	0	6.310813	
## 892	NA	NA	NA	NA	
## 898	1	0	0	-6.907755	
##	ntpro0_adj.1	tntbnp_0.1	ntbnppre3cat.1	i_ntbnppre3cat1.1	i_ntbnppre3cat2.1
## 9	18996.0000	3	3	0	0
## 15	2097.0000	2	2	0	1
## 22	3551.0000	2	2	0	1
## 24	NA	NA	NA	NA	NA
## 31	NA	NA	NA	NA	NA
## 32	4462.0000	2	2	0	1
## 42	1091.0000	1	1	1	0
## 53	1953.4491	2	2	0	1

## 61	9728.0000	3	3	0	0
## 63	94368.4920	3	3	0	0
## 64	NA	NA	NA	NA	NA
## 66	17809.0000	3	3	0	0
## 78	1692.0000	2	2	0	1
## 82	1296.0000	1	1	1	0
## 84	528.3296	1	1	1	0
## 85	748.0000	1	1	1	0
## 86	1423.5970	1	1	1	0
## 104	5613.0000	3	3	0	0
## 106	921.0000	1	1	1	0
## 111	5871.0054	3	3	0	0
## 114	1720.4969	2	2	0	1
## 115	8766.9219	3	3	0	0
## 117	474.0000	1	1	1	0
## 130	509.0000	1	1	1	0
## 133	1139.0000	1	1	1	0
## 135	5960.8364	3	3	0	0
## 138	63289.9260	3	3	0	0
## 143	1179.9868	1	1	1	0
## 145	1545.0000	1	1	1	0
## 152	12605.0000	3	3	0	0
## 153	1665.0000	2	2	0	1
## 165	639.4768	1	1	1	0
## 173	401.0000	1	1	1	0
## 178	428.0000	1	1	1	0
## 182	4296.6748	2	2	0	1
## 187	4642.2964	2	2	0	1
## 189	1469.2739	1	1	1	0
## 191	6876.0000	3	3	0	0
## 192	9343.9727	3	3	0	0
## 197	1977.8102	2	2	0	1
## 201	8433.0000	3	3	0	0
## 207	1871.2307	2	2	0	1
## 208	1553.0149	1	1	1	0
## 213	2027.0000	2	2	0	1
## 219	557.2583	1	1	1	0
## 221	NA	NA	NA	NA	NA
## 235	1248.5022	1	1	1	0
## 237	15595.6190	3	3	0	0
## 240	444.5886	1	1	1	0
## 244	3832.0000	2	2	0	1
## 245	NA	NA	NA	NA	NA
## 247	2099.0000	2	2	0	1
## 253	NA	NA	NA	NA	NA
## 260	530.0000	1	1	1	0
## 263	12833.6880	3	3	0	0
## 271	301.4676	1	1	1	0
## 274	6638.3774	3	3	0	0
## 284	2040.2352	2	2	0	1
## 288	9816.0000	3	3	0	0
## 289	1017.0000	1	1	1	0
## 294	6093.0000	3	3	0	0
## 296	1467.7513	1	1	1	0

## 297	927.0000	1	1	1	0
## 298	3882.5374	2	2	0	1
## 300	538.9876	1	1	1	0
## 301	4674.2705	2	2	0	1
## 304	50104.0000	3	3	0	0
## 307	889.0000	1	1	1	0
## 316	2248.8264	2	2	0	1
## 317	7420.9751	3	3	0	0
## 320	16052.0000	3	3	0	0
## 321	37426.0000	3	3	0	0
## 326	1488.0000	1	1	1	0
## 330	7058.0000	3	3	0	0
## 333	1790.5348	2	2	0	1
## 334	1589.5564	2	2	0	1
## 337	4855.0000	3	3	0	0
## 338	1530.1764	1	1	1	0
## 348	704.0000	1	1	1	0
## 353	1762.0000	2	2	0	1
## 354	1959.0000	2	2	0	1
## 355	128592.6800	3	3	0	0
## 356	20858.0000	3	3	0	0
## 359	175.0000	1	1	1	0
## 364	NA	NA	NA	NA	NA
## 369	1290.0000	1	1	1	0
## 378	3947.0000	2	2	0	1
## 381	4349.9644	2	2	0	1
## 386	1384.0000	1	1	1	0
## 388	237.0000	1	1	1	0
## 392	NA	NA	NA	NA	NA
## 394	6459.0000	3	3	0	0
## 396	1219.0000	1	1	1	0
## 404	3176.0000	2	2	0	1
## 406	1262.2052	1	1	1	0
## 408	4830.0000	3	3	0	0
## 411	1550.0000	1	1	1	0
## 422	12701.2260	3	3	0	0
## 423	4404.7764	2	2	0	1
## 426	238.0000	1	1	1	0
## 452	NA	NA	NA	NA	NA
## 454	431.0000	1	1	1	0
## 456	854.1582	1	1	1	0
## 458	1511.9056	1	1	1	0
## 468	1190.0000	1	1	1	0
## 469	1515.0000	1	1	1	0
## 472	2069.0000	2	2	0	1
## 479	667.0000	1	1	1	0
## 485	485.0000	1	1	1	0
## 488	13397.0370	3	3	0	0
## 490	2311.2517	2	2	0	1
## 495	7503.0000	3	3	0	0
## 498	291.0000	1	1	1	0
## 501	4199.2305	2	2	0	1
## 502	3300.9180	2	2	0	1
## 506	1609.0000	2	2	0	1

## 515	7562.0000	3	3	0	0
## 517	5948.0000	3	3	0	0
## 525	746.0000	1	1	1	0
## 526	357574.0600	3	3	0	0
## 533	2430.0000	2	2	0	1
## 556	1161.0000	1	1	1	0
## 561	1252.0000	1	1	1	0
## 571	771.0000	1	1	1	0
## 572	407.0000	1	1	1	0
## 582	7652.4048	3	3	0	0
## 592	6544.0000	3	3	0	0
## 598	770.4172	1	1	1	0
## 600	2145.2922	2	2	0	1
## 607	331.9189	1	1	1	0
## 612	3091.0000	2	2	0	1
## 622	5550.0000	3	3	0	0
## 627	21258.0330	3	3	0	0
## 630	4746.0000	3	2	0	1
## 635	2369.0000	2	2	0	1
## 640	817.6167	1	1	1	0
## 642	NA	NA	NA	NA	NA
## 644	2889.8257	2	2	0	1
## 645	9673.0000	3	3	0	0
## 649	1303.3145	1	1	1	0
## 657	672.0000	1	1	1	0
## 662	700.0000	1	1	1	0
## 664	2415.0000	2	2	0	1
## 667	4431.0000	2	2	0	1
## 669	15397.0000	3	3	0	0
## 670	NA	NA	NA	NA	NA
## 679	2670.0000	2	2	0	1
## 683	322.0000	1	1	1	0
## 687	718.0000	1	1	1	0
## 688	3515.0000	2	2	0	1
## 691	9680.0000	3	3	0	0
## 694	27474.6600	3	3	0	0
## 696	6041.5327	3	3	0	0
## 710	1050.5688	1	1	1	0
## 712	42090.0000	3	3	0	0
## 714	28977.0000	3	3	0	0
## 717	11118.0000	3	3	0	0
## 719	29840.7250	3	3	0	0
## 722	NA	NA	NA	NA	NA
## 725	2195.5369	2	2	0	1
## 729	1572.0000	2	2	0	1
## 733	2426.0000	2	2	0	1
## 740	1691.0000	2	2	0	1
## 743	1831.0000	2	2	0	1
## 746	NA	NA	NA	NA	NA
## 747	1135.0000	1	1	1	0
## 749	1979.0000	2	2	0	1
## 759	1045.0000	1	1	1	0
## 763	3049.6951	2	2	0	1
## 766	19366.0000	3	3	0	0

## 776	4680.3608	2	2	0	1
## 793	1349.0000	1	1	1	0
## 795	4731.0000	3	2	0	1
## 799	417.1824	1	1	1	0
## 802	1873.0000	2	2	0	1
## 810	290.8097	1	1	1	0
## 818	1146.0000	1	1	1	0
## 822	1565.0000	2	1	1	0
## 823	NA	NA	NA	NA	NA
## 828	1109.0000	1	1	1	0
## 835	1451.0000	1	1	1	0
## 836	3298.0000	2	2	0	1
## 841	NA	NA	NA	NA	NA
## 855	NA	NA	NA	NA	NA
## 856	4033.2710	2	2	0	1
## 860	3016.0000	2	2	0	1
## 861	21623.0000	3	3	0	0
## 864	2477.0000	2	2	0	1
## 886	2547.2490	2	2	0	1
## 892	1566.0000	2	1	1	0
## 898	1081.0000	1	1	1	0
##	i_ntbnppre3cat3.1	logntp0.1	ntpro1_adj.1	tntbnp_1.1	ntbnppost3cat.1
## 9	1	9.851984	NA	NA	NA
## 15	0	7.648263	12140.000	2	2
## 22	0	8.174985	7511.000	1	1
## 24	NA	NA	NA	NA	NA
## 31	NA	NA	18831.066	2	2
## 32	0	8.403353	6580.000	1	1
## 42	0	6.994850	13394.000	2	2
## 53	0	7.577352	21719.371	2	2
## 61	1	9.182764	NA	NA	NA
## 63	1	11.454963	83288.797	3	3
## 64	NA	NA	15239.340	2	2
## 66	1	9.787459	97890.000	3	3
## 78	0	7.433667	7596.000	1	1
## 82	0	7.167038	19278.000	2	2
## 84	0	6.269720	NA	NA	NA
## 85	0	6.617403	12281.000	2	2
## 86	0	7.260942	3975.414	1	1
## 104	1	8.632840	23982.000	3	3
## 106	0	6.825460	11310.000	2	2
## 111	1	8.677781	16364.514	2	2
## 114	0	7.450368	8276.656	1	1
## 115	1	9.078741	25958.188	3	3
## 117	0	6.161207	10814.000	1	1
## 130	0	6.232448	16711.000	2	2
## 133	0	7.037906	19940.000	2	2
## 135	1	8.692967	29950.350	3	3
## 138	1	11.055482	44129.984	3	3
## 143	0	7.073258	6944.413	1	1
## 145	0	7.342779	7983.000	1	1
## 152	1	9.441849	5942.000	1	1
## 153	0	7.417581	NA	NA	NA
## 165	0	6.460650	12143.968	2	2

## 173	0	5.993961	3192.000	1	1
## 178	0	6.059123	8748.000	1	1
## 182	0	8.365597	8811.076	1	1
## 187	0	8.442965	12585.511	2	2
## 189	0	7.292524	11493.833	2	2
## 191	1	8.835793	7955.000	1	1
## 192	1	9.142487	9012.054	1	1
## 197	0	7.589746	NA	NA	NA
## 201	1	9.039907	11328.000	2	2
## 207	0	7.534352	13407.695	2	2
## 208	0	7.347953	41217.320	3	3
## 213	0	7.614312	7547.000	1	1
## 219	0	6.323029	NA	NA	NA
## 221	NA	NA	5049.000	1	1
## 235	0	7.129700	NA	NA	NA
## 237	1	9.654745	NA	NA	NA
## 240	0	6.097149	NA	NA	NA
## 244	0	8.251143	7343.000	1	1
## 245	NA	NA	16319.000	2	2
## 247	0	7.649216	12462.000	2	2
## 253	NA	NA	6558.000	1	1
## 260	0	6.272877	9993.000	1	1
## 263	1	9.459829	28875.420	3	3
## 271	0	5.708662	NA	NA	NA
## 274	1	8.800623	NA	NA	NA
## 284	0	7.620820	2151.382	1	1
## 288	1	9.191769	31305.000	3	3
## 289	0	6.924613	23938.000	3	3
## 294	1	8.714896	19138.000	2	2
## 296	0	7.291487	22119.805	2	2
## 297	0	6.831954	4012.000	1	1
## 298	0	8.264244	NA	NA	NA
## 300	0	6.289692	NA	NA	NA
## 301	0	8.449828	21940.143	2	2
## 304	1	10.821856	NA	NA	NA
## 307	0	6.790097	27928.000	3	3
## 316	0	7.718164	18059.127	2	2
## 317	1	8.912066	NA	NA	NA
## 320	1	9.683589	29713.000	3	3
## 321	1	10.530121	91881.000	3	3
## 326	0	7.305188	18203.000	2	2
## 330	1	8.861916	NA	NA	NA
## 333	0	7.490270	43473.758	3	3
## 334	0	7.371210	32744.254	3	3
## 337	1	8.487764	21188.000	2	2
## 338	0	7.333138	NA	NA	NA
## 348	0	6.556778	14349.000	2	2
## 353	0	7.474205	10749.000	1	1
## 354	0	7.580189	16638.000	2	2
## 355	1	11.764405	NA	NA	NA
## 356	1	9.945493	30145.000	3	3
## 359	0	5.164786	NA	NA	NA
## 364	NA	NA	7086.000	1	1
## 369	0	7.162397	8756.000	1	1

## 378	0	8.280711	22937.000	3	2
## 381	0	8.377923	26504.787	3	3
## 386	0	7.232733	15559.000	2	2
## 388	0	5.468060	NA	NA	NA
## 392	NA	NA	14797.000	2	2
## 394	1	8.773230	NA	NA	NA
## 396	0	7.105786	14831.000	2	2
## 404	0	8.063377	11125.000	2	2
## 406	0	7.140616	6469.373	1	1
## 408	1	8.482602	12013.000	2	2
## 411	0	7.346010	6495.000	1	1
## 422	1	9.449453	69993.773	3	3
## 423	0	8.390445	NA	NA	NA
## 426	0	5.472270	14158.000	2	2
## 452	NA	NA	NA	NA	NA
## 454	0	6.066108	7067.000	1	1
## 456	0	6.750116	14520.689	2	2
## 458	0	7.321126	29653.449	3	3
## 468	0	7.081708	9700.000	1	1
## 469	0	7.323171	6658.000	1	1
## 472	0	7.634821	14332.000	2	2
## 479	0	6.502790	NA	NA	NA
## 485	0	6.184149	2710.000	1	1
## 488	1	9.502788	32984.820	3	3
## 490	0	7.745544	NA	NA	NA
## 495	1	8.923058	19539.000	2	2
## 498	0	5.673323	NA	NA	NA
## 501	0	8.342656	41445.703	3	3
## 502	0	8.101955	17133.408	2	2
## 506	0	7.383368	6313.000	1	1
## 515	1	8.930891	10903.000	2	1
## 517	1	8.690810	13092.000	2	2
## 525	0	6.614726	4911.000	1	1
## 526	1	12.787098	158957.170	3	3
## 533	0	7.795647	13695.000	2	2
## 556	0	7.057037	15847.000	2	2
## 561	0	7.132498	NA	NA	NA
## 571	0	6.647688	NA	NA	NA
## 572	0	6.008813	6298.000	1	1
## 582	1	8.942775	20821.059	2	2
## 592	1	8.786304	16295.000	2	2
## 598	0	6.646932	NA	NA	NA
## 600	0	7.671031	20088.705	2	2
## 607	0	5.804891	16326.450	2	2
## 612	0	8.036250	26369.000	3	3
## 622	1	8.621553	NA	NA	NA
## 627	1	9.964490	85315.328	3	3
## 630	0	8.465057	NA	NA	NA
## 635	0	7.770223	9636.000	1	1
## 640	0	6.706394	NA	NA	NA
## 642	NA	NA	7984.000	1	1
## 644	0	7.968951	6189.221	1	1
## 645	1	9.177093	14661.000	2	2
## 649	0	7.172666	21026.604	2	2

## 657	0	6.510258	5371.000	1	1
## 662	0	6.551080	9699.000	1	1
## 664	0	7.789454	14042.000	2	2
## 667	0	8.396380	31635.000	3	3
## 669	1	9.641928	62887.000	3	3
## 670	NA	NA	37013.000	3	3
## 679	0	7.889834	5452.000	1	1
## 683	0	5.774551	1903.000	1	1
## 687	0	6.576469	5750.000	1	1
## 688	0	8.164795	NA	NA	NA
## 691	1	9.177817	31892.000	3	3
## 694	1	10.221020	114630.770	3	3
## 696	1	8.706413	37672.793	3	3
## 710	0	6.957087	4046.974	1	1
## 712	1	10.647566	140580.000	3	3
## 714	1	10.274258	53883.000	3	3
## 717	1	9.316320	19899.000	2	2
## 719	1	10.303629	107281.360	3	3
## 722	NA	NA	NA	NA	NA
## 725	0	7.694182	NA	NA	NA
## 729	0	7.360104	8027.000	1	1
## 733	0	7.793999	10051.000	1	1
## 740	0	7.433075	25700.000	3	3
## 743	0	7.512618	42486.000	3	3
## 746	NA	NA	45652.000	3	3
## 747	0	7.034388	7906.000	1	1
## 749	0	7.590347	14001.000	2	2
## 759	0	6.951772	NA	NA	NA
## 763	0	8.022797	87778.836	3	3
## 766	1	9.871274	21983.000	2	2
## 776	0	8.451131	14158.319	2	2
## 793	0	7.207119	NA	NA	NA
## 795	0	8.461892	NA	NA	NA
## 799	0	6.033524	3151.707	1	1
## 802	0	7.535297	NA	NA	NA
## 810	0	5.672669	NA	NA	NA
## 818	0	7.044033	8986.000	1	1
## 822	0	7.355641	13513.000	2	2
## 823	NA	NA	4206.000	1	1
## 828	0	7.011214	16600.000	2	2
## 835	0	7.280008	5591.000	1	1
## 836	0	8.101071	NA	NA	NA
## 841	NA	NA	25222.000	3	3
## 855	NA	NA	9688.000	1	1
## 856	0	8.302333	NA	NA	NA
## 860	0	8.011686	3411.000	1	1
## 861	1	9.981513	NA	NA	NA
## 864	0	7.814804	23564.000	3	3
## 886	0	7.842769	5828.373	1	1
## 892	0	7.356280	NA	NA	NA
## 898	0	6.985642	9141.000	1	1
##	i_ntbnppost3cat1.1	i_ntbnppost3cat2.1	i_ntbnppost3cat3.1	logntp1.1	
## 9	NA	NA	NA	NA	
## 15	0	1	0	9.404261	

## 22	1	0	0 8.924124
## 24	NA	NA	NA NA
## 31	0	1	0 9.843264
## 32	1	0	0 8.791790
## 42	0	1	0 9.502562
## 53	0	1	0 9.985960
## 61	NA	NA	NA NA
## 63	0	0	1 11.330070
## 64	0	1	0 9.631636
## 66	0	0	1 11.491600
## 78	1	0	0 8.935377
## 82	0	1	0 9.866720
## 84	NA	NA	NA NA
## 85	0	1	0 9.415809
## 86	1	0	0 8.287884
## 104	0	0	1 10.085059
## 106	0	1	0 9.333443
## 111	0	1	0 9.702870
## 114	1	0	0 9.021195
## 115	0	0	1 10.164243
## 117	1	0	0 9.288597
## 130	0	1	0 9.723823
## 133	0	1	0 9.900483
## 135	0	0	1 10.307297
## 138	0	0	1 10.694895
## 143	1	0	0 8.845693
## 145	1	0	0 8.985069
## 152	1	0	0 8.689801
## 153	NA	NA	NA NA
## 165	0	1	0 9.404588
## 173	1	0	0 8.068403
## 178	1	0	0 9.076580
## 182	1	0	0 9.083765
## 187	0	1	0 9.440302
## 189	0	1	0 9.349566
## 191	1	0	0 8.981556
## 192	1	0	0 9.106319
## 197	NA	NA	NA NA
## 201	0	1	0 9.335033
## 207	0	1	0 9.503584
## 208	0	0	1 10.626614
## 213	1	0	0 8.928906
## 219	NA	NA	NA NA
## 221	1	0	0 8.526945
## 235	NA	NA	NA NA
## 237	NA	NA	NA NA
## 240	NA	NA	NA NA
## 244	1	0	0 8.901503
## 245	0	1	0 9.700086
## 247	0	1	0 9.430439
## 253	1	0	0 8.788441
## 260	1	0	0 9.209641
## 263	0	0	1 10.270746
## 271	NA	NA	NA NA

## 274	NA	NA	NA	NA
## 284	1	0	0	7.673866
## 288	0	0	1	10.351533
## 289	0	0	1	10.083222
## 294	0	1	0	9.859431
## 296	0	1	0	10.004229
## 297	1	0	0	8.297045
## 298	NA	NA	NA	NA
## 300	NA	NA	NA	NA
## 301	0	1	0	9.996073
## 304	NA	NA	NA	NA
## 307	0	0	1	10.237385
## 316	0	1	0	9.801407
## 317	NA	NA	NA	NA
## 320	0	0	1	10.299340
## 321	0	0	1	11.428249
## 326	0	1	0	9.809341
## 330	NA	NA	NA	NA
## 333	0	0	1	10.679913
## 334	0	0	1	10.396482
## 337	0	1	0	9.961190
## 338	NA	NA	NA	NA
## 348	0	1	0	9.571436
## 353	1	0	0	9.282568
## 354	0	1	0	9.719444
## 355	NA	NA	NA	NA
## 356	0	0	1	10.313774
## 359	NA	NA	NA	NA
## 364	1	0	0	8.865876
## 369	1	0	0	9.077495
## 378	0	1	0	10.040506
## 381	0	0	1	10.185081
## 386	0	1	0	9.652394
## 388	NA	NA	NA	NA
## 392	0	1	0	9.602180
## 394	NA	NA	NA	NA
## 396	0	1	0	9.604475
## 404	0	1	0	9.316950
## 406	1	0	0	8.774835
## 408	0	1	0	9.393745
## 411	1	0	0	8.778788
## 422	0	0	1	11.156161
## 423	NA	NA	NA	NA
## 426	0	1	0	9.558035
## 452	NA	NA	NA	NA
## 454	1	0	0	8.863192
## 456	0	1	0	9.583330
## 458	0	0	1	10.297334
## 468	1	0	0	9.179881
## 469	1	0	0	8.803575
## 472	0	1	0	9.570251
## 479	NA	NA	NA	NA
## 485	1	0	0	7.904704
## 488	0	0	1	10.403803

## 490	NA	NA	NA	NA
## 495	0	1	0	9.880168
## 498	NA	NA	NA	NA
## 501	0	0	1	10.632139
## 502	0	1	0	9.748786
## 506	1	0	0	8.750366
## 515	1	0	0	9.296793
## 517	0	1	0	9.479756
## 525	1	0	0	8.499233
## 526	0	0	1	11.976390
## 533	0	1	0	9.524786
## 556	0	1	0	9.670735
## 561	NA	NA	NA	NA
## 571	NA	NA	NA	NA
## 572	1	0	0	8.747988
## 582	0	1	0	9.943720
## 592	0	1	0	9.698613
## 598	NA	NA	NA	NA
## 600	0	1	0	9.907913
## 607	0	1	0	9.700541
## 612	0	0	1	10.179944
## 622	NA	NA	NA	NA
## 627	0	0	1	11.354110
## 630	NA	NA	NA	NA
## 635	1	0	0	9.173262
## 640	NA	NA	NA	NA
## 642	1	0	0	8.985195
## 644	1	0	0	8.730564
## 645	0	1	0	9.592946
## 649	0	1	0	9.953544
## 657	1	0	0	8.588769
## 662	1	0	0	9.179778
## 664	0	1	0	9.549808
## 667	0	0	1	10.362020
## 669	0	0	1	11.049095
## 670	0	0	1	10.519025
## 679	1	0	0	8.603738
## 683	1	0	0	7.551187
## 687	1	0	0	8.656955
## 688	NA	NA	NA	NA
## 691	0	0	1	10.370111
## 694	0	0	1	11.649471
## 696	0	0	1	10.536694
## 710	1	0	0	8.305725
## 712	0	0	1	11.853532
## 714	0	0	1	10.894570
## 717	0	1	0	9.898425
## 719	0	0	1	11.583210
## 722	NA	NA	NA	NA
## 725	NA	NA	NA	NA
## 729	1	0	0	8.990566
## 733	1	0	0	9.215427
## 740	0	0	1	10.154246
## 743	0	0	1	10.656930

## 746	0	0	1	10.728803
## 747	1	0	0	8.975377
## 749	0	1	0	9.546884
## 759	NA	NA	NA	NA
## 763	0	0	1	11.382576
## 766	0	1	0	9.998025
## 776	0	1	0	9.558058
## 793	NA	NA	NA	NA
## 795	NA	NA	NA	NA
## 799	1	0	0	8.055699
## 802	NA	NA	NA	NA
## 810	NA	NA	NA	NA
## 818	1	0	0	9.103423
## 822	0	1	0	9.511408
## 823	1	0	0	8.344267
## 828	0	1	0	9.717158
## 835	1	0	0	8.628914
## 836	NA	NA	NA	NA
## 841	0	0	1	10.135472
## 855	1	0	0	9.178643
## 856	NA	NA	NA	NA
## 860	1	0	0	8.134761
## 861	NA	NA	NA	NA
## 864	0	0	1	10.067475
## 886	1	0	0	8.670493
## 892	NA	NA	NA	NA
## 898	1	0	0	9.120525
##	ntbnpdiff.1	tntbnpdiff.1	ntbnpdiff3cat.1	i_ntbnpdiff3cat1.1
## 9	NA	NA	NA	NA
## 15	10043.0000	2	2	0
## 22	3960.0000	1	1	1
## 24	NA	NA	NA	NA
## 31	NA	NA	NA	NA
## 32	2118.0000	1	1	1
## 42	12303.0000	2	2	0
## 53	19765.9220	3	3	0
## 61	NA	NA	NA	NA
## 63	-11079.6950	1	1	1
## 64	NA	NA	NA	NA
## 66	80081.0000	3	3	0
## 78	5904.0000	1	1	1
## 82	17982.0000	3	3	0
## 84	NA	NA	NA	NA
## 85	11533.0000	2	2	0
## 86	2551.8164	1	1	1
## 104	18369.0000	3	3	0
## 106	10389.0000	2	2	0
## 111	10493.5080	2	2	0
## 114	6556.1592	1	1	1
## 115	17191.2660	3	3	0
## 117	10340.0000	2	2	0
## 130	16202.0000	2	2	0
## 133	18801.0000	3	3	0
## 135	23989.5140	3	3	0

## 138	-19159.9410	1	1	1
## 143	5764.4258	1	1	1
## 145	6438.0000	1	1	1
## 152	-6663.0000	1	1	1
## 153	NA	NA	NA	NA
## 165	11504.4910	2	2	0
## 173	2791.0000	1	1	1
## 178	8320.0000	2	2	0
## 182	4514.4014	1	1	1
## 187	7943.2144	2	2	0
## 189	10024.5590	2	2	0
## 191	1079.0000	1	1	1
## 192	-331.9189	1	1	1
## 197	NA	NA	NA	NA
## 201	2895.0000	1	1	1
## 207	11536.4650	2	2	0
## 208	39664.3050	3	3	0
## 213	5520.0000	1	1	1
## 219	NA	NA	NA	NA
## 221	NA	NA	NA	NA
## 235	NA	NA	NA	NA
## 237	NA	NA	NA	NA
## 240	NA	NA	NA	NA
## 244	3511.0000	1	1	1
## 245	NA	NA	NA	NA
## 247	10363.0000	2	2	0
## 253	NA	NA	NA	NA
## 260	9463.0000	2	2	0
## 263	16041.7310	2	2	0
## 271	NA	NA	NA	NA
## 274	NA	NA	NA	NA
## 284	111.1471	1	1	1
## 288	21489.0000	3	3	0
## 289	22921.0000	3	3	0
## 294	13045.0000	2	2	0
## 296	20652.0530	3	3	0
## 297	3085.0000	1	1	1
## 298	NA	NA	NA	NA
## 300	NA	NA	NA	NA
## 301	17265.8710	3	3	0
## 304	NA	NA	NA	NA
## 307	27039.0000	3	3	0
## 316	15810.3010	2	2	0
## 317	NA	NA	NA	NA
## 320	13661.0000	2	2	0
## 321	54455.0000	3	3	0
## 326	16715.0000	3	2	0
## 330	NA	NA	NA	NA
## 333	41683.2230	3	3	0
## 334	31154.6970	3	3	0
## 337	16333.0000	2	2	0
## 338	NA	NA	NA	NA
## 348	13645.0000	2	2	0
## 353	8987.0000	2	2	0

## 354	14679.0000	2	2	0
## 355	NA	NA	NA	NA
## 356	9287.0000	2	2	0
## 359	NA	NA	NA	NA
## 364	NA	NA	NA	NA
## 369	7466.0000	1	1	1
## 378	18990.0000	3	3	0
## 381	22154.8220	3	3	0
## 386	14175.0000	2	2	0
## 388	NA	NA	NA	NA
## 392	NA	NA	NA	NA
## 394	NA	NA	NA	NA
## 396	13612.0000	2	2	0
## 404	7949.0000	2	2	0
## 406	5207.1680	1	1	1
## 408	7183.0000	1	1	1
## 411	4945.0000	1	1	1
## 422	57292.5470	3	3	0
## 423	NA	NA	NA	NA
## 426	13920.0000	2	2	0
## 452	NA	NA	NA	NA
## 454	6636.0000	1	1	1
## 456	13666.5310	2	2	0
## 458	28141.5430	3	3	0
## 468	8510.0000	2	2	0
## 469	5143.0000	1	1	1
## 472	12263.0000	2	2	0
## 479	NA	NA	NA	NA
## 485	2225.0000	1	1	1
## 488	19587.7830	3	3	0
## 490	NA	NA	NA	NA
## 495	12036.0000	2	2	0
## 498	NA	NA	NA	NA
## 501	37246.4730	3	3	0
## 502	13832.4900	2	2	0
## 506	4704.0000	1	1	1
## 515	3341.0000	1	1	1
## 517	7144.0000	1	1	1
## 525	4165.0000	1	1	1
## 526	-198616.8900	1	1	1
## 533	11265.0000	2	2	0
## 556	14686.0000	2	2	0
## 561	NA	NA	NA	NA
## 571	NA	NA	NA	NA
## 572	5891.0000	1	1	1
## 582	13168.6540	2	2	0
## 592	9751.0000	2	2	0
## 598	NA	NA	NA	NA
## 600	17943.4120	3	3	0
## 607	15994.5310	2	2	0
## 612	23278.0000	3	3	0
## 622	NA	NA	NA	NA
## 627	64057.2970	3	3	0
## 630	NA	NA	NA	NA

## 635	7267.0000	1	1	1
## 640	NA	NA	NA	NA
## 642	NA	NA	NA	NA
## 644	3299.3955	1	1	1
## 645	4988.0000	1	1	1
## 649	19723.2890	3	3	0
## 657	4699.0000	1	1	1
## 662	8999.0000	2	2	0
## 664	11627.0000	2	2	0
## 667	27204.0000	3	3	0
## 669	47490.0000	3	3	0
## 670	NA	NA	NA	NA
## 679	2782.0000	1	1	1
## 683	1581.0000	1	1	1
## 687	5032.0000	1	1	1
## 688	NA	NA	NA	NA
## 691	22212.0000	3	3	0
## 694	87156.1090	3	3	0
## 696	31631.2600	3	3	0
## 710	2996.4053	1	1	1
## 712	98490.0000	3	3	0
## 714	24906.0000	3	3	0
## 717	8781.0000	2	2	0
## 719	77440.6330	3	3	0
## 722	NA	NA	NA	NA
## 725	NA	NA	NA	NA
## 729	6455.0000	1	1	1
## 733	7625.0000	1	1	1
## 740	24009.0000	3	3	0
## 743	40655.0000	3	3	0
## 746	NA	NA	NA	NA
## 747	6771.0000	1	1	1
## 749	12022.0000	2	2	0
## 759	NA	NA	NA	NA
## 763	84729.1410	3	3	0
## 766	2617.0000	1	1	1
## 776	9477.9590	2	2	0
## 793	NA	NA	NA	NA
## 795	NA	NA	NA	NA
## 799	2734.5244	1	1	1
## 802	NA	NA	NA	NA
## 810	NA	NA	NA	NA
## 818	7840.0000	1	1	1
## 822	11948.0000	2	2	0
## 823	NA	NA	NA	NA
## 828	15491.0000	2	2	0
## 835	4140.0000	1	1	1
## 836	NA	NA	NA	NA
## 841	NA	NA	NA	NA
## 855	NA	NA	NA	NA
## 856	NA	NA	NA	NA
## 860	395.0000	1	1	1
## 861	NA	NA	NA	NA
## 864	21087.0000	3	3	0

## 886	3281.1245	1	1	1		
## 892	NA	NA	NA	NA		
## 898	8060.0000	2	2	0		
##	i_ntbnpdiff3cat2.1	i_ntbnpdiff3cat3.1	logntbnpdiff.1	st20_adj.1	tst2_0.1	
## 9	NA	NA	NA	4035.0000	2	
## 15	1	0	9.214631	2161.0000	1	
## 22	0	0	8.283999	3056.0000	1	
## 24	NA	NA	NA	NA	NA	
## 31	NA	NA	NA	NA	NA	
## 32	0	0	7.658227	2369.0000	1	
## 42	1	0	9.417599	3312.0000	2	
## 53	0	1	9.891715	1689.5249	1	
## 61	NA	NA	NA	3690.0000	2	
## 63	0	0	-6.907755	6007.2856	3	
## 64	NA	NA	NA	NA	NA	
## 66	0	1	11.290794	14835.0000	3	
## 78	0	0	8.683385	3763.0000	2	
## 82	0	1	9.797127	5996.0000	3	
## 84	NA	NA	NA	3013.3081	1	
## 85	1	0	9.352968	2243.0000	1	
## 86	0	0	7.844561	4328.5859	2	
## 104	0	1	9.818419	6435.0000	3	
## 106	1	0	9.248503	4245.0000	2	
## 111	1	0	9.258513	2202.1816	1	
## 114	0	0	8.788160	4934.0313	3	
## 115	0	1	9.752156	3103.0039	1	
## 117	1	0	9.243775	2427.0000	1	
## 130	1	0	9.692890	5582.0000	3	
## 133	0	1	9.841665	4544.0000	2	
## 135	0	1	10.085372	3456.3735	2	
## 138	0	0	-6.907755	9097.9170	3	
## 143	0	0	8.659461	3507.4072	2	
## 145	0	0	8.769973	3183.0000	1	
## 152	0	0	-6.907755	15860.0000	3	
## 153	NA	NA	NA	3561.0000	2	
## 165	1	0	9.350492	2222.2859	1	
## 173	0	0	7.934156	6878.0000	3	
## 178	1	0	9.026418	5806.0000	3	
## 182	0	0	8.415028	2659.1653	1	
## 187	1	0	8.980073	3612.5676	2	
## 189	1	0	9.212793	2512.2500	1	
## 191	0	0	6.983790	1704.0000	1	
## 192	0	0	-6.907755	7904.8115	3	
## 197	NA	NA	NA	4475.5010	2	
## 201	0	0	7.970740	9904.0000	3	
## 207	1	0	9.353269	3301.7258	2	
## 208	0	1	10.588207	4483.2334	2	
## 213	0	0	8.616133	4660.0000	3	
## 219	NA	NA	NA	3113.0559	1	
## 221	NA	NA	NA	NA	NA	
## 235	NA	NA	NA	4432.1997	2	
## 237	NA	NA	NA	2533.1274	1	
## 240	NA	NA	NA	3181.1008	1	
## 244	0	0	8.163656	2946.0000	1	

## 245	NA	NA	NA	NA	NA
## 247	1	0	9.245997	2555.0000	1
## 253	NA	NA	NA	NA	NA
## 260	1	0	9.155145	3743.0000	2
## 263	1	0	9.682949	2131.8169	1
## 271	NA	NA	NA	7577.7314	3
## 274	NA	NA	NA	2209.9141	1
## 284	0	0	4.710854	4688.1416	3
## 288	0	1	9.975296	5414.0000	3
## 289	0	1	10.039809	3412.0000	2
## 294	1	0	9.476160	4180.0000	2
## 296	0	1	9.935570	3869.2825	2
## 297	0	0	8.034306	3148.0000	1
## 298	NA	NA	NA	5406.4795	3
## 300	NA	NA	NA	1992.6342	1
## 301	0	1	9.756487	2636.7412	1
## 304	NA	NA	NA	40912.0000	3
## 307	0	1	10.205035	3323.0000	2
## 316	1	0	9.668417	3996.8669	2
## 317	NA	NA	NA	6531.5405	3
## 320	1	0	9.522301	8121.0000	3
## 321	0	1	10.905130	26109.0000	3
## 326	1	0	9.724062	1409.0000	1
## 330	NA	NA	NA	3326.0000	2
## 333	0	1	10.637854	4668.0376	3
## 334	0	1	10.346721	2945.2632	1
## 337	1	0	9.700943	3880.0000	2
## 338	NA	NA	NA	2482.0938	1
## 348	1	0	9.521129	1686.0000	1
## 353	1	0	9.103535	2917.0000	1
## 354	1	0	9.594173	9708.0000	3
## 355	NA	NA	NA	83621.0390	3
## 356	1	0	9.136371	2988.0000	1
## 359	NA	NA	NA	2739.0000	1
## 364	NA	NA	NA	NA	NA
## 369	0	0	8.918115	4801.0000	3
## 378	0	1	9.851667	3720.0000	2
## 381	0	1	10.005811	6543.1392	3
## 386	1	0	9.559236	2075.0000	1
## 388	NA	NA	NA	11188.0000	3
## 392	NA	NA	NA	NA	NA
## 394	NA	NA	NA	6075.0000	3
## 396	1	0	9.518707	3406.0000	2
## 404	1	0	8.980802	5081.0000	3
## 406	0	0	8.557792	3759.4829	2
## 408	0	0	8.879473	5694.0000	3
## 411	0	0	8.506132	6518.0000	3
## 422	0	1	10.955926	4810.3130	3
## 423	NA	NA	NA	3234.4543	2
## 426	1	0	9.541082	1791.0000	1
## 452	NA	NA	NA	NA	NA
## 454	0	0	8.800264	2609.0000	1
## 456	1	0	9.522705	2907.3745	1
## 458	0	1	10.245002	3608.7014	2

## 468	1	0	9.048997	5197.0000	3
## 469	0	0	8.545392	4021.0000	2
## 472	1	0	9.414342	2630.0000	1
## 479	NA	NA	NA	3300.0000	2
## 485	0	0	7.707512	8212.0000	3
## 488	0	1	9.882662	4813.4063	3
## 490	NA	NA	NA	5763.7153	3
## 495	1	0	9.395658	3457.0000	2
## 498	NA	NA	NA	2387.0000	1
## 501	0	1	10.525312	4304.6157	2
## 502	1	0	9.534776	2405.5432	1
## 506	0	0	8.456168	1016.0000	1
## 515	0	0	8.114025	9492.0000	3
## 517	0	0	8.874028	3406.0000	2
## 525	0	0	8.334472	4053.0000	2
## 526	0	0	-6.907755	2574.1091	1
## 533	1	0	9.329456	4673.0000	3
## 556	1	0	9.594650	2508.0000	1
## 561	NA	NA	NA	2446.0000	1
## 571	NA	NA	NA	2131.0000	1
## 572	0	0	8.681181	3273.0000	2
## 582	1	0	9.485595	2734.1692	1
## 592	1	0	9.185125	5508.0000	3
## 598	NA	NA	NA	5452.8740	3
## 600	0	1	9.794978	6661.4448	3
## 607	1	0	9.680002	2270.9998	1
## 612	0	1	10.055264	3113.0000	1
## 622	NA	NA	NA	3553.0000	2
## 627	0	1	11.067533	20657.0510	3
## 630	NA	NA	NA	4397.0000	2
## 635	0	0	8.891099	2698.0000	1
## 640	NA	NA	NA	2576.4287	1
## 642	NA	NA	NA	NA	NA
## 644	0	0	8.101495	1613.7476	1
## 645	0	0	8.514791	36836.0000	3
## 649	0	1	9.889555	4856.7075	3
## 657	0	0	8.455105	1167.0000	1
## 662	1	0	9.104869	4907.0000	3
## 664	1	0	9.361085	4533.0000	2
## 667	0	1	10.211120	5650.0000	3
## 669	0	1	10.768274	3407.0000	2
## 670	NA	NA	NA	NA	NA
## 679	0	0	7.930925	4264.0000	2
## 683	0	0	7.365813	2505.0000	1
## 687	0	0	8.523573	3581.0000	2
## 688	NA	NA	NA	6575.0000	3
## 691	0	1	10.008388	3538.0000	2
## 694	0	1	11.375456	4055.6328	2
## 696	0	1	10.361901	2854.7944	1
## 710	0	0	8.005169	955.7221	1
## 712	0	1	11.497710	7402.0000	3
## 714	0	1	10.122864	3649.0000	2
## 717	1	0	9.080345	6425.0000	3
## 719	0	1	11.257267	9776.0469	3

## 722	NA	NA	NA	NA	NA
## 725	NA	NA	NA	2325.1265	1
## 729	0	0	8.772611	4344.0000	2
## 733	0	0	8.939188	3883.0000	2
## 740	0	1	10.086185	3347.0000	2
## 743	0	1	10.612877	5567.0000	3
## 746	NA	NA	NA	NA	NA
## 747	0	0	8.820404	5171.0000	3
## 749	1	0	9.394494	4294.0000	2
## 759	NA	NA	NA	2990.0000	1
## 763	0	1	11.347215	3449.4143	2
## 766	0	0	7.869784	4560.0000	2
## 776	1	0	9.156724	3886.2937	2
## 793	NA	NA	NA	2289.0000	1
## 795	NA	NA	NA	5074.0000	3
## 799	0	0	7.913713	2440.3389	1
## 802	NA	NA	NA	3784.0000	2
## 810	NA	NA	NA	3444.0017	2
## 818	0	0	8.966994	4001.0000	2
## 822	1	0	9.388319	2390.0000	1
## 823	NA	NA	NA	NA	NA
## 828	1	0	9.648014	2248.0000	1
## 835	0	0	8.328451	3857.0000	2
## 836	NA	NA	NA	7594.0000	3
## 841	NA	NA	NA	NA	NA
## 855	NA	NA	NA	NA	NA
## 856	NA	NA	NA	4409.0024	2
## 860	0	0	5.978886	2433.0000	1
## 861	NA	NA	NA	6188.0000	3
## 864	0	1	9.956412	1987.0000	1
## 886	0	0	8.095942	3220.5359	2
## 892	NA	NA	NA	2520.0000	1
## 898	1	0	8.994669	5341.0000	3
##	st2pre3cat.1	i_st2pre3cat1.1	i_st2pre3cat2.1	i_st2pre3cat3.1	logst20.1
## 9	2	0	1	0	8.302762
## 15	1	1	0	0	7.678326
## 22	1	1	0	0	8.024862
## 24	NA	NA	NA	NA	NA
## 31	NA	NA	NA	NA	NA
## 32	1	1	0	0	7.770223
## 42	2	0	1	0	8.105308
## 53	1	1	0	0	7.432203
## 61	2	0	1	0	8.213382
## 63	3	0	0	1	8.700728
## 64	NA	NA	NA	NA	NA
## 66	3	0	0	1	9.604745
## 78	2	0	1	0	8.232972
## 82	3	0	0	1	8.698848
## 84	1	1	0	0	8.010794
## 85	1	1	0	0	7.715569
## 86	2	0	1	0	8.372996
## 104	3	0	0	1	8.769507
## 106	2	0	1	0	8.353497
## 111	1	1	0	0	7.697204

## 114	3	0	0	1	8.503912
## 115	1	1	0	0	8.040126
## 117	1	1	0	0	7.794411
## 130	3	0	0	1	8.627302
## 133	2	0	1	0	8.421563
## 135	2	0	1	0	8.147975
## 138	3	0	0	1	9.115801
## 143	2	0	1	0	8.162632
## 145	1	1	0	0	8.065579
## 152	3	0	0	1	9.671556
## 153	2	0	1	0	8.177796
## 165	1	1	0	0	7.706292
## 173	3	0	0	1	8.836083
## 178	3	0	0	1	8.666647
## 182	1	1	0	0	7.885768
## 187	2	0	1	0	8.192174
## 189	1	1	0	0	7.828934
## 191	1	1	0	0	7.440734
## 192	3	0	0	1	8.975227
## 197	2	0	1	0	8.406374
## 201	3	0	0	1	9.200694
## 207	2	0	1	0	8.102201
## 208	2	0	1	0	8.408100
## 213	2	0	1	0	8.446771
## 219	1	1	0	0	8.043360
## 221	NA	NA	NA	NA	NA
## 235	2	0	1	0	8.396651
## 237	1	1	0	0	7.837210
## 240	1	1	0	0	8.064982
## 244	1	1	0	0	7.988204
## 245	NA	NA	NA	NA	NA
## 247	1	1	0	0	7.845808
## 253	NA	NA	NA	NA	NA
## 260	2	0	1	0	8.227643
## 263	1	1	0	0	7.664730
## 271	3	0	0	1	8.932969
## 274	1	1	0	0	7.700709
## 284	3	0	0	1	8.452791
## 288	3	0	0	1	8.596744
## 289	2	0	1	0	8.135054
## 294	2	0	1	0	8.338066
## 296	2	0	1	0	8.260824
## 297	1	1	0	0	8.054522
## 298	3	0	0	1	8.595353
## 300	1	1	0	0	7.597213
## 301	1	1	0	0	7.877299
## 304	3	0	0	1	10.619179
## 307	2	0	1	0	8.108624
## 316	2	0	1	0	8.293266
## 317	3	0	0	1	8.784398
## 320	3	0	0	1	9.002209
## 321	3	0	0	1	10.170035
## 326	1	1	0	0	7.250636
## 330	2	0	1	0	8.109526

## 333	2	0	1	0	8.448494
## 334	1	1	0	0	7.987954
## 337	2	0	1	0	8.263591
## 338	1	1	0	0	7.816858
## 348	1	1	0	0	7.430114
## 353	1	1	0	0	7.978311
## 354	3	0	0	1	9.180706
## 355	3	0	0	1	11.334050
## 356	1	1	0	0	8.002359
## 359	1	1	0	0	7.915348
## 364	NA	NA	NA	NA	NA
## 369	3	0	0	1	8.476580
## 378	2	0	1	0	8.221479
## 381	3	0	0	1	8.786172
## 386	1	1	0	0	7.637716
## 388	3	0	0	1	9.322598
## 392	NA	NA	NA	NA	NA
## 394	3	0	0	1	8.711937
## 396	2	0	1	0	8.133294
## 404	3	0	0	1	8.533263
## 406	2	0	1	0	8.232037
## 408	3	0	0	1	8.647168
## 411	3	0	0	1	8.782323
## 422	3	0	0	1	8.478518
## 423	2	0	1	0	8.081615
## 426	1	1	0	0	7.490530
## 452	NA	NA	NA	NA	NA
## 454	1	1	0	0	7.866722
## 456	1	1	0	0	7.975006
## 458	2	0	1	0	8.191103
## 468	3	0	0	1	8.555837
## 469	2	0	1	0	8.299286
## 472	1	1	0	0	7.874739
## 479	2	0	1	0	8.101678
## 485	3	0	0	1	9.013351
## 488	3	0	0	1	8.479160
## 490	3	0	0	1	8.659338
## 495	2	0	1	0	8.148156
## 498	1	1	0	0	7.777793
## 501	2	0	1	0	8.367443
## 502	1	1	0	0	7.785531
## 506	1	1	0	0	6.923629
## 515	3	0	0	1	9.158205
## 517	2	0	1	0	8.133294
## 525	2	0	1	0	8.307213
## 526	1	1	0	0	7.853259
## 533	3	0	0	1	8.449556
## 556	1	1	0	0	7.827241
## 561	1	1	0	0	7.802209
## 571	1	1	0	0	7.664347
## 572	2	0	1	0	8.093462
## 582	1	1	0	0	7.913583
## 592	3	0	0	1	8.613957
## 598	3	0	0	1	8.603898

## 600	3	0	0	1	8.804092
## 607	1	1	0	0	7.727975
## 612	1	1	0	0	8.043343
## 622	2	0	1	0	8.175548
## 627	3	0	0	1	9.935812
## 630	2	0	1	0	8.388678
## 635	1	1	0	0	7.900266
## 640	1	1	0	0	7.854159
## 642	NA	NA	NA	NA	NA
## 644	1	1	0	0	7.386314
## 645	3	0	0	1	10.514231
## 649	3	0	0	1	8.488116
## 657	1	1	0	0	7.062191
## 662	3	0	0	1	8.498418
## 664	2	0	1	0	8.419139
## 667	3	0	0	1	8.639411
## 669	2	0	1	0	8.133588
## 670	NA	NA	NA	NA	NA
## 679	2	0	1	0	8.357963
## 683	1	1	0	0	7.826044
## 687	2	0	1	0	8.183397
## 688	3	0	0	1	8.791030
## 691	2	0	1	0	8.171317
## 694	2	0	1	0	8.307862
## 696	1	1	0	0	7.956755
## 710	1	1	0	0	6.862467
## 712	3	0	0	1	8.909506
## 714	2	0	1	0	8.202208
## 717	3	0	0	1	8.767952
## 719	3	0	0	1	9.187691
## 722	NA	NA	NA	NA	NA
## 725	1	1	0	0	7.751530
## 729	2	0	1	0	8.376551
## 733	2	0	1	0	8.264363
## 740	2	0	1	0	8.115820
## 743	3	0	0	1	8.624612
## 746	NA	NA	NA	NA	NA
## 747	3	0	0	1	8.550821
## 749	2	0	1	0	8.364974
## 759	1	1	0	0	8.003029
## 763	2	0	1	0	8.145960
## 766	2	0	1	0	8.425077
## 776	2	0	1	0	8.265211
## 793	1	1	0	0	7.735870
## 795	3	0	0	1	8.531885
## 799	1	1	0	0	7.799892
## 802	2	0	1	0	8.238537
## 810	2	0	1	0	8.144389
## 818	2	0	1	0	8.294300
## 822	1	1	0	0	7.779048
## 823	NA	NA	NA	NA	NA
## 828	1	1	0	0	7.717796
## 835	2	0	1	0	8.257645
## 836	3	0	0	1	8.935114

## 841	NA	NA	NA	NA	NA
## 855	NA	NA	NA	NA	NA
## 856	2	0	1	0	8.391404
## 860	1	1	0	0	7.796880
## 861	3	0	0	1	8.730368
## 864	1	1	0	0	7.594381
## 886	2	0	1	0	8.077303
## 892	1	1	0	0	7.832014
## 898	3	0	0	1	8.583168
##	st21_adj.1	tst2_1.1	st2post3cat.1	i_st2post3cat1.1	i_st2post3cat2.1
## 9	NA	NA	NA	NA	NA
## 15	84031.000	3	3	0	0
## 22	20602.000	1	1	1	0
## 24	NA	NA	NA	NA	NA
## 31	14931.225	1	1	1	0
## 32	21786.000	1	1	1	0
## 42	50464.000	2	2	0	1
## 53	15982.828	1	1	1	0
## 61	NA	NA	NA	NA	NA
## 63	78453.492	3	3	0	0
## 64	19703.648	1	1	1	0
## 66	143772.000	3	3	0	0
## 78	16632.000	1	1	1	0
## 82	32602.000	2	2	0	1
## 84	NA	NA	NA	NA	NA
## 85	7562.000	1	1	1	0
## 86	13404.853	1	1	1	0
## 104	63517.000	3	3	0	0
## 106	23903.000	1	1	1	0
## 111	73747.570	3	3	0	0
## 114	56074.441	2	2	0	1
## 115	105441.050	3	3	0	0
## 117	31262.000	2	2	0	1
## 130	363459.000	3	3	0	0
## 133	12807.000	1	1	1	0
## 135	43179.152	2	2	0	1
## 138	53197.223	2	2	0	1
## 143	31851.217	2	2	0	1
## 145	19597.000	1	1	1	0
## 152	2440.000	1	1	1	0
## 153	NA	NA	NA	NA	NA
## 165	57124.500	2	2	0	1
## 173	82893.000	3	3	0	0
## 178	13779.000	1	1	1	0
## 182	32404.855	2	2	0	1
## 187	22405.342	1	1	1	0
## 189	78146.516	3	3	0	0
## 191	3601.000	1	1	1	0
## 192	26631.861	1	1	1	0
## 197	NA	NA	NA	NA	NA
## 201	68727.000	3	3	0	0
## 207	6897.282	1	1	1	0
## 208	23988.160	1	1	1	0
## 213	78032.000	3	3	0	0

## 219	NA	NA	NA	NA	NA
## 221	91116.000	3	3	0	0
## 235	NA	NA	NA	NA	NA
## 237	NA	NA	NA	NA	NA
## 240	NA	NA	NA	NA	NA
## 244	51636.000	2	2	0	1
## 245	100640.000	3	3	0	0
## 247	81906.000	3	3	0	0
## 253	13147.000	1	1	1	0
## 260	25951.000	1	1	1	0
## 263	135767.440	3	3	0	0
## 271	NA	NA	NA	NA	NA
## 274	NA	NA	NA	NA	NA
## 284	4786.343	1	1	1	0
## 288	49682.000	2	2	0	1
## 289	49777.000	2	2	0	1
## 294	61701.000	2	2	0	1
## 296	26717.689	1	1	1	0
## 297	110376.000	3	3	0	0
## 298	NA	NA	NA	NA	NA
## 300	NA	NA	NA	NA	NA
## 301	33381.453	2	2	0	1
## 304	NA	NA	NA	NA	NA
## 307	26366.000	1	1	1	0
## 316	66306.695	3	3	0	0
## 317	NA	NA	NA	NA	NA
## 320	100589.000	3	3	0	0
## 321	339562.000	3	3	0	0
## 326	12543.000	1	1	1	0
## 330	NA	NA	NA	NA	NA
## 333	23823.461	1	1	1	0
## 334	135929.050	3	3	0	0
## 337	21054.000	1	1	1	0
## 338	NA	NA	NA	NA	NA
## 348	39454.000	2	2	0	1
## 353	39787.000	2	2	0	1
## 354	91283.000	3	3	0	0
## 355	NA	NA	NA	NA	NA
## 356	36672.000	2	2	0	1
## 359	NA	NA	NA	NA	NA
## 364	51070.000	2	2	0	1
## 369	34033.000	2	2	0	1
## 378	21963.000	1	1	1	0
## 381	69813.336	3	3	0	0
## 386	40491.000	2	2	0	1
## 388	NA	NA	NA	NA	NA
## 392	92755.000	3	3	0	0
## 394	NA	NA	NA	NA	NA
## 396	13980.000	1	1	1	0
## 404	102732.000	3	3	0	0
## 406	12322.319	1	1	1	0
## 408	70843.000	3	3	0	0
## 411	47542.000	2	2	0	1
## 422	45022.551	2	2	0	1

## 423	NA	NA	NA	NA	NA
## 426	78000.000	3	3	0	0
## 452	NA	NA	NA	NA	NA
## 454	26043.000	1	1	1	0
## 456	46952.555	2	2	0	1
## 458	52056.695	2	2	0	1
## 468	151911.000	3	3	0	0
## 469	51617.000	2	2	0	1
## 472	13992.000	1	1	1	0
## 479	NA	NA	NA	NA	NA
## 485	36379.000	2	2	0	1
## 488	151657.470	3	3	0	0
## 490	NA	NA	NA	NA	NA
## 495	47383.000	2	2	0	1
## 498	NA	NA	NA	NA	NA
## 501	140888.590	3	3	0	0
## 502	59352.195	2	2	0	1
## 506	28204.000	1	1	1	0
## 515	100927.000	3	3	0	0
## 517	16052.000	1	1	1	0
## 525	50186.000	2	2	0	1
## 526	66602.852	3	3	0	0
## 533	14900.000	1	1	1	0
## 556	13733.000	1	1	1	0
## 561	NA	NA	NA	NA	NA
## 571	NA	NA	NA	NA	NA
## 572	118364.000	3	3	0	0
## 582	15463.985	1	1	1	0
## 592	94248.000	3	3	0	0
## 598	NA	NA	NA	NA	NA
## 600	31838.072	2	2	0	1
## 607	85739.711	3	3	0	0
## 612	46545.000	2	2	0	1
## 622	NA	NA	NA	NA	NA
## 627	158022.770	3	3	0	0
## 630	NA	NA	NA	NA	NA
## 635	294123.000	3	3	0	0
## 640	NA	NA	NA	NA	NA
## 642	38516.000	2	2	0	1
## 644	17295.012	1	1	1	0
## 645	27537.000	1	1	1	0
## 649	30000.086	1	1	1	0
## 657	6511.000	1	1	1	0
## 662	51928.000	2	2	0	1
## 664	48820.000	2	2	0	1
## 667	27421.000	1	1	1	0
## 669	107191.000	3	3	0	0
## 670	189478.000	3	3	0	0
## 679	30532.000	1	1	1	0
## 683	13487.000	1	1	1	0
## 687	41003.000	2	2	0	1
## 688	NA	NA	NA	NA	NA
## 691	13853.000	1	1	1	0
## 694	151945.130	3	3	0	0

##	696	61099.715	2	2	0	1
##	710	17563.326	1	1	1	0
##	712	86810.000	3	3	0	0
##	714	26144.000	1	1	1	0
##	717	77444.000	3	3	0	0
##	719	27433.709	1	1	1	0
##	722	NA	NA	NA	NA	NA
##	725	NA	NA	NA	NA	NA
##	729	44487.000	2	2	0	1
##	733	25226.000	1	1	1	0
##	740	15412.000	1	1	1	0
##	743	17616.000	1	1	1	0
##	746	26012.000	1	1	1	0
##	747	16277.000	1	1	1	0
##	749	22258.000	1	1	1	0
##	759	NA	NA	NA	NA	NA
##	763	187930.840	3	3	0	0
##	766	39262.000	2	2	0	1
##	776	19949.539	1	1	1	0
##	793	NA	NA	NA	NA	NA
##	795	NA	NA	NA	NA	NA
##	799	20582.820	1	1	1	0
##	802	NA	NA	NA	NA	NA
##	810	NA	NA	NA	NA	NA
##	818	16927.000	1	1	1	0
##	822	30417.000	1	1	1	0
##	823	11684.000	1	1	1	0
##	828	13808.000	1	1	1	0
##	835	36634.000	2	2	0	1
##	836	NA	NA	NA	NA	NA
##	841	80085.000	3	3	0	0
##	855	27795.000	1	1	1	0
##	856	NA	NA	NA	NA	NA
##	860	36098.000	2	2	0	1
##	861	NA	NA	NA	NA	NA
##	864	44717.000	2	2	0	1
##	886	51264.129	2	2	0	1
##	892	NA	NA	NA	NA	NA
##	898	25174.000	1	1	1	0
##	i_st2post3cat3.1 logst21.1 st2diff.1 tst2diff.1 st2diff3cat.1					
##	9	NA	NA	NA	NA	NA
##	15	1	11.338941	81870.00000	3	3
##	22	0	9.933144	17546.00000	1	1
##	24	NA	NA	NA	NA	NA
##	31	0	9.611210	NA	NA	NA
##	32	0	9.989023	19417.00000	1	1
##	42	0	10.829016	47152.00000	2	2
##	53	0	9.679270	14293.30300	1	1
##	61	NA	NA	NA	NA	NA
##	63	1	11.270261	72446.20300	3	3
##	64	0	9.888559	NA	NA	NA
##	66	1	11.875984	128937.00000	3	3
##	78	0	9.719084	12869.00000	1	1
##	82	0	10.392129	26606.00000	2	1

## 84	NA	NA	NA	NA	NA
## 85	0	8.930891	5319.00000	1	1
## 86	0	9.503372	9076.26660	1	1
## 104	1	11.059063	57082.00000	2	2
## 106	0	10.081759	19658.00000	1	1
## 111	1	11.208404	71545.39100	3	3
## 114	0	10.934436	51140.41000	2	2
## 115	1	11.565907	102338.05000	3	3
## 117	0	10.350159	28835.00000	2	2
## 130	1	12.803422	357877.00000	3	3
## 133	0	9.457747	8263.00000	1	1
## 135	0	10.673113	39722.77700	2	2
## 138	0	10.881762	44099.30500	2	2
## 143	0	10.368831	28343.80900	2	2
## 145	0	9.883132	16414.00000	1	1
## 152	0	7.799753	-13420.00000	1	1
## 153	NA	NA	NA	NA	NA
## 165	0	10.952989	54902.21500	2	2
## 173	1	11.325306	76015.00000	3	3
## 178	0	9.530901	7973.00000	1	1
## 182	0	10.386064	29745.68900	2	2
## 187	0	10.017055	18792.77300	1	1
## 189	1	11.266341	75634.26600	3	3
## 191	0	8.188967	1897.00000	1	1
## 192	0	10.189863	18727.05100	1	1
## 197	NA	NA	NA	NA	NA
## 201	1	11.137897	58823.00000	3	3
## 207	0	8.838882	3595.55640	1	1
## 208	0	10.085316	19504.92600	1	1
## 213	1	11.264874	73372.00000	3	3
## 219	NA	NA	NA	NA	NA
## 221	1	11.419888	NA	NA	NA
## 235	NA	NA	NA	NA	NA
## 237	NA	NA	NA	NA	NA
## 240	NA	NA	NA	NA	NA
## 244	0	10.851974	48690.00000	2	2
## 245	1	11.519305	NA	NA	NA
## 247	1	11.313328	79351.00000	3	3
## 253	0	9.483949	NA	NA	NA
## 260	0	10.163965	22208.00000	1	1
## 263	1	11.818699	133635.63000	3	3
## 271	NA	NA	NA	NA	NA
## 274	NA	NA	NA	NA	NA
## 284	0	8.473522	98.20117	1	1
## 288	0	10.813398	44268.00000	2	2
## 289	0	10.815309	46365.00000	2	2
## 294	0	11.030055	57521.00000	2	2
## 296	0	10.193081	22848.40600	1	1
## 297	1	11.611648	107228.00000	3	3
## 298	NA	NA	NA	NA	NA
## 300	NA	NA	NA	NA	NA
## 301	0	10.415755	30744.71100	2	2
## 304	NA	NA	NA	NA	NA
## 307	0	10.179831	23043.00000	1	1

## 316	1	11.102046	62309.82800	3	3
## 317	NA	NA	NA	NA	NA
## 320	1	11.518798	92468.00000	3	3
## 321	1	12.735412	313453.00000	3	3
## 326	0	9.436918	11134.00000	1	1
## 330	NA	NA	NA	NA	NA
## 333	0	10.078426	19155.42400	1	1
## 334	1	11.819888	132983.78000	3	3
## 337	0	9.954845	17174.00000	1	1
## 338	NA	NA	NA	NA	NA
## 348	0	10.582891	37768.00000	2	2
## 353	0	10.591295	36870.00000	2	2
## 354	1	11.421720	81575.00000	3	3
## 355	NA	NA	NA	NA	NA
## 356	0	10.509768	33684.00000	2	2
## 359	NA	NA	NA	NA	NA
## 364	0	10.840953	NA	NA	NA
## 369	0	10.435086	29232.00000	2	2
## 378	0	9.997114	18243.00000	1	1
## 381	1	11.153581	63270.19500	3	3
## 386	0	10.608835	38416.00000	2	2
## 388	NA	NA	NA	NA	NA
## 392	1	11.437716	NA	NA	NA
## 394	NA	NA	NA	NA	NA
## 396	0	9.545383	10574.00000	1	1
## 404	1	11.539879	97651.00000	3	3
## 406	0	9.419168	8562.83590	1	1
## 408	1	11.168221	65149.00000	3	3
## 411	0	10.769369	41024.00000	2	2
## 422	0	10.714919	40212.23800	2	2
## 423	NA	NA	NA	NA	NA
## 426	1	11.264464	76209.00000	3	3
## 452	NA	NA	NA	NA	NA
## 454	0	10.167504	23434.00000	1	1
## 456	0	10.756893	44045.18000	2	2
## 458	0	10.860088	48447.99200	2	2
## 468	1	11.931050	146714.00000	3	3
## 469	0	10.851606	47596.00000	2	2
## 472	0	9.546241	11362.00000	1	1
## 479	NA	NA	NA	NA	NA
## 485	0	10.501747	28167.00000	2	2
## 488	1	11.929379	146844.06000	3	3
## 490	NA	NA	NA	NA	NA
## 495	0	10.766019	43926.00000	2	2
## 498	NA	NA	NA	NA	NA
## 501	1	11.855724	136583.98000	3	3
## 502	0	10.991244	56946.65200	2	2
## 506	0	10.247219	27188.00000	2	2
## 515	1	11.522153	91435.00000	3	3
## 517	0	9.683589	12646.00000	1	1
## 525	0	10.823491	46133.00000	2	2
## 526	1	11.106503	64028.74200	3	3
## 533	0	9.609117	10227.00000	1	1
## 556	0	9.527557	11225.00000	1	1

## 561	NA	NA	NA	NA	NA
## 571	NA	NA	NA	NA	NA
## 572	1	11.681520	115091.00000	3	3
## 582	0	9.646269	12729.81600	1	1
## 592	1	11.453685	88740.00000	3	3
## 598	NA	NA	NA	NA	NA
## 600	0	10.368418	25176.62700	1	1
## 607	1	11.359072	83468.71100	3	3
## 612	0	10.748175	43432.00000	2	2
## 622	NA	NA	NA	NA	NA
## 627	1	11.970494	137365.72000	3	3
## 630	NA	NA	NA	NA	NA
## 635	1	12.591753	291425.00000	3	3
## 640	NA	NA	NA	NA	NA
## 642	0	10.558829	NA	NA	NA
## 644	0	9.758173	15681.26400	1	1
## 645	0	10.223286	-9299.00000	1	1
## 649	0	10.308955	25143.37900	1	1
## 657	0	8.781248	5344.00000	1	1
## 662	0	10.857614	47021.00000	2	2
## 664	0	10.795896	44287.00000	2	2
## 667	0	10.219065	21771.00000	1	1
## 669	1	11.582368	103784.00000	3	3
## 670	1	12.152028	NA	NA	NA
## 679	0	10.326530	26268.00000	1	1
## 683	0	9.509481	10982.00000	1	1
## 687	0	10.621401	37422.00000	2	2
## 688	NA	NA	NA	NA	NA
## 691	0	9.536257	10315.00000	1	1
## 694	1	11.931274	147889.50000	3	3
## 696	0	11.020263	58244.92200	3	2
## 710	0	9.773568	16607.60400	1	1
## 712	1	11.371477	79408.00000	3	3
## 714	0	10.171375	22495.00000	1	1
## 717	1	11.257310	71019.00000	3	3
## 719	0	10.219528	17657.66200	1	1
## 722	NA	NA	NA	NA	NA
## 725	NA	NA	NA	NA	NA
## 729	0	10.702952	40143.00000	2	2
## 733	0	10.135631	21343.00000	1	1
## 740	0	9.642901	12065.00000	1	1
## 743	0	9.776563	12049.00000	1	1
## 746	0	10.166313	NA	NA	NA
## 747	0	9.697509	11106.00000	1	1
## 749	0	10.010457	17964.00000	1	1
## 759	NA	NA	NA	NA	NA
## 763	1	12.143829	184481.42000	3	3
## 766	0	10.578012	34702.00000	2	2
## 776	0	9.900961	16063.24500	1	1
## 793	NA	NA	NA	NA	NA
## 795	NA	NA	NA	NA	NA
## 799	0	9.932212	18142.48000	1	1
## 802	NA	NA	NA	NA	NA
## 810	NA	NA	NA	NA	NA

## 818	0	9.736666	12926.00000	1	1
## 822	0	10.322757	28027.00000	2	2
## 823	0	9.365975	NA	NA	NA
## 828	0	9.533004	11560.00000	1	1
## 835	0	10.508732	32777.00000	2	2
## 836	NA	NA	NA	NA	NA
## 841	1	11.290844	NA	NA	NA
## 855	0	10.232612	NA	NA	NA
## 856	NA	NA	NA	NA	NA
## 860	0	10.493993	33665.00000	2	2
## 861	NA	NA	NA	NA	NA
## 864	0	10.708109	42730.00000	2	2
## 886	0	10.844747	48043.59400	2	2
## 892	NA	NA	NA	NA	NA
## 898	0	10.133567	19833.00000	1	1
##	i_st2diff3cat1.1	i_st2diff3cat2.1	i_st2diff3cat3.1	logst2diff.1	train
## 9	NA	NA	NA	NA	0
## 15	0	0	1	11.312888	1
## 22	1	0	0	9.772581	1
## 24	NA	NA	NA	NA	1
## 31	NA	NA	NA	NA	1
## 32	1	0	0	9.873904	1
## 42	0	1	0	10.761131	0
## 53	1	0	0	9.567546	1
## 61	NA	NA	NA	NA	1
## 63	0	0	1	11.190599	1
## 64	NA	NA	NA	NA	1
## 66	0	0	1	11.767079	1
## 78	1	0	0	9.462577	1
## 82	1	0	0	10.188892	1
## 84	NA	NA	NA	NA	1
## 85	1	0	0	8.579040	1
## 86	1	0	0	9.113419	1
## 104	0	1	0	10.952244	1
## 106	1	0	0	9.886240	1
## 111	0	0	1	11.178087	1
## 114	0	1	0	10.842330	0
## 115	0	0	1	11.536036	1
## 117	0	1	0	10.269345	1
## 130	0	0	1	12.787945	1
## 133	1	0	0	9.019543	1
## 135	0	1	0	10.589680	1
## 138	0	1	0	10.694200	1
## 143	0	1	0	10.252164	0
## 145	1	0	0	9.705890	1
## 152	1	0	0	-6.907755	1
## 153	NA	NA	NA	NA	1
## 165	0	1	0	10.913309	1
## 173	0	0	1	11.238686	0
## 178	1	0	0	8.983816	1
## 182	0	1	0	10.300440	0
## 187	1	0	0	9.841228	1
## 189	0	0	1	11.233665	1
## 191	1	0	0	7.548029	1

## 192	1	0	0	9.837725	1
## 197	NA	NA	NA	NA	1
## 201	0	0	1	10.982288	1
## 207	1	0	0	8.187454	1
## 208	1	0	0	9.878423	1
## 213	0	0	1	11.203298	1
## 219	NA	NA	NA	NA	1
## 221	NA	NA	NA	NA	1
## 235	NA	NA	NA	NA	1
## 237	NA	NA	NA	NA	0
## 240	NA	NA	NA	NA	1
## 244	0	1	0	10.793229	0
## 245	NA	NA	NA	NA	1
## 247	0	0	1	11.281636	0
## 253	NA	NA	NA	NA	1
## 260	1	0	0	10.008208	1
## 263	0	0	1	11.802872	1
## 271	NA	NA	NA	NA	1
## 274	NA	NA	NA	NA	1
## 284	1	0	0	4.587018	1
## 288	0	1	0	10.698017	1
## 289	0	1	0	10.744300	1
## 294	0	1	0	10.959906	1
## 296	1	0	0	10.036636	1
## 297	0	0	1	11.582713	0
## 298	NA	NA	NA	NA	1
## 300	NA	NA	NA	NA	1
## 301	0	1	0	10.333473	0
## 304	NA	NA	NA	NA	1
## 307	1	0	0	10.045117	0
## 316	0	0	1	11.039874	1
## 317	NA	NA	NA	NA	1
## 320	0	0	1	11.434618	0
## 321	0	0	1	12.655405	1
## 326	1	0	0	9.317759	0
## 330	NA	NA	NA	NA	0
## 333	1	0	0	9.860341	0
## 334	0	0	1	11.797982	0
## 337	1	0	0	9.751152	1
## 338	NA	NA	NA	NA	0
## 348	0	1	0	10.539217	0
## 353	0	1	0	10.515154	1
## 354	0	0	1	11.309278	1
## 355	NA	NA	NA	NA	1
## 356	0	1	0	10.424778	1
## 359	NA	NA	NA	NA	1
## 364	NA	NA	NA	NA	0
## 369	0	1	0	10.283019	1
## 378	1	0	0	9.811537	1
## 381	0	0	1	11.055170	1
## 386	0	1	0	10.556230	1
## 388	NA	NA	NA	NA	1
## 392	NA	NA	NA	NA	1
## 394	NA	NA	NA	NA	1

## 396	1	0	0	9.266153	1
## 404	0	0	1	11.489155	0
## 406	1	0	0	9.055186	1
## 408	0	0	1	11.084433	0
## 411	0	1	0	10.621913	1
## 422	0	1	0	10.601927	1
## 423	NA	NA	NA	NA	1
## 426	0	0	1	11.241235	0
## 452	NA	NA	NA	NA	1
## 454	1	0	0	10.061943	1
## 456	0	1	0	10.692971	0
## 458	0	1	0	10.788246	1
## 468	0	0	1	11.896240	0
## 469	0	1	0	10.770504	1
## 472	1	0	0	9.338030	1
## 479	NA	NA	NA	NA	0
## 485	0	1	0	10.245907	1
## 488	0	0	1	11.897126	1
## 490	NA	NA	NA	NA	1
## 495	0	1	0	10.690262	1
## 498	NA	NA	NA	NA	1
## 501	0	0	1	11.824695	1
## 502	0	1	0	10.949870	1
## 506	0	1	0	10.210531	1
## 515	0	0	1	11.423384	1
## 517	1	0	0	9.445096	1
## 525	0	1	0	10.739284	0
## 526	0	0	1	11.067087	1
## 533	1	0	0	9.232786	1
## 556	1	0	0	9.325899	0
## 561	NA	NA	NA	NA	0
## 571	NA	NA	NA	NA	0
## 572	0	0	1	11.653479	1
## 582	1	0	0	9.451702	1
## 592	0	0	1	11.393466	1
## 598	NA	NA	NA	NA	0
## 600	1	0	0	10.133672	1
## 607	0	0	1	11.332227	1
## 612	0	1	0	10.678952	1
## 622	NA	NA	NA	NA	1
## 627	0	0	1	11.830402	1
## 630	NA	NA	NA	NA	0
## 635	0	0	1	12.582538	1
## 640	NA	NA	NA	NA	1
## 642	NA	NA	NA	NA	1
## 644	1	0	0	9.660222	1
## 645	1	0	0	-6.907755	1
## 649	1	0	0	10.132350	1
## 657	1	0	0	8.583730	1
## 662	0	1	0	10.758349	1
## 664	0	1	0	10.698446	0
## 667	1	0	0	9.988334	1
## 669	0	0	1	11.550067	1
## 670	NA	NA	NA	NA	1

```
## 679      1      0      0 10.176106      1
## 683      1      0      0  9.304013      1
## 687      0      1      0 10.530014      1
## 688     NA     NA     NA      NA      1
## 691      1      0      0  9.241354      0
## 694      0      0      1 11.904221      1
## 696      0      1      0 10.972412      1
## 710      1      0      0  9.717616      1
## 712      0      0      1 11.282354      1
## 714      1      0      0 10.021049      1
## 717      0      0      1 11.170703      1
## 719      1      0      0  9.778925      0
## 722     NA     NA     NA      NA      1
## 725     NA     NA     NA      NA      1
## 729      0      1      0 10.600204      1
## 733      1      0      0  9.968479      0
## 740      1      0      0  9.398064      0
## 743      1      0      0  9.396737      0
## 746     NA     NA     NA      NA      1
## 747      1      0      0  9.315241      1
## 749      1      0      0  9.796125      0
## 759     NA     NA     NA      NA      0
## 763      0      0      1 12.125304      1
## 766      0      1      0 10.454553      1
## 776      1      0      0  9.684289      1
## 793     NA     NA     NA      NA      1
## 795     NA     NA     NA      NA      1
## 799      1      0      0  9.806011      0
## 802     NA     NA     NA      NA      1
## 810     NA     NA     NA      NA      1
## 818      1      0      0  9.466996      1
## 822      0      1      0 10.240924      1
## 823     NA     NA     NA      NA      0
## 828      1      0      0  9.355306      1
## 835      0      1      0 10.397482      1
## 836     NA     NA     NA      NA      0
## 841     NA     NA     NA      NA      1
## 855     NA     NA     NA      NA      0
## 856     NA     NA     NA      NA      0
## 860      0      1      0 10.424214      1
## 861     NA     NA     NA      NA      0
## 864      0      1      0 10.662657      0
## 886      0      1      0 10.779864      1
## 892     NA     NA     NA      NA      0
## 898      1      0      0  9.895103      0
```

```
## [ reached 'max' / getOption("max.print") -- omitted 138 rows ]
```

```
# Create train and test sets to use across all the models
train_set <- d$train
test_set <- d$test
```

Clean and prep the training data

```
# Clean and prep the training data
readmission_models <- machine_learn(d$train, outcome = dead)
```



```

## Training new data prep recipe...

## Warning in prep.step_missing(x$steps[[i]], training = training, info = x$term_info): The following c
## dmtx_r: 52%
## aortic_sten: 62%
## mitral_insuff: 62%

## Removing the following 48 near-zero variance column(s). If you don't want to remove them, call prep_
## obleed, ocva, oleginf, otia, orf, opneu, rf_1, rf_3, priority_22, rf_r, rf_1_r, rf_3_r, priority_2
##
## dead looks categorical, so training classification algorithms.

##
## After data processing, models are being trained on 989 features with 1,322 observations.
## Based on n_folds = 5 and hyperparameter settings, the following number of models will be trained: 50
## Model training may take a few minutes.

## Training with cross validation: Random Forest

## You may, or may not, see messages about progress in growing trees. The estimates are very rough, and
## Training with cross validation: eXtreme Gradient Boosting

## Training with cross validation: glmnet

##
## *** Models successfully trained. The model object contains the training data minus ignored ID columns.
## *** If there was PHI in training data, normal PHI protocols apply to the model object. ***

#Inspect model specification and performance
readmission_models

## Algorithms Trained: Random Forest, eXtreme Gradient Boosting, and glmnet
## Model Name: dead
## Target: dead
## Class: Classification
## Performance Metric: AUROC
## Number of Observations: 1322
## Number of Features: 989
## Models Trained: 2021-09-08 00:14:48
##
## Models tuned via 5-fold cross validation over 10 combinations of hyperparameter values.
## Best model: Random Forest
## AUPR = 0.97, AUROC = 1
## Optimal hyperparameter values:
##   mtry = 110
##   splitrule = extratrees
##   min.node.size = 12

#Get detailed information about performance over tuning values
summary(readmission_models)

## Models trained: 2021-09-08 00:14:48
##
## Models tuned via 5-fold cross validation over 10 combinations of hyperparameter values.
## Best performance: AUPR = 0.97, AUROC = 1
## By Random Forest with hyperparameters:
##   mtry = 110
##   splitrule = extratrees

```

```
## min.node.size = 12
##
## Out-of-fold performance of all trained models:
##
## $`Random Forest`
## # A tibble: 10 x 9
##   mtry splitrule min.node.size AUROC   Sens   Spec   ROCSD SensSD SpecSD
##   <int> <chr>          <int> <dbl> <dbl> <dbl> <dbl> <dbl> <dbl>
## 1   644 gini             20 1      1      1      0      0      0
## 2   506 gini             18 1      1      1      0      0      0
## 3   256 gini              9 1      1      1      0      0      0
## 4   139 gini             14 1      1      1      0      0      0
## 5   134 extratrees       17 1      1      1      0      0      0
## 6   113 extratrees       12 1      1      1      0      0      0
## 7    57 extratrees        6 1.00 0.712 1      0.000424 0.176 0
## 8    22 extratrees        1 0.976 0.126 0.999 0.0148 0.0560 0.00196
## 9     6 gini              3 0.873 0.00556 1      0.0493 0.0124 0
## 10    1 extratrees       18 0.795 0      1      0.0488 0      0
##
## $`eXtreme Gradient Boosting`
## # A tibble: 10 x 13
##   eta max_depth gamma colsample_bytree min_child_weight subsample nrounds
##   <dbl>    <int> <dbl>          <dbl>          <dbl>    <dbl>    <int>
## 1 0.446      6 1.31            0.541            7.91    0.729    919
## 2 0.0789     2 6.32            0.790            2.23    0.833    543
## 3 0.487      7 6.49            0.771            5.27    0.849    513
## 4 0.209      9 3.20            0.777            8.53    0.523    502
## 5 0.331      8 8.14            0.878            0.392    0.993    453
## 6 0.0236    10 3.77            0.877            1.63    0.767    219
## 7 0.360      6 9.01            0.639            2.66    0.947    209
## 8 0.0258     9 3.70            0.643            6.34    0.672    134
## 9 0.0335     2 9.71            0.576            3.80    0.680     98
## 10 0.213     4 6.05            0.862            6.03    0.845     80
## # ... with 6 more variables: AUROC <dbl>, Sens <dbl>, Spec <dbl>, ROCSD <dbl>,
## #   SensSD <dbl>, SpecSD <dbl>
##
## $glmnet
## # A tibble: 20 x 8
##   alpha lambda AUROC   Sens   Spec   ROCSD SensSD SpecSD
##   <dbl>   <dbl> <dbl> <dbl> <dbl> <dbl> <dbl> <dbl>
## 1    1 0.0816 1      1      1      0      0      0
## 2    1 0.0563 1      1      1      0      0      0
## 3    1 0.0225 1      1      1      0      0      0
## 4    1 0.00839 1      1      1      0      0      0
## 5    1 0.00161 1      1      1      0      0      0
## 6    0 0.0225 1      0.934 1      0      0.0420 0
## 7    0 0.00839 1      0.934 1      0      0.0420 0
## 8    0 0.00161 1      0.934 1      0      0.0420 0
## 9    0 0.0563 1.00 0.830 1      0.0000662 0.0418 0
## 10   0 0.0816 1.00 0.754 1      0.000275 0.0562 0
## 11   0 0.531 0.956 0.317 0.998 0.00303 0.0293 0.00240
## 12   0 0.600 0.949 0.278 0.998 0.00370 0.0377 0.00240
## 13   0 0.644 0.945 0.251 0.998 0.00447 0.0581 0.00240
## 14   0 0.897 0.925 0.180 0.998 0.00666 0.0491 0.00240
```

```
## 15      0 3.42      0.855 0.0165 1      0.0134      0.0151 0
## 16      1 3.42      0.5    0      1      0          0      0
## 17      1 0.897     0.5    0      1      0          0      0
## 18      1 0.644     0.5    0      1      0          0      0
## 19      1 0.600     0.5    0      1      0          0      0
## 20      1 0.531     0.5    0      1      0          0      0
```

```
#Get available performance metrics (AUROC: 0.65)
evaluate(readmission_models)
```

```
##      AUPR      AUROC
## 0.9726727 1.0000000
```

Make predictions (predicted probability of readmission) on test data

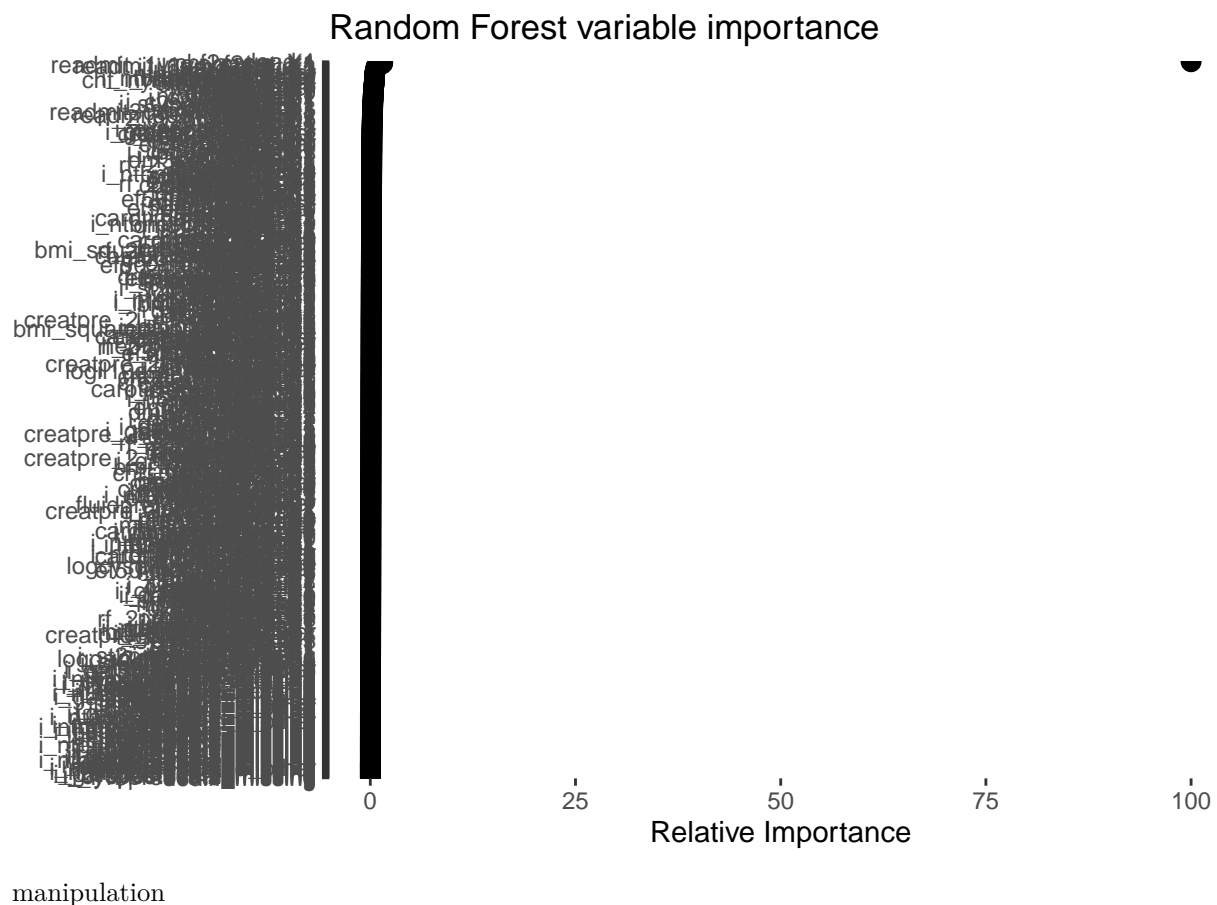
```
predicted_readmission_models <- predict(readmission_models, d$test)
```

```
## Prepping data based on provided recipe
```

```
## Removing the following 48 near-zero variance column(s). If you don't want to remove them, call prep_
## obleed, ocva, oleginf, otia, orf, opneu, rf_1, rf_3, priority_22, rf_r, rf_1_r, rf_3_r, priority_2
```

Plot variable importance plot

```
#Plot variable importance plot
var_imp <- get_variable_importance(readmission_models)
plot(var_imp)
```



```
train_set %>%
  mutate(dead =ifelse(dead=="Y",1,0)) -> train_set
```

```
train_set<-train_set[ , apply(train_set, 2, function(x) !any(is.na(x))))]
summary(train_set)
```

```
## readmit30d_yn_state      dead      oblead      ocva      oleginf      otia
## 0:1196      Min.   :0.0000      0:1304      0:1307      0:1310      0:1318
## 1: 126      1st Qu.:0.0000      1: 18      1: 15      1: 12      1: 4
##
##      Median :0.0000
##      Mean   :0.1384
##      3rd Qu.:0.0000
##      Max.   :1.0000
##
## orf      opneu      oafib2      return      akin      lm2cat      iabppre_2      priormi_21
## 0:1317      0:1298      0:1048      0:1285      0:878      0:876      0:1267      0:721
## 1: 5      1: 24      1: 274      1: 37      1:388      1:446      1: 55      1:601
##
##
##      2: 36
##      3: 20
##
##
##
##
## priormi_22      priormi_23      priormi_24      age_d      rf_1      priority_21
## 0:742      0:999      0:1129      7      :440      0:1311      0:416
## 1:580      1:323      1: 193      8      :379      1: 11      1:906
##
##      6      :328
##      5      : 84
##      9      : 79
##      4      : 10
##
##      (Other): 2
##
## priority_22      pci_ta      efvalue_r      ef50_neg_r      ef50_neg_d_r      atfibyn_2_r
## 0:1299      0:1272      60      :318      0      :982      1:982      0:1225
## 1: 23      1: 50      55      :135      5      : 83      2:201      1: 97
##
##      50      :128      10      : 66      3: 97
##      65      :105      15      : 38      4: 31
##      45      : 83      20      : 27      5: 11
##      40      : 66      3      : 13
##
##      (Other):487      (Other):113
##
## priormi_r      priormi_21_r      priormi_22_r      priormi_23_r      priormi_24_r      age_r
## 0:721      0:721      0:742      0:999      0:1129      69.686516: 3
## 1: 21      1:601      1:580      1:323      1: 193      74.261467: 3
##
##      2:257      44.610542: 2
##      3:130      45.618069: 2
##      4:193      48.985626: 2
##
##      49.519508: 2
##
##      (Other) :1308
##
## age_d_r      ua_r      ua_nmi7_r      chf_r      chf2cat_r      rf_r      rf_1_r
## 7      :440      0:623      0:783      0:1185      0:1184      0:1311      0:1311
## 8      :379      1:699      1:539      1: 71      1: 138      1: 11      1: 11
##
##      6      :328      2: 36
##      5      : 84      4: 30
##
##      9      : 79
##      4      : 10
##
##      (Other): 2
```

```

##          rf_2_r          rf_3_r    priority_r priority_21_r priority_22_r
## 0          :730    0          :1233    1: 23          0:416          0:1299
## 0.10000002:190    0.10000002: 23    2:883          1:906          1: 23
## 0.20000005:138    0.20000005: 18    3:416
## 0.29999995: 78    0.29999995: 11
## 0.39999998: 44    0.39999998: 11
## 0.5          : 42    0.5          : 4
## (Other)      :100    (Other)      : 22
## sex_r      prcabg_r copd_r      anydm_r dm3cat_r dm3cat_21_r dm3cat_22_r iabppre_r
## 0:1015      0:1292    0:1147    0:820    1:820    0:820          0:1187    0:1267
## 1: 307      1: 30      1: 175    1:502    2:367    1:502          1: 135    1: 55
##                                     3:135
##
##
##
##
## anyvad_r vad_r      hyper_r hyperyn_2_r prptca6_r pci_ta_r lm3cat_r lm2cat_r
## 0:965      0:965    0:250    0: 250    0:1044    0:1272    1:876    0:876
## 1:357      1:149    1:701    1:1072    1: 47      1: 50    2:390    1:446
##                                     2: 99      2: 44          2: 228    3: 56
##                                     3: 88      3:327          4: 3
##                                     4: 4
##                                     5: 17
##
## aortic_insuff_r aortic_sten_r chf_nyha_iv_r chf_nyha_ltiv_r smoker_r cvd
## 0:1314          0:1302          0:1297          0:1281          0:1025    0:1085
## 1: 8          1: 20          1: 25          1: 41          1: 297    1: 237
##
##
##
##
## cvd_r          htc_m_r          htc_m_d_r    mitral_insuff_r carotid_sten_r pvd
## 0:1085      175      :112    17      :574    0:1283          0:1212          0:1135
## 1: 237      173      :107    16      :300    1: 39          1: 110          1: 187
##                                     178      : 96    18      :261
##                                     170      : 88    15      :145
##                                     168      : 76    19      : 23
##                                     180      : 76    14      : 14
##                                     (Other):767    (Other): 5
## pvd_r      tricuspid_insuff_r          bmi_r          bmi_squared_r novsl_r
## 0:1135      0:1319          29.042444: 7    843.46356: 7    1:123
## 1: 187      1: 3          30.405293: 7    924.48181: 7    2:494
##                                     26.927437: 6    725.08685: 6    3:705
##                                     28.344671: 6    803.42041: 6
##                                     32.410038: 6    1050.4105: 6
##                                     25.059307: 5    627.96887: 5
##                                     (Other) :1285    (Other) :1285
## readmit_1y_yn_state anyakin creatcat lm50      anymssd lowoutput emerg
## 0:1007          0:878    0:1097    0:876    0:1310    0:1276    0:1299
## 1: 315          1:444    1: 160    1:446    1: 12      1: 46      1: 23
##                                     2: 54
##                                     3: 11
##

```

```

##
##
## urg      elec      bmicat  bmi1      bmi2      bmi3      bmi4      bmi5      bmi6
## 0:439    0:906    1: 7    0:1315    0:1099    0:783    0:956    0:1202    0:1255
## 1:883    1:416    2:223    1: 7    1: 223    1:539    1:366    1: 120    1: 67
##
##          3:539
##          4:366
##          5:120
##          6: 67
##
## lvedpm  anemiapre iabpintra lof1      cardblood cardcold hotshot aoxcon
## 0:877    0:799    0:1292    0:1272    0: 146    0:873    0:399    0:913
## 1:445    1:523    1: 30    1: 50    1:1176    1:449    1:923    1:409
##
##
##
##
## ultrafilyn cabg      valve      cabgvalve gfr60pre male      notcoldcard
## 0:1178    0: 62    0:1312    0:1270    0:995    0: 307    0:449
## 1: 144    1:1260    1: 10    1: 52    1:327    1:1015    1:873
##
##
##
##
##      fluidprel      ptime120      heptotl      heptot5 readmit30d_yn_state.1
## 0          :174    0:978    49.359901: 97    0:996    Min.      :0.00000
## 1          :173    1:344    40          : 62    1:326    1st Qu.:0.00000
## 1.2        :102    35          : 47          Median :0.00000
## 1.5        : 86    45          : 47          Mean   :0.09531
## 0.80000001: 58    50          : 40          3rd Qu.:0.00000
## 1.4        : 54    30          : 37          Max.   :1.00000
## (Other)    :675    (Other) :992
##      dead.1      oblead.1      ocva.1      oleginf.1
## Min.      :0.0000    Min.      :0.00000    Min.      :0.00000    Min.      :0.00000
## 1st Qu.:0.0000    1st Qu.:0.00000    1st Qu.:0.00000    1st Qu.:0.00000
## Median :0.0000    Median :0.00000    Median :0.00000    Median :0.00000
## Mean   :0.1384    Mean   :0.01362    Mean   :0.01135    Mean   :0.009077
## 3rd Qu.:0.0000    3rd Qu.:0.00000    3rd Qu.:0.00000    3rd Qu.:0.00000
## Max.   :1.0000    Max.   :1.00000    Max.   :1.00000    Max.   :1.00000
##
##      otia.1      orf.1      opneu.1      oafib2.1
## Min.      :0.000000    Min.      :0.000000    Min.      :0.00000    Min.      :0.0000
## 1st Qu.:0.000000    1st Qu.:0.000000    1st Qu.:0.00000    1st Qu.:0.0000
## Median :0.000000    Median :0.000000    Median :0.00000    Median :0.0000
## Mean   :0.003026    Mean   :0.003782    Mean   :0.01815    Mean   :0.2073
## 3rd Qu.:0.000000    3rd Qu.:0.000000    3rd Qu.:0.00000    3rd Qu.:0.0000
## Max.   :1.000000    Max.   :1.000000    Max.   :1.00000    Max.   :1.0000
##
##      return.1      akin.1      lm2cat.1      iabppre_2.1
## Min.      :0.00000    Min.      :0.0000    Min.      :0.0000    Min.      :0.0000
## 1st Qu.:0.00000    1st Qu.:0.0000    1st Qu.:0.0000    1st Qu.:0.0000
## Median :0.00000    Median :0.0000    Median :0.0000    Median :0.0000

```

```

## Mean :0.02799 Mean :0.3933 Mean :0.3374 Mean :0.0416
## 3rd Qu.:0.00000 3rd Qu.:1.0000 3rd Qu.:1.0000 3rd Qu.:0.0000
## Max. :1.00000 Max. :3.0000 Max. :1.0000 Max. :1.0000
##
## priormi_21.1 priormi_22.1 priormi_23.1 priormi_24.1
## Min. :0.0000 Min. :0.0000 Min. :0.0000 Min. :0.000
## 1st Qu.:0.0000 1st Qu.:0.0000 1st Qu.:0.0000 1st Qu.:0.000
## Median :0.0000 Median :0.0000 Median :0.0000 Median :0.000
## Mean :0.4546 Mean :0.4387 Mean :0.2443 Mean :0.146
## 3rd Qu.:1.0000 3rd Qu.:1.0000 3rd Qu.:0.0000 3rd Qu.:0.000
## Max. :1.0000 Max. :1.0000 Max. :1.0000 Max. :1.000
##
## age_d.1 rf_1.1 priority_21.1 priority_22.1
## Min. : 3.000 Min. :0.000000 Min. :0.0000 Min. :0.0000
## 1st Qu.: 6.000 1st Qu.:0.000000 1st Qu.:0.0000 1st Qu.:0.0000
## Median : 7.000 Median :0.000000 Median :1.0000 Median :0.0000
## Mean : 7.008 Mean :0.008321 Mean :0.6853 Mean :0.0174
## 3rd Qu.: 8.000 3rd Qu.:0.000000 3rd Qu.:1.0000 3rd Qu.:0.0000
## Max. :10.000 Max. :1.000000 Max. :1.0000 Max. :1.0000
##
## pci_ta.1 efvalue_r.1 ef50_neg_r.1 ef50_neg_d_r.1
## Min. :0.00000 Min. :13.00 Min. : 0.000 Min. :1.000
## 1st Qu.:0.00000 1st Qu.:48.00 1st Qu.: 0.000 1st Qu.:1.000
## Median :0.00000 Median :57.00 Median : 0.000 Median :1.000
## Mean :0.03782 Mean :54.06 Mean : 3.095 Mean :1.402
## 3rd Qu.:0.00000 3rd Qu.:60.00 3rd Qu.: 2.000 3rd Qu.:2.000
## Max. :1.00000 Max. :82.00 Max. :37.000 Max. :5.000
##
## atfibyn_2_r.1 priormi_r.1 priormi_21_r.1 priormi_22_r.1
## Min. :0.00000 Min. :0.000 Min. :0.0000 Min. :0.0000
## 1st Qu.:0.00000 1st Qu.:0.000 1st Qu.:0.0000 1st Qu.:0.0000
## Median :0.00000 Median :0.000 Median :0.0000 Median :0.0000
## Mean :0.07337 Mean :1.284 Mean :0.4546 Mean :0.4387
## 3rd Qu.:0.00000 3rd Qu.:2.000 3rd Qu.:1.0000 3rd Qu.:1.0000
## Max. :1.00000 Max. :4.000 Max. :1.0000 Max. :1.0000
##
## priormi_23_r.1 priormi_24_r.1 age_r.1 age_d_r.1
## Min. :0.0000 Min. :0.000 Min. :25.88 Min. : 3.000
## 1st Qu.:0.0000 1st Qu.:0.000 1st Qu.:57.97 1st Qu.: 6.000
## Median :0.0000 Median :0.000 Median :65.12 Median : 7.000
## Mean :0.2443 Mean :0.146 Mean :65.22 Mean : 7.008
## 3rd Qu.:0.0000 3rd Qu.:0.000 3rd Qu.:73.27 3rd Qu.: 8.000
## Max. :1.0000 Max. :1.000 Max. :92.92 Max. :10.000
##
## ua_r.1 ua_nmi7_r.1 chf_r.1 chf2cat_r.1
## Min. :0.0000 Min. :0.0000 Min. :0.0000 Min. :0.0000
## 1st Qu.:0.0000 1st Qu.:0.0000 1st Qu.:0.0000 1st Qu.:0.0000
## Median :1.0000 Median :0.0000 Median :0.0000 Median :0.0000
## Mean :0.5287 Mean :0.4077 Mean :0.1989 Mean :0.1044
## 3rd Qu.:1.0000 3rd Qu.:1.0000 3rd Qu.:0.0000 3rd Qu.:0.0000
## Max. :1.0000 Max. :1.0000 Max. :4.0000 Max. :1.0000
##
## rf_r.1 rf_1_r.1 rf_2_r.1 rf_3_r.1
## Min. :0.000000 Min. :0.000000 Min. :0.0000 Min. :0.000000

```

```

## 1st Qu.:0.000000 1st Qu.:0.000000 1st Qu.:0.0000 1st Qu.:0.00000
## Median :0.000000 Median :0.000000 Median :0.0000 Median :0.00000
## Mean :0.008321 Mean :0.008321 Mean :0.1562 Mean :0.03931
## 3rd Qu.:0.000000 3rd Qu.:0.000000 3rd Qu.:0.2000 3rd Qu.:0.00000
## Max. :1.000000 Max. :1.000000 Max. :4.0000 Max. :3.50000
##
## priority_r.1 priority_21_r.1 priority_22_r.1 sex_r.1
## Min. :1.000 Min. :0.0000 Min. :0.0000 Min. :0.0000
## 1st Qu.:2.000 1st Qu.:0.0000 1st Qu.:0.0000 1st Qu.:0.0000
## Median :2.000 Median :1.0000 Median :0.0000 Median :0.0000
## Mean :2.297 Mean :0.6853 Mean :0.0174 Mean :0.2322
## 3rd Qu.:3.000 3rd Qu.:1.0000 3rd Qu.:0.0000 3rd Qu.:0.0000
## Max. :3.000 Max. :1.0000 Max. :1.0000 Max. :1.0000
##
## prcabg_r.1 copd_r.1 anydm_r.1 dm3cat_r.1
## Min. :0.00000 Min. :0.0000 Min. :0.0000 Min. :1.000
## 1st Qu.:0.00000 1st Qu.:0.0000 1st Qu.:0.0000 1st Qu.:1.000
## Median :0.00000 Median :0.0000 Median :0.0000 Median :1.000
## Mean :0.02269 Mean :0.1324 Mean :0.3797 Mean :1.482
## 3rd Qu.:0.00000 3rd Qu.:0.0000 3rd Qu.:1.0000 3rd Qu.:2.000
## Max. :1.00000 Max. :1.0000 Max. :1.0000 Max. :3.000
##
## dm3cat_21_r.1 dm3cat_22_r.1 iabppre_r.1 anyvad_r.1
## Min. :0.0000 Min. :0.0000 Min. :0.0000 Min. :0.00
## 1st Qu.:0.0000 1st Qu.:0.0000 1st Qu.:0.0000 1st Qu.:0.00
## Median :0.0000 Median :0.0000 Median :0.0000 Median :0.00
## Mean :0.3797 Mean :0.1021 Mean :0.0416 Mean :0.27
## 3rd Qu.:1.0000 3rd Qu.:0.0000 3rd Qu.:0.0000 3rd Qu.:1.00
## Max. :1.0000 Max. :1.0000 Max. :1.0000 Max. :1.00
##
## vad_r.1 hyper_r.1 hyperyn_2_r.1 prptca6_r.1
## Min. :0.0000 Min. :0.000 Min. :0.0000 Min. :0.0000
## 1st Qu.:0.0000 1st Qu.:1.000 1st Qu.:1.0000 1st Qu.:0.0000
## Median :0.0000 Median :1.000 Median :1.0000 Median :0.0000
## Mean :0.5386 Mean :1.339 Mean :0.8109 Mean :0.3896
## 3rd Qu.:1.0000 3rd Qu.:2.000 3rd Qu.:1.0000 3rd Qu.:0.0000
## Max. :5.0000 Max. :3.000 Max. :1.0000 Max. :4.0000
##
## pci_ta_r.1 lm3cat_r.1 lm2cat_r.1 aortic_insuff_r.1
## Min. :0.00000 Min. :1.00 Min. :0.0000 Min. :0.000000
## 1st Qu.:0.00000 1st Qu.:1.00 1st Qu.:0.0000 1st Qu.:0.000000
## Median :0.00000 Median :1.00 Median :0.0000 Median :0.000000
## Mean :0.03782 Mean :1.38 Mean :0.3374 Mean :0.006051
## 3rd Qu.:0.00000 3rd Qu.:2.00 3rd Qu.:1.0000 3rd Qu.:0.000000
## Max. :1.00000 Max. :3.00 Max. :1.0000 Max. :1.000000
##
## aortic_sten_r.1 chf_nyha_iv_r.1 chf_nyha_ltiv_r.1 smoker_r.1
## Min. :0.00000 Min. :0.00000 Min. :0.00000 Min. :0.0000
## 1st Qu.:0.00000 1st Qu.:0.00000 1st Qu.:0.00000 1st Qu.:0.0000
## Median :0.00000 Median :0.00000 Median :0.00000 Median :0.0000
## Mean :0.01513 Mean :0.01891 Mean :0.03101 Mean :0.2247
## 3rd Qu.:0.00000 3rd Qu.:0.00000 3rd Qu.:0.00000 3rd Qu.:0.0000
## Max. :1.00000 Max. :1.00000 Max. :1.00000 Max. :1.0000
##

```



```

##          cvd.1          cvd_r.1          htcn_r.1          htcn_d_r.1
## Min.      :0.0000    Min.      :0.0000    Min.      :122.1    Min.      :12.00
## 1st Qu.:0.0000    1st Qu.:0.0000    1st Qu.:165.0    1st Qu.:16.00
## Median :0.0000    Median :0.0000    Median :173.0    Median :17.00
## Mean      :0.1793    Mean      :0.1793    Mean      :171.7    Mean      :16.75
## 3rd Qu.:0.0000    3rd Qu.:0.0000    3rd Qu.:178.0    3rd Qu.:17.00
## Max.      :1.0000    Max.      :1.0000    Max.      :203.0    Max.      :20.00
##
## mitral_insuff_r.1 carotid_sten_r.1          pvd.1          pvd_r.1
## Min.      :0.0000    Min.      :0.00000    Min.      :0.0000    Min.      :0.0000
## 1st Qu.:0.0000    1st Qu.:0.00000    1st Qu.:0.0000    1st Qu.:0.0000
## Median :0.0000    Median :0.00000    Median :0.0000    Median :0.0000
## Mean      :0.0295    Mean      :0.08321    Mean      :0.1415    Mean      :0.1415
## 3rd Qu.:0.0000    3rd Qu.:0.00000    3rd Qu.:0.0000    3rd Qu.:0.0000
## Max.      :1.0000    Max.      :1.00000    Max.      :1.0000    Max.      :1.0000
##
## tricuspid_insuff_r.1 bmi_r.1          bmi_squared_r.1          novsl_r.1
## Min.      :0.000000    Min.      :13.57    Min.      : 184.2    Min.      :1.00
## 1st Qu.:0.000000    1st Qu.:25.93    1st Qu.: 672.2    1st Qu.:2.00
## Median :0.000000    Median :29.04    Median : 843.1    Median :3.00
## Mean      :0.002269    Mean      :29.71    Mean      : 913.1    Mean      :2.44
## 3rd Qu.:0.000000    3rd Qu.:32.65    3rd Qu.:1065.8    3rd Qu.:3.00
## Max.      :1.000000    Max.      :56.34    Max.      :3173.7    Max.      :3.00
##
## readmit_1y_yn_state.1 anyakin.1          creatcat.1          lm50.1
## Min.      :0.0000    Min.      :0.0000    Min.      :0.0000    Min.      :0.0000
## 1st Qu.:0.0000    1st Qu.:0.0000    1st Qu.:0.0000    1st Qu.:0.0000
## Median :0.0000    Median :0.0000    Median :0.0000    Median :0.0000
## Mean      :0.2383    Mean      :0.3359    Mean      :0.2277    Mean      :0.3374
## 3rd Qu.:0.0000    3rd Qu.:1.0000    3rd Qu.:0.0000    3rd Qu.:1.0000
## Max.      :1.0000    Max.      :1.0000    Max.      :3.0000    Max.      :1.0000
##
## anymssd.1          lowoutput.1          emerg.1          urg.1
## Min.      :0.000000    Min.      :0.0000    Min.      :0.0000    Min.      :0.0000
## 1st Qu.:0.000000    1st Qu.:0.0000    1st Qu.:0.0000    1st Qu.:0.0000
## Median :0.000000    Median :0.0000    Median :0.0000    Median :1.0000
## Mean      :0.009077    Mean      :0.0348    Mean      :0.0174    Mean      :0.6679
## 3rd Qu.:0.000000    3rd Qu.:0.0000    3rd Qu.:0.0000    3rd Qu.:1.0000
## Max.      :1.000000    Max.      :1.0000    Max.      :1.0000    Max.      :1.0000
##
## elec.1          bmicat.1          bmi1.1          bmi2.1
## Min.      :0.0000    Min.      :1.000    Min.      :0.000000    Min.      :0.0000
## 1st Qu.:0.0000    1st Qu.:3.000    1st Qu.:0.000000    1st Qu.:0.0000
## Median :0.0000    Median :3.000    Median :0.000000    Median :0.0000
## Mean      :0.3147    Mean      :3.431    Mean      :0.005295    Mean      :0.1687
## 3rd Qu.:1.0000    3rd Qu.:4.000    3rd Qu.:0.000000    3rd Qu.:0.0000
## Max.      :1.0000    Max.      :6.000    Max.      :1.000000    Max.      :1.0000
##
## bmi3.1          bmi4.1          bmi5.1          bmi6.1
## Min.      :0.0000    Min.      :0.0000    Min.      :0.00000    Min.      :0.00000
## 1st Qu.:0.0000    1st Qu.:0.0000    1st Qu.:0.00000    1st Qu.:0.00000
## Median :0.0000    Median :0.0000    Median :0.00000    Median :0.00000
## Mean      :0.4077    Mean      :0.2769    Mean      :0.09077    Mean      :0.05068
## 3rd Qu.:1.0000    3rd Qu.:1.0000    3rd Qu.:0.00000    3rd Qu.:0.00000

```

```
## Max. :1.0000 Max. :1.0000 Max. :1.00000 Max. :1.00000
##
## lvedpm.1 anemiapre.1 iabpintra.1 lof1.1
## Min. :0.0000 Min. :0.0000 Min. :0.00000 Min. :0.00000
## 1st Qu.:0.0000 1st Qu.:0.0000 1st Qu.:0.00000 1st Qu.:0.00000
## Median :0.0000 Median :0.0000 Median :0.00000 Median :0.00000
## Mean :0.3366 Mean :0.3956 Mean :0.02269 Mean :0.03782
## 3rd Qu.:1.0000 3rd Qu.:1.0000 3rd Qu.:0.00000 3rd Qu.:0.00000
## Max. :1.0000 Max. :1.0000 Max. :1.00000 Max. :1.00000
##
## cardblood.1 cardcold.1 hotshot.1 aoxcon.1
## Min. :0.0000 Min. :0.0000 Min. :0.0000 Min. :0.0000
## 1st Qu.:1.0000 1st Qu.:0.0000 1st Qu.:0.0000 1st Qu.:0.0000
## Median :1.0000 Median :0.0000 Median :1.0000 Median :0.0000
## Mean :0.8896 Mean :0.3396 Mean :0.6982 Mean :0.3094
## 3rd Qu.:1.0000 3rd Qu.:1.0000 3rd Qu.:1.0000 3rd Qu.:1.0000
## Max. :1.0000 Max. :1.0000 Max. :1.0000 Max. :1.0000
##
## ultrafilyn.1 cabg.1 valve.1 cabgvalve.1
## Min. :0.0000 Min. :0.0000 Min. :0.000000 Min. :0.00000
## 1st Qu.:0.0000 1st Qu.:1.0000 1st Qu.:0.000000 1st Qu.:0.00000
## Median :0.0000 Median :1.0000 Median :0.000000 Median :0.00000
## Mean :0.1089 Mean :0.9531 Mean :0.007564 Mean :0.03933
## 3rd Qu.:0.0000 3rd Qu.:1.0000 3rd Qu.:0.000000 3rd Qu.:0.00000
## Max. :1.0000 Max. :1.0000 Max. :1.000000 Max. :1.00000
##
## gfr60pre.1 male.1 notcoldcard.1 fluidprel.1
## Min. :0.0000 Min. :0.0000 Min. :0.0000 Min. :0.000
## 1st Qu.:0.0000 1st Qu.:1.0000 1st Qu.:0.0000 1st Qu.:0.600
## Median :0.0000 Median :1.0000 Median :1.0000 Median :1.000
## Mean :0.2474 Mean :0.7678 Mean :0.6604 Mean :1.035
## 3rd Qu.:0.0000 3rd Qu.:1.0000 3rd Qu.:1.0000 3rd Qu.:1.500
## Max. :1.0000 Max. :1.0000 Max. :1.0000 Max. :4.000
##
## ptime120.1 heptotl.1 heptot5.1 train
## Min. :0.0000 Min. : 1.10 Min. :0.0000 Min. :0.0000
## 1st Qu.:0.0000 1st Qu.: 35.00 1st Qu.:0.0000 1st Qu.:1.0000
## Median :0.0000 Median : 43.00 Median :0.0000 Median :1.0000
## Mean :0.2602 Mean : 42.55 Mean :0.2466 Mean :0.8071
## 3rd Qu.:1.0000 3rd Qu.: 49.36 3rd Qu.:0.0000 3rd Qu.:1.0000
## Max. :1.0000 Max. :110.00 Max. :1.0000 Max. :1.0000
##
```

```
train_set <- train_set[ -c(1,3:113) ]
```

Compute Random forest with in built R package, so I can get AUROC and CIAUROC is 0.6231

```
rf.model <- randomForest(dead ~., data= train_set)
```

```
## Warning in randomForest.default(m, y, ...): The response has five or fewer
## unique values. Are you sure you want to do regression?
```

```
rf.pred <- predict(rf.model, test_set)
ROC.rf <- pROC :: roc(test_set$dead, rf.pred)
```

```
## Setting levels: control = N, case = Y
```

```
## Setting direction: controls < cases
```

```
AUROC.rf <- pROC :: auc(ROC.rf)
CI.AUROC.rf <- pROC :: ci.auc(AUROC.rf)
```

```
## Warning in ci.auc.roc(roc, reuse.auc = TRUE, ...): ci.auc() of a ROC curve with
## AUC == 1 is always 1-1 and can be misleading.
```

```
AUROC for the train set is 0.6088
```

```
rf.predTrain <- predict(rf.model)
rf.predTrain
```

```
##          1          2          3          4          5
## -1.110223e-16  1.069519e-02  5.434783e-03 -1.110223e-16  1.707317e-02
##          6          7          8         10         11
## -1.110223e-16  6.134969e-03 -1.110223e-16 -1.110223e-16  7.845745e-02
##          12         13         14         16         17
## -1.110223e-16 -1.110223e-16 -1.110223e-16  9.845361e-01 -1.110223e-16
##          18         19         20         21         23
## -1.110223e-16 -1.110223e-16 -1.110223e-16  9.655797e-01  1.666667e-02
##          25         26         27         28         29
##  9.386809e-01  1.595745e-02 -1.110223e-16  5.681818e-03 -1.110223e-16
##          30         33         34         35         36
##  1.960784e-03  5.154639e-03  1.276961e-01  1.380671e-02 -1.110223e-16
##          37         38         39         40         41
##  2.775558e-17 -1.110223e-16  5.524862e-03  9.662921e-01 -1.110223e-16
##          43         44         45         46         47
##  5.555556e-03 -1.110223e-16 -5.551115e-17  5.376344e-03 -1.110223e-16
##          48         49         50         51         52
## -8.326673e-17  1.108374e-02  5.405405e-03  1.516393e-01  5.524862e-03
##          54         55         56         57         58
##  1.000000e+00  1.621622e-02  9.828571e-01  1.041667e-02  1.104972e-02
##          59         60         62         65         67
## -1.110223e-16 -1.110223e-16 -1.110223e-16 -1.110223e-16  5.347594e-03
##          68         69         70         71         72
##  2.197802e-03 -1.110223e-16 -1.110223e-16  1.045045e-02  3.831418e-03
##          73         74         75         76         77
## -1.110223e-16 -1.110223e-16 -1.110223e-16  5.347594e-02  9.735974e-01
##          79         80         81         83         87
##  9.518018e-01 -1.110223e-16  9.948718e-01  6.329114e-03  8.782435e-03
##          88         89         90         91         92
## -1.110223e-16  2.380952e-02 -1.110223e-16  7.062147e-03 -1.110223e-16
##          93         94         95         96         97
##  9.479675e-01  3.401361e-03 -1.110223e-16  9.888268e-01  5.649718e-03
##          98         99        100        101        102
## -1.110223e-16  6.172840e-03  3.663004e-03 -1.110223e-16 -1.110223e-16
##         103        105        107        108        109
## -1.110223e-16 -1.110223e-16  9.883721e-01  1.647834e-02  5.276382e-03
##         110        112        113        116        118
## -1.110223e-16  5.649718e-03  9.833333e-01  5.586592e-03  2.528409e-02
##         119        120        121        122        123
##  1.197318e-02 -1.110223e-16  9.731183e-01 -1.110223e-16 -1.110223e-16
##         124        125        126        127        128
##  5.405405e-03 -1.110223e-16  9.871795e-01 -3.053113e-16  5.586592e-03
##         129        131        132        134        136
```

##	-1.110223e-16	-1.110223e-16	9.896907e-01	-1.110223e-16	-1.110223e-16
##	137	139	140	141	142
##	9.898305e-01	5.291005e-03	1.149425e-02	-1.110223e-16	9.731959e-01
##	144	146	147	148	149
##	3.745318e-03	-1.110223e-16	-1.110223e-16	-1.110223e-16	9.867725e-01
##	150	151	154	155	156
##	-1.110223e-16	1.706161e-02	-1.110223e-16	-1.110223e-16	-1.110223e-16
##	157	158	159	160	161
##	9.162304e-03	-1.110223e-16	2.032086e-02	5.524862e-03	2.339181e-02
##	162	163	164	166	167
##	-1.110223e-16	-1.110223e-16	5.524862e-03	9.736111e-01	-1.110223e-16
##	168	169	170	171	172
##	-1.110223e-16	2.130682e-02	9.561170e-01	-1.110223e-16	-1.110223e-16
##	174	175	176	177	179
##	3.225806e-02	3.683241e-03	-1.110223e-16	8.139535e-03	8.287293e-03
##	180	181	183	184	185
##	-1.110223e-16	9.638554e-03	9.813875e-01	-1.110223e-16	-1.110223e-16
##	186	188	190	193	194
##	-1.110223e-16	9.879781e-01	8.838384e-03	-1.110223e-16	2.666667e-02
##	195	196	198	199	200
##	5.102041e-03	4.846939e-02	1.373626e-03	3.005181e-02	1.530055e-02
##	202	203	204	205	206
##	-1.110223e-16	5.235602e-03	4.469274e-03	5.154639e-03	-1.110223e-16
##	209	210	211	212	214
##	5.319149e-03	1.527051e-02	-1.110223e-16	5.747126e-03	1.030928e-02
##	215	216	217	218	220
##	-1.110223e-16	5.181347e-03	-1.110223e-16	1.714286e-02	5.524862e-03
##	222	223	224	225	226
##	-5.551115e-17	8.791209e-03	1.000000e+00	-1.110223e-16	-1.110223e-16
##	227	228	229	230	231
##	-1.110223e-16	2.566845e-02	4.331683e-02	5.235602e-03	-1.110223e-16
##	232	233	234	236	238
##	9.861272e-01	-1.110223e-16	-1.110223e-16	1.069519e-02	5.347594e-03
##	239	241	242	243	246
##	-1.110223e-16	-1.110223e-16	-1.110223e-16	5.494505e-03	3.944773e-03
##	248	249	250	251	252
##	-1.110223e-16	1.714286e-02	1.178010e-02	-1.110223e-16	-1.110223e-16
##	254	255	256	257	258
##	9.333333e-01	5.154639e-03	5.555556e-03	5.208333e-03	-1.110223e-16
##	259	261	262	264	265
##	5.000000e-03	9.940828e-01	-1.110223e-16	5.376344e-03	2.659574e-03
##	266	267	268	269	270
##	2.906977e-03	2.789855e-02	9.886364e-01	-1.110223e-16	9.114583e-03
##	272	273	275	276	277
##	2.192982e-02	6.024096e-03	-1.110223e-16	-1.110223e-16	2.951389e-02
##	278	279	280	281	282
##	4.419890e-02	-1.110223e-16	3.680556e-02	-1.110223e-16	9.207317e-01
##	283	285	286	287	290
##	1.342593e-02	9.654070e-01	-1.110223e-16	-1.110223e-16	9.733333e-01
##	291	292	293	295	299
##	9.803922e-01	-1.110223e-16	-1.110223e-16	1.339713e-02	-1.110223e-16
##	302	303	305	306	308
##	1.257143e-02	3.045685e-02	-1.110223e-16	3.717320e-02	-1.110223e-16
##	309	310	311	312	313

##	-1.110223e-16	-1.110223e-16	9.336538e-01	1.098901e-02	5.681818e-03
##	314	315	318	319	322
##	2.732240e-03	-1.110223e-16	2.674419e-02	-1.110223e-16	4.324324e-03
##	323	324	325	327	328
##	3.500000e-02	-1.110223e-16	9.673874e-01	9.746193e-01	-1.110223e-16
##	329	331	332	335	336
##	-1.110223e-16	-1.110223e-16	1.612903e-02	-1.110223e-16	-1.110223e-16
##	339	340	341	342	343
##	1.675978e-02	5.586592e-03	1.675042e-03	-1.110223e-16	-5.551115e-17
##	344	345	346	347	349
##	-1.110223e-16	1.010101e-02	-1.110223e-16	5.780347e-03	1.136364e-02
##	350	351	352	357	358
##	3.086420e-02	5.405405e-03	2.137871e-02	9.866667e-01	5.405405e-03
##	360	361	362	363	365
##	-1.110223e-16	5.128205e-03	5.128205e-03	4.975124e-03	4.787234e-02
##	366	367	368	370	371
##	5.102041e-03	-1.110223e-16	-1.110223e-16	-1.110223e-16	8.762887e-02
##	372	373	374	375	376
##	-1.110223e-16	9.510870e-01	5.154639e-03	-1.110223e-16	2.372742e-02
##	377	379	380	382	383
##	1.394558e-02	9.841270e-01	9.779487e-01	1.262626e-02	5.586592e-03
##	384	385	387	389	390
##	1.086957e-02	-1.110223e-16	-1.110223e-16	1.025641e-02	1.612903e-02
##	391	393	395	397	398
##	2.994012e-02	2.142857e-02	-1.110223e-16	-1.110223e-16	3.490401e-03
##	399	400	401	402	403
##	-1.110223e-16	9.884393e-01	-1.110223e-16	4.597701e-02	3.472222e-03
##	405	407	409	410	412
##	-1.110223e-16	4.416244e-02	2.500000e-03	1.845992e-02	-1.110223e-16
##	413	414	415	416	417
##	9.843750e-01	9.945652e-01	-1.110223e-16	-1.110223e-16	-1.110223e-16
##	418	419	420	421	424
##	9.717949e-01	5.235602e-03	-1.110223e-16	-1.110223e-16	-1.110223e-16
##	425	427	428	429	430
##	-1.110223e-16	9.951923e-01	1.657459e-02	-1.110223e-16	9.950000e-01
##	431	432	433	434	435
##	9.947368e-01	3.743017e-02	4.707904e-02	-1.110223e-16	-1.110223e-16
##	436	437	438	439	440
##	-1.110223e-16	-5.551115e-17	9.850746e-01	2.814371e-02	5.347594e-03
##	441	442	443	444	445
##	-1.110223e-16	6.521739e-03	-1.110223e-16	1.638577e-02	-1.110223e-16
##	446	447	448	449	450
##	5.847953e-03	9.885057e-01	-1.110223e-16	5.376344e-03	1.000000e+00
##	451	453	455	457	459
##	-1.110223e-16	4.975124e-03	1.364522e-02	-1.110223e-16	-1.110223e-16
##	460	461	462	463	464
##	-1.110223e-16	-1.110223e-16	-1.110223e-16	-1.110223e-16	-1.110223e-16
##	465	466	467	470	471
##	1.913265e-02	3.683241e-03	7.812500e-03	9.696970e-01	2.263682e-02
##	473	474	475	476	477
##	8.680556e-02	-1.110223e-16	-1.110223e-16	-1.110223e-16	9.893617e-01
##	478	480	481	482	483
##	4.358238e-02	1.692047e-03	5.467372e-02	-1.110223e-16	-1.110223e-16
##	484	486	487	489	491

##	9.863799e-01	6.147541e-02	2.136752e-03	1.403509e-02	-1.110223e-16
##	492	493	494	496	497
##	-1.110223e-16	-1.110223e-16	5.376344e-03	-1.110223e-16	9.767760e-01
##	499	500	503	504	505
##	-1.110223e-16	-1.110223e-16	-1.110223e-16	-1.110223e-16	-1.110223e-16
##	507	508	509	510	511
##	4.237288e-03	-1.110223e-16	-8.326673e-17	9.653179e-01	-1.110223e-16
##	512	513	514	516	518
##	-1.110223e-16	9.734694e-01	-1.110223e-16	4.814815e-03	1.630435e-02
##	519	520	521	522	523
##	-1.110223e-16	1.212121e-02	-1.110223e-16	-1.110223e-16	5.050505e-03
##	524	527	528	529	530
##	-1.110223e-16	-1.110223e-16	1.030928e-02	9.707895e-01	-1.110223e-16
##	531	532	534	535	536
##	-1.110223e-16	-1.110223e-16	-1.110223e-16	-1.110223e-16	-1.110223e-16
##	537	538	539	540	541
##	5.464481e-03	-1.110223e-16	1.104972e-02	8.697632e-02	-1.110223e-16
##	542	543	544	545	546
##	-1.110223e-16	-1.110223e-16	5.747126e-03	1.728723e-02	-1.110223e-16
##	547	548	549	550	551
##	-1.110223e-16	-1.110223e-16	-1.110223e-16	-1.110223e-16	-1.110223e-16
##	552	553	554	555	557
##	4.000000e-02	9.383585e-01	3.506744e-02	-1.110223e-16	9.832402e-01
##	558	559	560	562	563
##	-1.110223e-16	-1.110223e-16	1.538462e-02	-1.110223e-16	5.917160e-03
##	564	565	566	567	568
##	-1.110223e-16	5.747126e-03	-1.110223e-16	-1.110223e-16	-1.110223e-16
##	569	570	573	574	575
##	-5.551115e-17	-1.110223e-16	5.270270e-02	1.821494e-03	-1.110223e-16
##	576	577	578	579	580
##	9.947368e-01	9.725275e-01	1.111111e-02	-1.110223e-16	-1.110223e-16
##	581	583	584	585	586
##	9.643678e-01	1.366120e-03	-1.110223e-16	9.729630e-01	-1.110223e-16
##	587	588	589	590	591
##	-1.110223e-16	5.714286e-03	5.524862e-03	4.591837e-02	-1.110223e-16
##	593	594	595	596	597
##	1.048689e-02	2.445652e-02	1.899827e-02	8.652095e-03	-1.110223e-16
##	599	601	602	603	604
##	-1.110223e-16	9.781421e-01	9.728261e-01	-1.110223e-16	-1.110223e-16
##	605	606	608	609	610
##	-1.110223e-16	-1.110223e-16	-3.053113e-16	4.830918e-03	-1.110223e-16
##	611	613	614	615	616
##	3.086420e-02	5.050505e-03	5.681818e-03	9.945055e-01	-1.110223e-16
##	617	618	619	620	621
##	5.617978e-03	3.947368e-02	-1.110223e-16	-1.110223e-16	-1.110223e-16
##	623	624	625	626	628
##	-1.110223e-16	5.649718e-03	5.714286e-03	-1.110223e-16	-1.110223e-16
##	629	631	632	633	634
##	3.891892e-02	2.456647e-02	1.086957e-02	-1.110223e-16	-1.110223e-16
##	636	637	638	639	641
##	-1.110223e-16	5.076142e-03	3.186275e-02	-1.110223e-16	-1.110223e-16
##	643	646	647	648	650
##	-1.110223e-16	-1.110223e-16	-1.110223e-16	-1.110223e-16	-1.110223e-16
##	651	652	653	654	655

##	1.656627e-02	-1.110223e-16	1.047120e-02	-1.110223e-16	-1.110223e-16
##	656	658	659	660	661
##	-1.110223e-16	-1.110223e-16	-1.110223e-16	3.386076e-02	-1.110223e-16
##	663	665	666	668	671
##	-5.551115e-17	-1.110223e-16	4.807692e-02	4.690722e-02	-1.110223e-16
##	672	673	674	675	676
##	-1.110223e-16	9.822660e-01	-1.110223e-16	-1.110223e-16	-1.110223e-16
##	677	678	680	681	682
##	-1.110223e-16	1.891892e-02	-1.110223e-16	9.893048e-01	5.291005e-03
##	684	685	686	689	690
##	9.628743e-01	9.296875e-01	5.780347e-03	-1.110223e-16	-1.110223e-16
##	692	693	695	697	698
##	-1.110223e-16	9.702703e-01	-1.110223e-16	2.890173e-03	2.127660e-03
##	699	700	701	702	703
##	2.784810e-02	9.660804e-01	-1.110223e-16	-1.110223e-16	5.847953e-03
##	704	705	706	707	708
##	1.533742e-03	-1.110223e-16	-1.110223e-16	4.065041e-03	1.570048e-02
##	709	711	713	715	716
##	6.140351e-03	1.857923e-02	-1.110223e-16	-1.110223e-16	2.290448e-02
##	718	720	721	723	724
##	-1.110223e-16	6.906077e-03	9.564246e-01	9.477273e-01	2.185792e-03
##	726	727	728	730	731
##	-1.110223e-16	9.627072e-01	-5.551115e-17	-1.110223e-16	-1.110223e-16
##	732	734	735	736	737
##	-1.110223e-16	-1.110223e-16	5.681818e-03	3.888889e-02	3.243243e-03
##	738	739	741	742	744
##	-1.110223e-16	2.688172e-02	9.387255e-01	1.160862e-02	9.441341e-01
##	745	748	750	751	752
##	-1.110223e-16	-1.110223e-16	-1.110223e-16	-1.110223e-16	1.123596e-02
##	753	754	755	756	757
##	-1.110223e-16	4.283054e-02	9.828571e-01	-1.110223e-16	-1.110223e-16
##	758	760	761	762	764
##	-1.110223e-16	1.229050e-02	-1.110223e-16	-1.110223e-16	5.050505e-03
##	765	767	768	769	770
##	4.153005e-02	-1.110223e-16	8.426966e-03	9.623299e-01	1.081081e-02
##	771	772	773	774	775
##	1.461988e-03	-1.110223e-16	-1.110223e-16	-1.110223e-16	9.495305e-01
##	777	778	779	780	781
##	5.319149e-03	3.208556e-03	5.617978e-03	5.291005e-03	-1.110223e-16
##	782	783	784	785	786
##	9.830508e-01	4.261364e-03	9.671848e-03	6.289308e-03	2.173913e-02
##	787	788	789	790	791
##	1.010101e-03	1.587302e-02	-1.110223e-16	1.351351e-03	7.272727e-02
##	792	794	796	797	798
##	-1.110223e-16	6.258333e-02	9.885714e-01	4.076087e-03	-1.110223e-16
##	800	801	803	804	805
##	-1.110223e-16	-1.110223e-16	9.770115e-01	-5.551115e-17	6.382979e-03
##	806	807	808	809	811
##	2.747253e-03	5.376344e-03	2.420857e-02	1.041667e-02	-1.110223e-16
##	812	813	814	815	816
##	1.800000e-02	-1.110223e-16	-1.110223e-16	5.347594e-03	4.245614e-02
##	817	819	820	821	824
##	1.204819e-02	-1.110223e-16	5.076142e-03	5.050505e-03	5.434783e-03
##	825	826	827	829	830

##	2.617801e-03	-1.110223e-16	-3.053113e-16	9.684685e-01	6.559140e-02
##	831	832	833	834	837
##	1.398964e-02	3.169399e-02	1.724138e-02	-3.330669e-16	-1.110223e-16
##	838	839	840	842	843
##	1.621622e-02	-1.110223e-16	-1.110223e-16	1.000000e+00	9.412835e-01
##	844	845	846	847	848
##	5.235602e-03	9.845361e-01	-1.110223e-16	1.621622e-02	-1.110223e-16
##	849	850	851	852	853
##	6.024096e-03	-1.110223e-16	-1.110223e-16	-1.110223e-16	1.020408e-03
##	854	857	858	859	862
##	3.370787e-03	1.069519e-03	-1.110223e-16	1.396648e-03	5.649718e-03
##	863	865	866	867	868
##	9.805825e-01	-1.110223e-16	-1.110223e-16	9.834951e-01	5.524862e-03
##	869	870	871	872	873
##	9.696809e-01	-1.110223e-16	-1.110223e-16	-1.110223e-16	3.409091e-02
##	874	875	876	877	878
##	1.432292e-02	-1.110223e-16	-1.110223e-16	1.063830e-03	-1.110223e-16
##	879	880	881	882	883
##	8.706468e-03	5.319149e-03	1.445087e-02	1.169591e-02	1.000000e+00
##	884	885	887	888	889
##	1.734104e-02	-1.110223e-16	4.830918e-03	-1.110223e-16	2.127660e-02
##	890	891	893	894	895
##	4.103261e-02	-1.110223e-16	9.946237e-01	-1.110223e-16	4.950495e-03
##	896	897	900	901	902
##	9.592391e-01	-1.110223e-16	-1.110223e-16	-1.110223e-16	-1.110223e-16
##	905	906	907	909	910
##	-1.110223e-16	-1.110223e-16	1.572650e-02	1.052632e-02	5.376344e-03
##	911	912	913	915	917
##	-1.110223e-16	5.291005e-03	2.139037e-02	-1.110223e-16	-1.110223e-16
##	919	920	921	922	923
##	2.059925e-02	2.325581e-02	-1.110223e-16	9.846995e-01	9.326425e-01
##	924	925	926	927	928
##	-1.110223e-16	-1.110223e-16	-3.053113e-16	-1.110223e-16	5.434783e-03
##	931	933	935	936	937
##	-1.110223e-16	-1.110223e-16	-1.110223e-16	-1.110223e-16	1.886792e-02
##	938	939	940	941	942
##	-1.110223e-16	9.322034e-03	-1.110223e-16	5.405405e-03	1.011058e-02
##	944	945	946	947	948
##	-1.110223e-16	3.236246e-02	-1.110223e-16	-1.110223e-16	-1.110223e-16
##	949	950	951	952	953
##	-1.110223e-16	3.960396e-03	9.818182e-01	-1.110223e-16	-1.110223e-16
##	954	955	956	957	958
##	-2.775558e-16	2.209945e-02	1.117318e-02	5.780347e-03	-1.110223e-16
##	959	960	962	963	964
##	-1.110223e-16	-1.110223e-16	5.586592e-03	5.617978e-03	-1.110223e-16
##	966	967	968	969	971
##	-1.110223e-16	5.076142e-03	-1.110223e-16	2.727273e-02	-1.110223e-16
##	972	973	974	977	978
##	-1.110223e-16	-1.110223e-16	-1.110223e-16	-1.110223e-16	8.333333e-03
##	979	980	981	982	983
##	9.384921e-01	-1.110223e-16	-5.551115e-17	-5.551115e-17	-1.110223e-16
##	984	985	986	988	989
##	-1.110223e-16	9.757282e-01	1.736111e-02	-1.110223e-16	-1.110223e-16
##	990	991	992	994	995

##	-1.110223e-16	2.272727e-02	1.063830e-02	-1.110223e-16	8.771930e-03
##	996	997	999	1000	1002
##	-1.110223e-16	5.263158e-03	-1.110223e-16	9.861751e-01	9.945055e-01
##	1004	1005	1006	1007	1008
##	-1.110223e-16	9.554974e-01	6.967985e-02	-5.551115e-17	1.221640e-02
##	1009	1010	1011	1012	1016
##	5.847953e-03	8.247423e-03	-1.110223e-16	5.154639e-03	9.803922e-03
##	1017	1018	1019	1020	1022
##	-1.110223e-16	-1.110223e-16	-1.110223e-16	1.045045e-02	5.291005e-03
##	1023	1024	1026	1027	1028
##	1.130653e-02	1.282051e-02	-1.110223e-16	1.462585e-02	-1.110223e-16
##	1029	1030	1031	1032	1033
##	5.405405e-03	3.724395e-03	2.487562e-02	2.146893e-02	-1.110223e-16
##	1034	1035	1037	1038	1039
##	4.894180e-02	-1.110223e-16	-3.053113e-16	-1.110223e-16	2.051282e-02
##	1040	1041	1042	1043	1044
##	-1.110223e-16	4.822097e-02	-1.110223e-16	3.217822e-02	9.897959e-01
##	1045	1046	1047	1048	1049
##	-1.110223e-16	2.796935e-02	-1.110223e-16	-1.110223e-16	1.453488e-03
##	1050	1051	1052	1053	1054
##	-1.110223e-16	8.247423e-03	9.837838e-01	-1.110223e-16	9.832402e-01
##	1055	1056	1057	1058	1059
##	9.494949e-01	4.299645e-02	3.859649e-02	-1.110223e-16	9.889503e-01
##	1060	1061	1062	1063	1064
##	3.367003e-03	1.621622e-02	-1.110223e-16	-1.110223e-16	-1.110223e-16
##	1065	1067	1068	1071	1072
##	8.680556e-03	-1.110223e-16	-1.110223e-16	5.291005e-03	-1.110223e-16
##	1074	1075	1076	1079	1080
##	9.745150e-01	1.125000e-02	4.492386e-02	2.840909e-03	-1.110223e-16
##	1081	1084	1085	1086	1089
##	1.000000e+00	-1.110223e-16	9.602763e-01	2.463054e-03	-1.110223e-16
##	1090	1091	1092	1093	1094
##	-1.110223e-16	-1.110223e-16	-1.110223e-16	5.617978e-03	9.932318e-01
##	1095	1096	1097	1098	1100
##	-1.110223e-16	9.625468e-01	-1.110223e-16	1.016949e-02	-1.110223e-16
##	1102	1103	1104	1105	1106
##	-1.110223e-16	-1.110223e-16	9.459459e-03	7.168459e-03	9.768271e-01
##	1107	1108	1109	1110	1113
##	-1.110223e-16	-1.110223e-16	5.113636e-02	9.713299e-01	-1.110223e-16
##	1114	1115	1116	1117	1118
##	5.747126e-03	9.722222e-01	1.215278e-02	1.893939e-03	5.235602e-03
##	1119	1120	1121	1122	1123
##	8.663366e-03	-1.110223e-16	1.015228e-02	9.404922e-01	-1.110223e-16
##	1124	1126	1129	1130	1131
##	9.682540e-01	9.750000e-01	1.694915e-02	4.861878e-02	9.829545e-01
##	1132	1133	1135	1136	1137
##	5.025126e-03	-1.110223e-16	9.904762e-01	-1.110223e-16	-1.110223e-16
##	1138	1139	1141	1142	1143
##	9.784483e-01	-1.110223e-16	-1.110223e-16	-1.110223e-16	-1.110223e-16
##	1144	1145	1147	1149	1150
##	2.247191e-02	1.086957e-02	7.901235e-02	2.045455e-02	-1.110223e-16
##	1151	1152	1153	1154	1155
##	5.434783e-03	5.291005e-03	5.405405e-03	5.319149e-03	5.376344e-03
##	1156	1157	1158	1159	1160

##	5.434783e-03	2.245989e-02	-1.110223e-16	1.129944e-02	8.426966e-02
##	1161	1162	1164	1165	1166
##	-1.110223e-16	1.000000e+00	-1.110223e-16	5.813953e-03	3.102837e-02
##	1167	1168	1169	1170	1171
##	-1.110223e-16	5.376344e-03	9.608939e-01	4.888268e-02	-1.110223e-16
##	1172	1176	1178	1180	1181
##	2.261307e-02	9.629630e-01	-1.110223e-16	-1.110223e-16	-1.110223e-16
##	1182	1183	1184	1185	1186
##	-1.110223e-16	5.494505e-03	5.208333e-03	2.758621e-02	-1.110223e-16
##	1188	1189	1190	1191	1192
##	-1.110223e-16	-1.110223e-16	9.633911e-03	-1.110223e-16	9.693878e-01
##	1193	1195	1196	1197	1198
##	4.143646e-03	-1.110223e-16	2.950980e-02	5.347594e-03	8.793970e-03
##	1200	1201	1202	1203	1204
##	9.518519e-01	-1.110223e-16	-1.110223e-16	9.604520e-01	2.757417e-02
##	1205	1206	1207	1209	1213
##	-1.110223e-16	9.846014e-01	9.734463e-01	5.102041e-03	-1.110223e-16
##	1214	1215	1216	1217	1218
##	9.747024e-01	4.148936e-02	9.943503e-01	9.591160e-01	2.127660e-02
##	1219	1220	1221	1222	1223
##	-1.110223e-16	-1.110223e-16	-1.110223e-16	-1.110223e-16	1.190476e-02
##	1224	1225	1226	1227	1228
##	9.604396e-01	-1.110223e-16	4.975124e-03	4.578755e-02	-1.110223e-16
##	1229	1230	1232	1233	1234
##	2.118644e-02	3.709056e-02	8.659794e-02	-1.110223e-16	6.020942e-03
##	1235	1236	1237	1238	1239
##	1.780952e-02	9.840426e-01	-1.110223e-16	-1.110223e-16	-1.110223e-16
##	1240	1241	1242	1243	1244
##	-1.110223e-16	-1.110223e-16	-1.110223e-16	-1.110223e-16	1.538462e-02
##	1246	1247	1248	1249	1250
##	2.659574e-02	6.185567e-03	-1.110223e-16	5.988024e-03	7.272727e-03
##	1251	1252	1254	1256	1257
##	2.692308e-02	-1.110223e-16	-1.110223e-16	2.688172e-02	-1.110223e-16
##	1258	1259	1260	1261	1262
##	-1.110223e-16	2.432432e-03	1.196809e-02	-1.110223e-16	3.963964e-02
##	1263	1266	1268	1270	1271
##	-1.110223e-16	4.143646e-02	1.506024e-02	9.606061e-01	1.153846e-02
##	1273	1274	1275	1276	1277
##	-1.110223e-16	7.993019e-02	3.225806e-03	-1.110223e-16	2.824859e-03
##	1278	1279	1280	1282	1283
##	-1.110223e-16	2.538071e-03	5.780347e-03	-1.110223e-16	4.650092e-02
##	1284	1285	1287	1289	1290
##	-1.110223e-16	9.805714e-01	1.058201e-02	2.335165e-02	9.835165e-01
##	1291	1292	1293	1294	1295
##	1.136364e-02	-1.110223e-16	1.979742e-02	1.058201e-02	9.723485e-01
##	1296	1297	1298	1299	1301
##	1.944444e-02	1.114082e-02	1.234568e-02	3.324742e-02	9.813433e-01
##	1302	1303	1304	1305	1306
##	9.666667e-01	-1.110223e-16	1.736111e-03	-1.110223e-16	-1.110223e-16
##	1307	1308	1309	1310	1311
##	2.732240e-03	7.853403e-03	-1.110223e-16	5.000000e-03	5.601852e-02
##	1312	1313	1314	1315	1317
##	9.315789e-01	-1.110223e-16	-1.110223e-16	-1.110223e-16	-1.110223e-16
##	1318	1319	1320	1322	1323

##	-1.110223e-16	-1.110223e-16	1.413043e-02	1.685393e-02	1.036269e-02
##	1324	1325	1326	1327	1328
##	1.016484e-02	1.104972e-02	5.576923e-02	-1.110223e-16	-1.110223e-16
##	1329	1330	1331	1332	1333
##	-1.110223e-16	1.612903e-02	-1.110223e-16	7.909605e-03	8.818342e-03
##	1334	1337	1338	1339	1340
##	5.494505e-03	-1.110223e-16	-1.110223e-16	1.872659e-03	-1.110223e-16
##	1341	1343	1344	1345	1348
##	1.657459e-02	9.782609e-01	-1.110223e-16	1.136364e-02	6.944444e-03
##	1350	1351	1352	1353	1354
##	1.069519e-02	1.231061e-02	-8.326673e-17	9.470588e-01	4.981884e-02
##	1357	1358	1359	1360	1363
##	-1.110223e-16	2.285714e-02	6.091371e-03	-1.110223e-16	6.721311e-02
##	1364	1365	1366	1367	1368
##	1.630435e-02	4.123711e-03	5.555556e-03	-1.110223e-16	2.581522e-02
##	1370	1371	1373	1374	1375
##	5.434783e-03	2.668539e-02	9.887640e-01	9.570312e-01	-1.110223e-16
##	1376	1377	1378	1379	1380
##	7.448790e-03	1.098901e-02	5.555556e-03	9.688482e-01	-1.110223e-16
##	1381	1382	1383	1385	1386
##	-1.110223e-16	3.076923e-02	-1.110223e-16	9.807487e-01	1.994681e-02
##	1387	1388	1389	1390	1392
##	1.441441e-02	-1.110223e-16	3.243243e-03	-1.110223e-16	9.810606e-01
##	1393	1394	1395	1397	1399
##	9.594086e-01	-1.110223e-16	9.573460e-01	5.813953e-03	-1.110223e-16
##	1400	1401	1402	1403	1404
##	-1.110223e-16	1.844660e-02	1.010363e-01	5.555556e-03	-1.110223e-16
##	1405	1406	1407	1408	1409
##	-1.110223e-16	7.394737e-02	-1.110223e-16	1.608040e-02	4.807692e-03
##	1410	1411	1412	1416	1417
##	5.975610e-02	-1.110223e-16	-1.110223e-16	-1.110223e-16	9.698582e-01
##	1418	1419	1420	1422	1423
##	9.510358e-01	-1.110223e-16	1.775148e-02	5.494505e-03	5.154639e-03
##	1424	1425	1426	1428	1430
##	-1.110223e-16	3.994709e-02	5.347594e-03	-1.110223e-16	-3.053113e-16
##	1432	1433	1437	1438	1439
##	9.743590e-01	9.671429e-01	-5.551115e-17	-1.110223e-16	9.387006e-01
##	1440	1441	1442	1443	1444
##	-1.110223e-16	-1.110223e-16	-1.110223e-16	1.792115e-03	3.826531e-03
##	1445	1446	1448	1449	1450
##	-1.110223e-16	-1.110223e-16	3.535912e-02	-1.110223e-16	9.767442e-01
##	1451	1452	1453	1454	1455
##	9.427374e-01	1.424870e-02	-1.110223e-16	-8.326673e-17	1.104972e-02
##	1456	1457	1458	1460	1462
##	5.434783e-03	-1.110223e-16	6.250000e-03	2.603550e-02	9.941176e-01
##	1463	1464	1465	1466	1467
##	8.361582e-02	-1.110223e-16	-1.110223e-16	-1.110223e-16	9.385057e-01
##	1468	1469	1470	1471	1472
##	9.715569e-01	-1.110223e-16	-1.110223e-16	5.649718e-03	1.600000e-02
##	1473	1474	1475	1476	1478
##	-1.110223e-16	-1.110223e-16	-1.110223e-16	-1.110223e-16	2.775558e-17
##	1480	1481	1482	1484	1485
##	9.944134e-01	9.948454e-01	-3.053113e-16	-1.110223e-16	1.348315e-02
##	1486	1487	1488	1489	1490

##	-1.110223e-16	-1.110223e-16	5.263158e-03	5.473588e-02	-1.110223e-16
##	1491	1494	1495	1499	1500
##	-1.110223e-16	5.154639e-03	-1.110223e-16	4.680851e-02	-1.110223e-16
##	1501	1502	1505	1506	1507
##	3.956044e-02	5.617978e-03	9.680851e-01	9.745201e-01	1.030928e-02
##	1508	1509	1511	1512	1513
##	9.753086e-01	-1.110223e-16	-1.110223e-16	1.117318e-02	-1.110223e-16
##	1514	1515	1516	1517	1518
##	-1.110223e-16	-1.110223e-16	-1.110223e-16	-1.110223e-16	9.669154e-01
##	1519	1521	1522	1523	1524
##	9.821229e-01	9.885714e-01	1.830601e-02	3.783784e-02	-1.110223e-16
##	1525	1527	1528	1529	1530
##	9.756098e-03	6.936416e-03	-1.110223e-16	5.107843e-02	5.586592e-03
##	1531	1532	1533	1534	1536
##	1.716567e-02	-1.110223e-16	2.010050e-03	2.890173e-03	-1.110223e-16
##	1537	1538	1539	1540	1542
##	-1.110223e-16	5.524862e-03	-3.053113e-16	9.665730e-01	7.366483e-03
##	1543	1544	1545	1546	1548
##	-1.110223e-16	9.419355e-01	7.462687e-03	1.092896e-02	5.714286e-03
##	1549	1550	1551	1552	1553
##	-1.110223e-16	2.252747e-02	3.267974e-03	1.086957e-02	2.812500e-02
##	1554	1556	1557	1558	1559
##	9.774775e-01	-1.110223e-16	-1.110223e-16	4.414634e-02	-1.110223e-16
##	1562	1563	1564	1565	1566
##	-1.110223e-16	1.871658e-02	-1.110223e-16	-1.110223e-16	4.285714e-03
##	1567	1568	1569	1570	1571
##	9.896907e-01	1.527778e-02	4.975124e-03	-1.110223e-16	2.234637e-02
##	1573	1574	1575	1576	1577
##	5.026738e-02	2.666667e-02	5.177305e-02	-1.110223e-16	-1.110223e-16
##	1578	1579	1580	1581	1582
##	5.076142e-03	-1.110223e-16	-1.110223e-16	9.883721e-01	-1.110223e-16
##	1583	1584	1586	1587	1588
##	9.523810e-03	-1.110223e-16	9.655063e-01	2.368421e-03	9.746589e-01
##	1589	1590	1591	1592	1595
##	5.524862e-03	5.235602e-03	2.631579e-02	-1.110223e-16	3.861111e-02
##	1596	1597	1598	1599	1600
##	-1.110223e-16	-1.110223e-16	9.777778e-01	-1.110223e-16	-1.110223e-16
##	1601	1602	1603	1605	1606
##	3.076923e-02	-1.110223e-16	1.025641e-02	-1.110223e-16	-1.110223e-16
##	1607	1608	1609	1610	1611
##	-1.110223e-16	-1.110223e-16	-1.110223e-16	2.061856e-02	2.285714e-03
##	1612	1613	1614	1615	1616
##	9.848485e-01	3.351955e-02	1.648746e-02	9.893617e-01	9.542857e-01
##	1617	1618	1619	1620	1623
##	-1.110223e-16	1.030928e-02	1.507538e-02	9.764865e-01	3.636364e-02
##	1624	1625	1626	1628	1630
##	-1.110223e-16	9.274725e-01	-1.110223e-16	4.355670e-02	-1.110223e-16
##	1631	1632	1633	1634	1635
##	8.778468e-02	2.164948e-02	-1.110223e-16	5.464481e-03	9.403409e-01
##	1636	1637	1639	1642	1643
##	9.692982e-01	5.025126e-03	5.000000e-03	4.120879e-02	2.162162e-02
##	1644	1645	1647	1648	1649
##	-1.110223e-16	9.459459e-01	-1.110223e-16	2.139037e-03	1.117318e-02
##	1650	1651			

```
## -1.110223e-16 9.839572e-01
```

```
length( rf.predTrain)
```

```
## [1] 1322
```

```
ROC.rfTrain <- pROC :: roc(train_set$dead, rf.predTrain)
```

```
## Setting levels: control = 0, case = 1
```

```
## Setting direction: controls < cases
```

```
AUROC.rfTrain <- pROC :: auc(ROC.rfTrain)
```

```
CI.AUROC.rfTrain <- pROC :: ci.auc(AUROC.rfTrain)
```

```
## Warning in ci.auc.roc(roc, reuse.auc = TRUE, ...): ci.auc() of a ROC curve with  
## AUC == 1 is always 1-1 and can be misleading.
```

running the training set on glmnet and then predict test set; take the coefficient and then (predict command)
run predict on the training set and then compare it to the test set Lasso regression using regular R methods

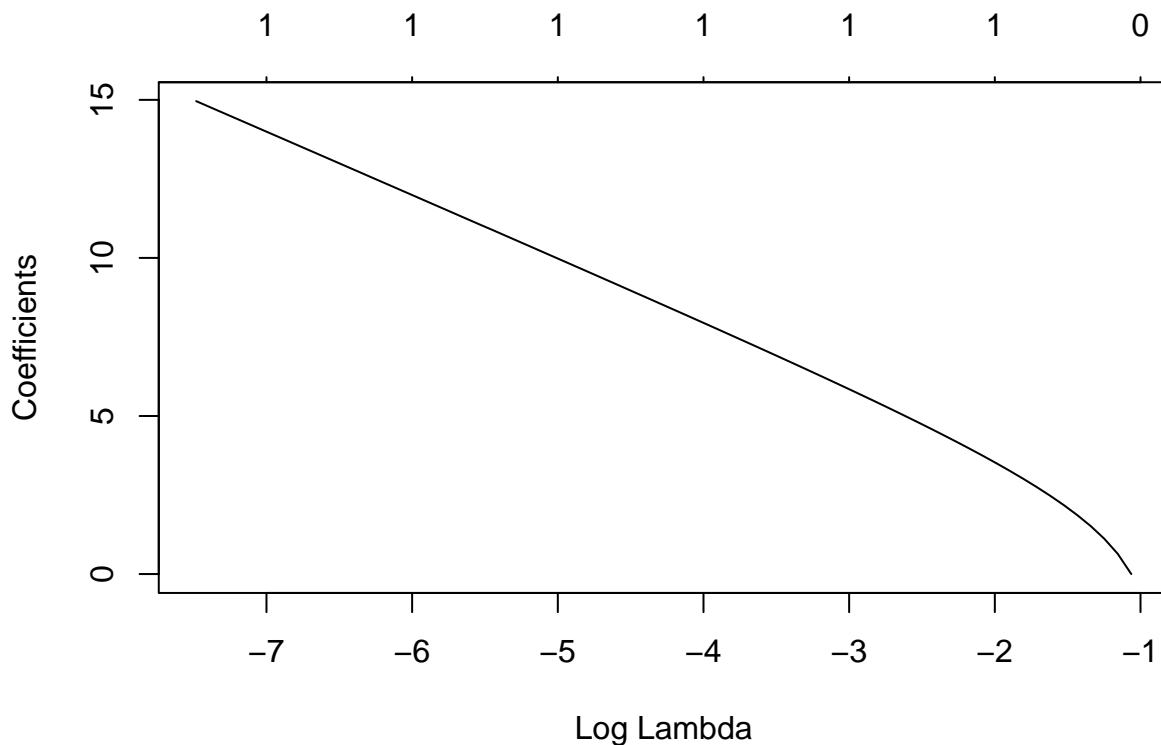
```
x_train <- model.matrix(dead ~., train_set)[, -1]
```

```
x_test <- model.matrix(dead~., test_set)[,-1]
```

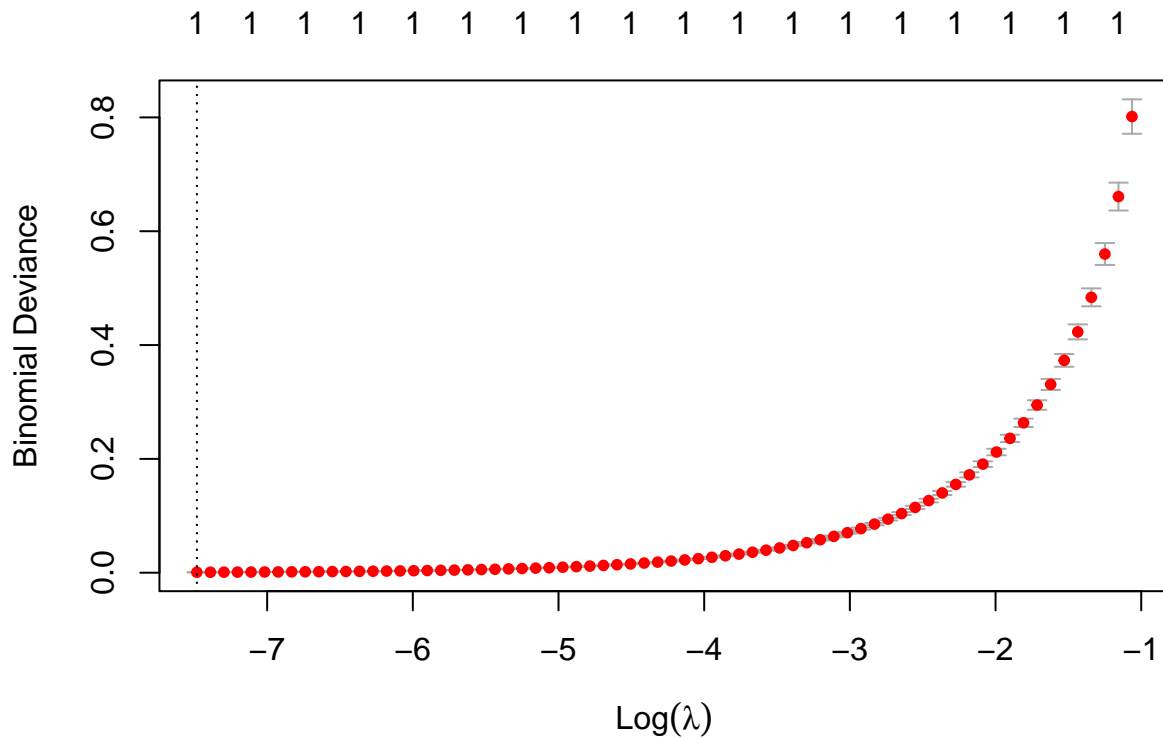
Lasso regression (AUROC with test_set is 0.6253; AUROC with train_set is 0.6827)

```
lasso_model <- glmnet(x_train, y= train_set$dead, alpha = 1, family= "binomial") #Fit lasso on training  
plot(lasso_model, xvar = "lambda") #plot of the lasso training model
```

```
## Warning in plotCoef(x$beta, lambda = x$lambda, df = x$df, dev = x$dev.ratio, : 1  
## or less nonzero coefficients; glmnet plot is not meaningful
```



```
cv.out<- cv.glmnet(x_train, y= train_set$dead, alpha = 1, family= "binomial")  
plot(cv.out) #Draw plot of training MSE as a function of lambda
```



```
bestlam_lasso = cv.out$lambda.min # Select lamda that minimizes training MSE
```

AUROC with train_set is 0.6827 for lasso regression

```
x_test<-as.data.frame(x_test)
x_test <- x_test[ -c(113:41120) ]
class(x_test)
```

```
## [1] "data.frame"
```

```
x_test<-as.matrix(x_test)
class(x_test)
```

```
## [1] "matrix" "array"
```

```
lasso_pred <- predict(lasso_model, s= bestlam_lasso, newx= x_test, type= "response") #uses best lambda
length(lasso_pred)
```

```
## [1] 3
```

```
length(test_set)
```

```
## [1] 521
```

```
a=test_set[-c(4:521),]
ROC.lasso <- pROC::roc(a$dead, as.numeric(lasso_pred))
```

```
## Setting levels: control = N, case = Y
```

```
## Setting direction: controls < cases
```

```
AUROC.lasso <- pROC::auc(ROC.lasso)
CI.AUROC.lasso <- pROC::ci.auc(AUROC.lasso)
```

#AUROC with train_set is 0.6827 for lasso regression

```
lasso_predTrain <- predict(lasso_model, s= bestlam_lasso, newx= x_train, type= "response")
```

```
ROC.lassoTrain <- pROC::roc(train_set$dead, as.numeric(lasso_predTrain))
```

```
## Setting levels: control = 0, case = 1
```

```
## Setting direction: controls < cases
```

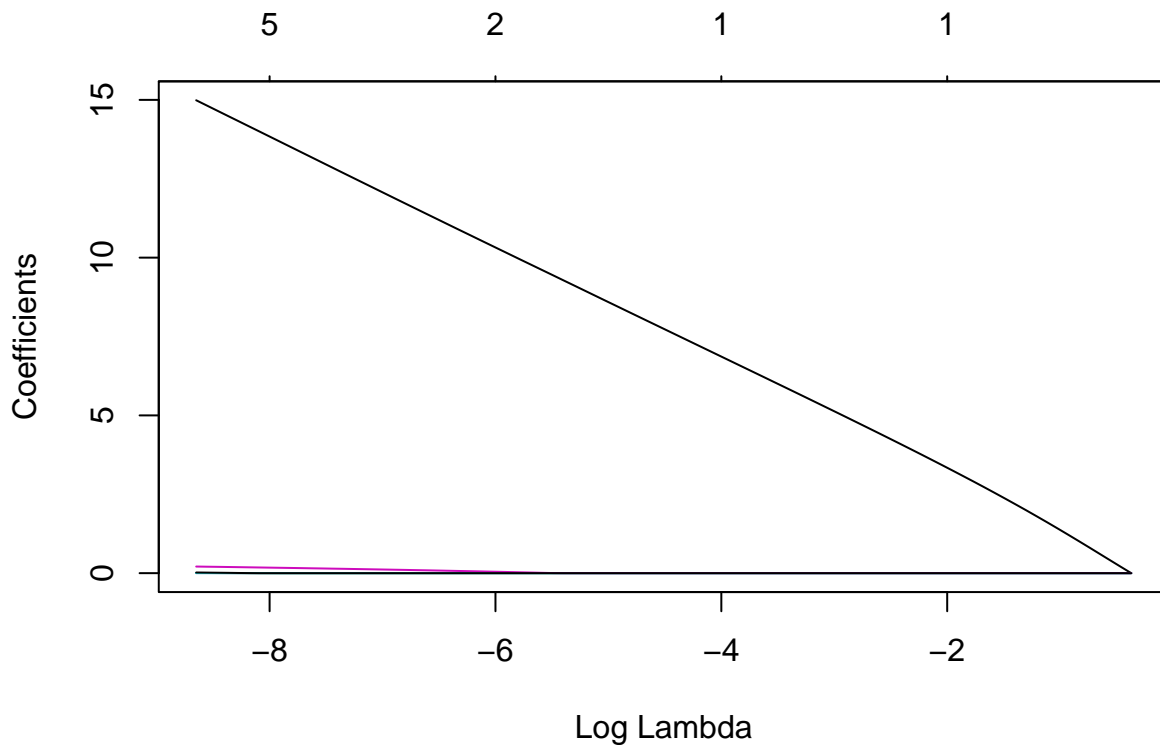
```
AUROC.lassoTrain <- pROC::auc(ROC.lassoTrain)
```

```
CI.AUROC.lassoTrain <- pROC::ci.auc(AUROC.lassoTrain)
```

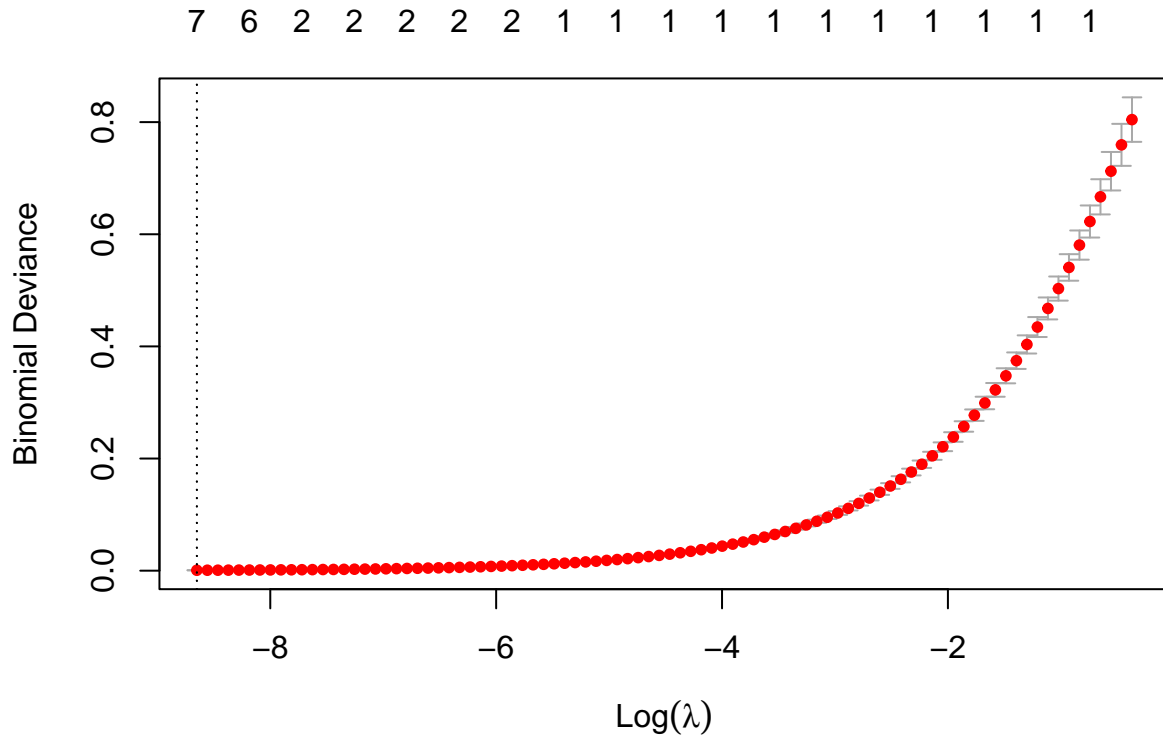
```
## Warning in ci.auc.roc(roc, reuse.auc = TRUE, ...): ci.auc() of a ROC curve with  
## AUC == 1 is always 1-1 and can be misleading.
```

```
elasticNet_model
```

```
elasticNet_model <- glmnet(x_train, y= train_set$dead, alpha = 0.5, family= "binomial")  
plot(elasticNet_model, xvar = "lambda")
```



```
cv.elasticNet <- cv.glmnet(x_train, y= train_set$dead, alpha = 0.5, family= "binomial")  
bestlam_elasticNet = cv.elasticNet$lambda.min  
plot(cv.elasticNet)
```



```

elasticNet_predict <- predict(elasticNet_model, s= bestlam_elasticNet, newx= x_test, type= "response")

ROC.elasticNet <- pROC::roc(a$dead, as.numeric(elasticNet_predict))

## Setting levels: control = N, case = Y
## Setting direction: controls < cases
AUROC.elasticNet <- pROC::auc(ROC.elasticNet)
CI.AUROC.elasticNet <- pROC::ci.auc(AUROC.elasticNet)

AUROC with train_set is 0.6927 for elastic net regression

elasticNet_predictTrain <- predict(elasticNet_model, s= bestlam_elasticNet, newx= x_train)
ROC.elasticNetTrain <- pROC::roc(train_set$dead, as.numeric(elasticNet_predictTrain))

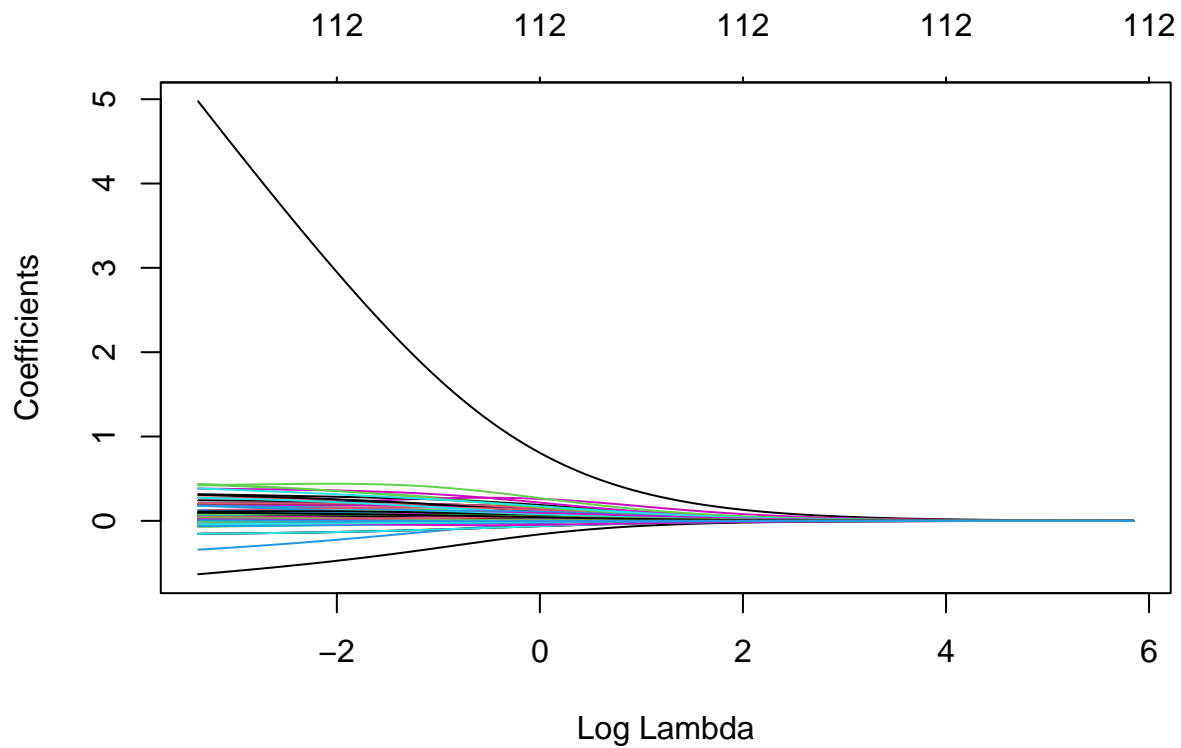
## Setting levels: control = 0, case = 1
## Setting direction: controls < cases
AUROC.elasticNetTrain <- pROC::auc(ROC.elasticNetTrain)
CI.AUROC.elasticNetTrain <- pROC::ci.auc(AUROC.elasticNetTrain)

## Warning in ci.auc.roc(roc, reuse.auc = TRUE, ...): ci.auc() of a ROC curve with
## AUC == 1 is always 1-1 and can be misleading.

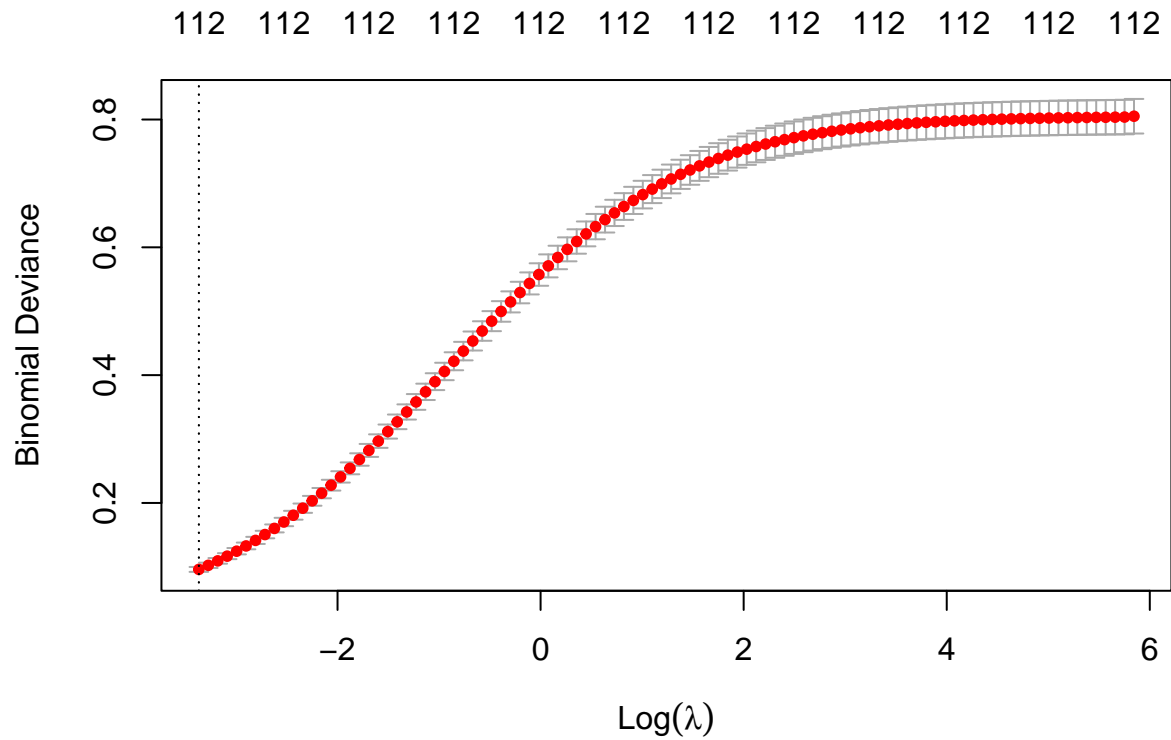
ridge regression (AUROC with test_set is 0.6104; AUROC with train_set is 0.6654)(alpha = 0/ lambda.min)
lambda is what defines each model specifically

#ridge regression (AUROC with test_set is 0.6104; AUROC with train_set is 0.6654)(alpha = 0/ lambda.min)
ridge_model<- glmnet(x_train, y= train_set$dead, alpha = 0, family= "binomial")
plot(ridge_model, xvar = "lambda")

```

```
ridge_predict <- predict(ridge_model, s= 4, newx= x_test, type= "response")
cv.ridge <- cv.out<- cv.glmnet(x_train, y= train_set$dead, alpha = 0, family= "binomial")
plot(cv.ridge)
```



```
ROC.ridge <- pROC::roc(a$dead, as.numeric(ridge_predict))
```

```
## Setting levels: control = N, case = Y
```

```
## Setting direction: controls < cases
```

```
AUROC.ridge <- pROC::auc(ROC.ridge)
CI.AUROC.ridge <- pROC::ci.auc(AUROC.ridge)
```

```
## Warning in ci.auc.roc(roc, reuse.auc = TRUE, ...): ci.auc() of a ROC curve with
## AUC == 1 is always 1-1 and can be misleading.
```

```
AUROC with train_set is 0.6654 with ridge regression
```

```
#AUROC with train_set is 0.6654 with ridge regression
ridge_predictTrain <- predict(ridge_model, s= 4, newx= x_train)
ROC.ridgeTrain <- pROC::roc(train_set$dead, as.numeric(ridge_predictTrain))
```

```
## Setting levels: control = 0, case = 1
```

```
## Setting direction: controls < cases
```

```
AUROC.ridgeTrain <- pROC::auc(ROC.ridgeTrain)
CI.AUROC.ridgeTrain <- pROC::ci.auc(AUROC.ridgeTrain)
```

```
regular logistic regression
```

```
#regular logistic regression (AUROC on test_set is 0.5912; AUROC on train_set is 0.6964 (need to change
regular_model <- glm(dead ~., data= train_set, family= "binomial") #trains the model
```

```
## Warning: glm.fit: algorithm did not converge
```

```
Evaluates model and predicts the model on the testset
```

```
regular_predict <- predict.glm(regular_model, test_set, type= "response")
```

```
## Warning in predict.lm(object, newdata, se.fit, scale = 1, type = if (type == :
## prediction from a rank-deficient fit may be misleading
```

```
ROC.regular <- pROC::roc(test_set$dead, regular_predict)
```

```
## Setting levels: control = N, case = Y
```

```
## Setting direction: controls < cases
```

```
AUROC.regular <- pROC::auc(ROC.regular)
CI.AUROC.regular <- pROC::ci.auc(AUROC.regular)
```

```
## Warning in ci.auc.roc(roc, reuse.auc = TRUE, ...): ci.auc() of a ROC curve with
## AUC == 1 is always 1-1 and can be misleading.
```

```
AUROC on train_set is 0.6964 for logisitc regression
```

```
regular_predictTrain <- predict.glm(regular_model, train_set, type= "response")
```

```
## Warning in predict.lm(object, newdata, se.fit, scale = 1, type = if (type == :
## prediction from a rank-deficient fit may be misleading
```

```
ROC.regularTrain <- pROC::roc(train_set$dead, regular_predictTrain)
```

```
## Setting levels: control = 0, case = 1
```

```
## Setting direction: controls < cases
```

```
AUROC.regularTrain <- pROC::auc(ROC.regularTrain)
CI.AUROC.regularTrain <- pROC::ci.auc(AUROC.regularTrain)
```

```
## Warning in ci.auc.roc(roc, reuse.auc = TRUE, ...): ci.auc() of a ROC curve with
```

```
## AUC == 1 is always 1-1 and can be misleading.
```

Backwards step regression (AUROC on test_set is 0.6138; AUROC on train_set is 0.6884 (need to change step_predict to predict step_model without changing data and ROC_step to train_set\$outcome_30dred)) using regular R methods

```
step_model <- step(regular_model, direction= "backward")
```

```
## Start: AIC=172
```

```
## dead ~ dead.1 + obleed.1 + ocva.1 + oleginf.1 + otia.1 + orf.1 +  
##   opneu.1 + oafib2.1 + return.1 + akin.1 + lm2cat.1 + iabppre_2.1 +  
##   priormi_21.1 + priormi_22.1 + priormi_23.1 + priormi_24.1 +  
##   age_d.1 + rf_1.1 + priority_21.1 + priority_22.1 + pci_ta.1 +  
##   efvalue_r.1 + ef50_neg_r.1 + ef50_neg_d_r.1 + atfibyn_2_r.1 +  
##   priormi_r.1 + priormi_21_r.1 + priormi_22_r.1 + priormi_23_r.1 +  
##   priormi_24_r.1 + age_r.1 + age_d_r.1 + ua_r.1 + ua_nmi7_r.1 +  
##   chf_r.1 + chf2cat_r.1 + rf_r.1 + rf_1_r.1 + rf_2_r.1 + rf_3_r.1 +  
##   priority_r.1 + priority_21_r.1 + priority_22_r.1 + sex_r.1 +  
##   prcabg_r.1 + copd_r.1 + anydm_r.1 + dm3cat_r.1 + dm3cat_21_r.1 +  
##   dm3cat_22_r.1 + iabppre_r.1 + anyvad_r.1 + vad_r.1 + hyper_r.1 +  
##   hyperyn_2_r.1 + prptca6_r.1 + pci_ta_r.1 + lm3cat_r.1 + lm2cat_r.1 +  
##   aortic_insuff_r.1 + aortic_sten_r.1 + chf_nyha_iv_r.1 + chf_nyha_ltiv_r.1 +  
##   smoker_r.1 + cvd.1 + cvd_r.1 + htcn_r.1 + htcn_d_r.1 + mitral_insuff_r.1 +  
##   carotid_sten_r.1 + pvd.1 + pvd_r.1 + tricuspid_insuff_r.1 +  
##   bmi_r.1 + bmi_squared_r.1 + novsl_r.1 + readmit_1y_yn_state.1 +  
##   anyakin.1 + creatcat.1 + lm50.1 + anymssd.1 + lowoutput.1 +  
##   emerg.1 + urg.1 + elec.1 + bmicat.1 + bmi1.1 + bmi2.1 + bmi3.1 +  
##   bmi4.1 + bmi5.1 + bmi6.1 + lvedpm.1 + anemiapre.1 + iabpintra.1 +  
##   lofi.1 + cardblood.1 + cardcold.1 + hotshot.1 + aoxcon.1 +  
##   ultrafilyn.1 + cabg.1 + valve.1 + cabgvalve.1 + gfr60pre.1 +  
##   male.1 + notcoldcard.1 + fluidprel.1 + ptime120.1 + heptotl.1 +  
##   heptot5.1 + train
```

```
## Warning: glm.fit: algorithm did not converge
```

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## Warning: glm.fit: algorithm did not converge
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## Warning: glm.fit: algorithm did not converge
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[illegible]

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## Warning: glm.fit: algorithm did not converge

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## Warning: glm.fit: algorithm did not converge

## Warning: glm.fit: algorithm did not converge

##
## Step:  AIC=172
## dead ~ dead.1 + oblead.1 + ocva.1 + oleginf.1 + otia.1 + orf.1 +
##      opneu.1 + oafib2.1 + return.1 + akin.1 + lm2cat.1 + iabppre_2.1 +
##      priormi_21.1 + priormi_22.1 + priormi_23.1 + priormi_24.1 +
##      age_d.1 + rf_1.1 + priority_21.1 + priority_22.1 + pci_ta.1 +
##      efvalue_r.1 + ef50_neg_r.1 + ef50_neg_d_r.1 + atfibyn_2_r.1 +
##      priormi_r.1 + priormi_21_r.1 + priormi_22_r.1 + priormi_23_r.1 +
##      priormi_24_r.1 + age_r.1 + age_d_r.1 + ua_r.1 + ua_nmi7_r.1 +
##      chf_r.1 + chf2cat_r.1 + rf_r.1 + rf_1_r.1 + rf_2_r.1 + rf_3_r.1 +
##      priority_r.1 + priority_21_r.1 + priority_22_r.1 + sex_r.1 +
##      prcabg_r.1 + copd_r.1 + anydm_r.1 + dm3cat_r.1 + dm3cat_21_r.1 +
##      dm3cat_22_r.1 + iabppre_r.1 + anyvad_r.1 + vad_r.1 + hyper_r.1 +
##      hyperyn_2_r.1 + prptca6_r.1 + pci_ta_r.1 + lm3cat_r.1 + lm2cat_r.1 +
##      aortic_insuff_r.1 + aortic_sten_r.1 + chf_nyha_iv_r.1 + chf_nyha_ltiv_r.1 +

```

```
## smoker_r.1 + cvd.1 + cvd_r.1 + htc_m_r.1 + htc_m_d_r.1 + mitral_insuff_r.1 +
## carotid_sten_r.1 + pvd.1 + pvd_r.1 + tricuspid_insuff_r.1 +
## bmi_r.1 + bmi_squared_r.1 + novsl_r.1 + readmit_1y_yn_state.1 +
## anyakin.1 + creatcat.1 + lm50.1 + anymssd.1 + lowoutput.1 +
## emerg.1 + urg.1 + elec.1 + bmicat.1 + bmi1.1 + bmi2.1 + bmi3.1 +
## bmi4.1 + bmi5.1 + bmi6.1 + lvedpm.1 + anemiapre.1 + iabpintra.1 +
## lof1.1 + cardblood.1 + cardcold.1 + hotshot.1 + aoxcon.1 +
## ultrafilyln.1 + cabg.1 + valve.1 + cabgvalve.1 + gfr60pre.1 +
## male.1 + fluidprel.1 + ptime120.1 + heptotl.1 + heptot5.1 +
## train
```

```
## Warning: glm.fit: algorithm did not converge
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## Warning: glm.fit: algorithm did not converge
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## Warning: glm.fit: algorithm did not converge

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##
## Step: AIC=172
## dead ~ dead.1 + obleed.1 + ocva.1 + oleginf.1 + otia.1 + orf.1 +
##   opneu.1 + oafib2.1 + return.1 + akin.1 + lm2cat.1 + iabppre_2.1 +
##   priormi_21.1 + priormi_22.1 + priormi_23.1 + priormi_24.1 +
##   age_d.1 + rf_1.1 + priority_21.1 + priority_22.1 + pci_ta.1 +
##   efvalue_r.1 + ef50_neg_r.1 + ef50_neg_d_r.1 + atfibyn_2_r.1 +
##   priormi_r.1 + priormi_21_r.1 + priormi_22_r.1 + priormi_23_r.1 +
##   priormi_24_r.1 + age_r.1 + age_d_r.1 + ua_r.1 + ua_nmi7_r.1 +
##   chf_r.1 + chf2cat_r.1 + rf_r.1 + rf_1_r.1 + rf_2_r.1 + rf_3_r.1 +
##   priority_r.1 + priority_21_r.1 + priority_22_r.1 + sex_r.1 +
##   prcabg_r.1 + copd_r.1 + anydm_r.1 + dm3cat_r.1 + dm3cat_21_r.1 +
##   dm3cat_22_r.1 + iabppre_r.1 + anyvad_r.1 + vad_r.1 + hyper_r.1 +
##   hyperyn_2_r.1 + prptca6_r.1 + pci_ta_r.1 + lm3cat_r.1 + lm2cat_r.1 +
##   aortic_insuff_r.1 + aortic_sten_r.1 + chf_nyha_iv_r.1 + chf_nyha_ltiv_r.1 +
##   smoker_r.1 + cvd.1 + cvd_r.1 + htcn_r.1 + htcn_d_r.1 + mitral_insuff_r.1 +
##   carotid_sten_r.1 + pvd.1 + pvd_r.1 + tricusp_insuff_r.1 +
##   bmi_r.1 + bmi_squared_r.1 + novsl_r.1 + readmit_1y_yn_state.1 +
##   anyakin.1 + creatcat.1 + lm50.1 + anymssd.1 + lowoutput.1 +
##   emerg.1 + urg.1 + elec.1 + bmicat.1 + bmi1.1 + bmi2.1 + bmi3.1 +
##   bmi4.1 + bmi5.1 + bmi6.1 + lvedpm.1 + anemiapre.1 + iabpintra.1 +
##   lof1.1 + cardblood.1 + cardcold.1 + hotshot.1 + aoxcon.1 +
##   ultrafilyn.1 + cabg.1 + valve.1 + cabgvalve.1 + gfr60pre.1 +
##   fluidprel.1 + ptime120.1 + heptotl.1 + heptot5.1 + train
## Warning: glm.fit: algorithm did not converge

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```

[illegible]

[illegible]

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```

## Warning: glm.fit: algorithm did not converge
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## Warning: glm.fit: algorithm did not converge
##
## Step: AIC=172
## dead ~ dead.1 + obleed.1 + ocva.1 + oleginf.1 + otia.1 + orf.1 +
## opneu.1 + oafib2.1 + return.1 + akin.1 + lm2cat.1 + iabppre_2.1 +
## priormi_21.1 + priormi_22.1 + priormi_23.1 + priormi_24.1 +
## age_d.1 + rf_1.1 + priority_21.1 + priority_22.1 + pci_ta.1 +
## evalue_r.1 + ef50_neg_r.1 + ef50_neg_d_r.1 + atfibyn_2_r.1 +
## priormi_r.1 + priormi_21_r.1 + priormi_22_r.1 + priormi_23_r.1 +
## priormi_24_r.1 + age_r.1 + age_d_r.1 + ua_r.1 + ua_nmi7_r.1 +

```



```

## chf_r.1 + chf2cat_r.1 + rf_r.1 + rf_1_r.1 + rf_2_r.1 + rf_3_r.1 +
## priority_r.1 + priority_21_r.1 + priority_22_r.1 + sex_r.1 +
## prcabg_r.1 + copd_r.1 + anydm_r.1 + dm3cat_r.1 + dm3cat_21_r.1 +
## dm3cat_22_r.1 + iabppre_r.1 + anyvad_r.1 + vad_r.1 + hyper_r.1 +
## hyperyn_2_r.1 + prptca6_r.1 + pci_ta_r.1 + lm3cat_r.1 + lm2cat_r.1 +
## aortic_insuff_r.1 + aortic_sten_r.1 + chf_nyha_iv_r.1 + chf_nyha_ltiv_r.1 +
## smoker_r.1 + cvd.1 + cvd_r.1 + htc_m_r.1 + htc_m_d_r.1 + mitral_insuff_r.1 +
## carotid_sten_r.1 + pvd.1 + pvd_r.1 + tricuspid_insuff_r.1 +
## bmi_r.1 + bmi_squared_r.1 + novsl_r.1 + readmit_1y_yn_state.1 +
## anyakin.1 + creatcat.1 + lm50.1 + anymssd.1 + lowoutput.1 +
## emerg.1 + urg.1 + elec.1 + bmicat.1 + bmi1.1 + bmi2.1 + bmi3.1 +
## bmi4.1 + bmi5.1 + bmi6.1 + lvedpm.1 + anemiapre.1 + iabpintra.1 +
## lof1.1 + cardblood.1 + cardcold.1 + hotshot.1 + aoxcon.1 +
## ultrafilyn.1 + cabg.1 + valve.1 + gfr60pre.1 + fluidprel.1 +
## ptime120.1 + heptotl.1 + heptot5.1 + train

## Warning: glm.fit: algorithm did not converge

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## Warning: glm.fit: algorithm did not converge

## Warning: glm.fit: algorithm did not converge

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```

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## Warning: glm.fit: algorithm did not converge

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##
## Step: AIC=172
## dead ~ dead.1 + obleed.1 + ocva.1 + oleginf.1 + otia.1 + orf.1 +
## opneu.1 + oafib2.1 + return.1 + akin.1 + lm2cat.1 + iabppre_2.1 +
## priormi_21.1 + priormi_22.1 + priormi_23.1 + priormi_24.1 +
## age_d.1 + rf_1.1 + priority_21.1 + priority_22.1 + pci_ta.1 +
## efvalue_r.1 + ef50_neg_r.1 + ef50_neg_d_r.1 + atfibyn_2_r.1 +
## priormi_r.1 + priormi_21_r.1 + priormi_22_r.1 + priormi_23_r.1 +
## priormi_24_r.1 + age_r.1 + age_d_r.1 + ua_r.1 + ua_nmi7_r.1 +
## chf_r.1 + chf2cat_r.1 + rf_r.1 + rf_1_r.1 + rf_2_r.1 + rf_3_r.1 +
## priority_r.1 + priority_21_r.1 + priority_22_r.1 + sex_r.1 +
## prcabg_r.1 + copd_r.1 + anydm_r.1 + dm3cat_r.1 + dm3cat_21_r.1 +
## dm3cat_22_r.1 + iabppre_r.1 + anyvad_r.1 + vad_r.1 + hyper_r.1 +
## hyperyn_2_r.1 + prptca6_r.1 + pci_ta_r.1 + lm3cat_r.1 + lm2cat_r.1 +
## aortic_insuff_r.1 + aortic_sten_r.1 + chf_nyha_iv_r.1 + chf_nyha_ltiv_r.1 +
## smoker_r.1 + cvd.1 + cvd_r.1 + htc_m_r.1 + htc_m_d_r.1 + mitral_insuff_r.1 +
## carotid_sten_r.1 + pvd.1 + pvd_r.1 + tricusp_insuff_r.1 +
## bmi_r.1 + bmi_squared_r.1 + novsl_r.1 + readmit_1y_yn_state.1 +
## anyakin.1 + creatcat.1 + lm50.1 + anymssd.1 + lowoutput.1 +
## emerg.1 + urg.1 + elec.1 + bmicat.1 + bmi1.1 + bmi2.1 + bmi3.1 +
## bmi4.1 + bmi5.1 + lvedpm.1 + anemiapre.1 + iabpintra.1 +
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## ultrafilyn.1 + cabg.1 + valve.1 + gfr60pre.1 + fluidprel.1 +
## ptime120.1 + heptotl.1 + heptot5.1 + train
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##      priority_r.1 + priority_21_r.1 + priority_22_r.1 + sex_r.1 +
##      prcabg_r.1 + copd_r.1 + anydm_r.1 + dm3cat_r.1 + dm3cat_21_r.1 +

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## dm3cat_22_r.1 + iabppre_r.1 + anyvad_r.1 + vad_r.1 + hyper_r.1 +
## hyperyn_2_r.1 + prptca6_r.1 + pci_ta_r.1 + lm3cat_r.1 + lm2cat_r.1 +
## aortic_insuff_r.1 + aortic_sten_r.1 + chf_nyha_iv_r.1 + chf_nyha_ltiv_r.1 +
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## anyakin.1 + creatcat.1 + lm50.1 + anymssd.1 + lowoutput.1 +
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##      priormi_24_r.1 + age_r.1 + age_d_r.1 + ua_r.1 + ua_nmi7_r.1 +
##      chf_r.1 + chf2cat_r.1 + rf_r.1 + rf_1_r.1 + rf_2_r.1 + rf_3_r.1 +
##      priority_r.1 + priority_21_r.1 + priority_22_r.1 + sex_r.1 +
##      prcabg_r.1 + copd_r.1 + anydm_r.1 + dm3cat_r.1 + dm3cat_21_r.1 +
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##      cardcold.1 + hotshot.1 + aoxcon.1 + ultrafilyn.1 + cabg.1 +
##      valve.1 + gfr60pre.1 + fluidprel.1 + ptime120.1 + heptotl.1 +
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## priority_r.1 + priority_21_r.1 + priority_22_r.1 + sex_r.1 +
## prcabg_r.1 + copd_r.1 + anydm_r.1 + dm3cat_r.1 + dm3cat_21_r.1 +
## dm3cat_22_r.1 + iabppre_r.1 + anyvad_r.1 + vad_r.1 + hyper_r.1 +
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## lvedpm.1 + anemiapre.1 + iabpintra.1 + lof1.1 + cardblood.1 +
## cardcold.1 + hotshot.1 + aoxcon.1 + ultrafilyn.1 + cabg.1 +
## valve.1 + gfr60pre.1 + fluidprel.1 + ptime120.1 + heptotl.1 +

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## Step: AIC=172
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##      priormi_21.1 + priormi_22.1 + priormi_23.1 + priormi_24.1 +
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##      train
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## priormi_24_r.1 + age_r.1 + age_d_r.1 + ua_r.1 + ua_nmi7_r.1 +
## chf_r.1 + chf2cat_r.1 + rf_r.1 + rf_1_r.1 + rf_2_r.1 + rf_3_r.1 +
## priority_r.1 + priority_21_r.1 + priority_22_r.1 + sex_r.1 +
## prcabg_r.1 + copd_r.1 + anydm_r.1 + dm3cat_r.1 + dm3cat_21_r.1 +
## dm3cat_22_r.1 + iabppre_r.1 + anyvad_r.1 + vad_r.1 + hyper_r.1 +
## hyperyn_2_r.1 + prptca6_r.1 + pci_ta_r.1 + lm3cat_r.1 + lm2cat_r.1 +
## aortic_insuff_r.1 + aortic_sten_r.1 + chf_nyha_iv_r.1 + chf_nyha_ltiv_r.1 +
## smoker_r.1 + cvd.1 + cvd_r.1 + htcn_r.1 + htcn_d_r.1 + mitral_insuff_r.1 +
## carotid_sten_r.1 + pvd.1 + tricuspid_insuff_r.1 + bmi_r.1 +
## bmi_squared_r.1 + novsl_r.1 + readmit_1y_yn_state.1 + anyakin.1 +
## creatcat.1 + anymssd.1 + lowoutput.1 + bmicat.1 + bmi1.1 +
## bmi2.1 + bmi3.1 + bmi4.1 + lvedpm.1 + anemiapre.1 + iabpintra.1 +
## lof1.1 + cardblood.1 + cardcold.1 + hotshot.1 + aoxcon.1 +
## ultrafilyn.1 + cabg.1 + valve.1 + gfr60pre.1 + fluidprel.1 +
## ptime120.1 + heptotl.1 + heptot5.1 + train
## Warning: glm.fit: algorithm did not converge

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[illegible]

[illegible]

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## Warning: glm.fit: algorithm did not converge

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##
## Step: AIC=172
## dead ~ dead.1 + obleed.1 + ocva.1 + oleginf.1 + otia.1 + orf.1 +
##      opneu.1 + oafib2.1 + return.1 + akin.1 + lm2cat.1 + iabppre_2.1 +
##      priormi_21.1 + priormi_22.1 + priormi_23.1 + priormi_24.1 +
##      age_d.1 + rf_1.1 + priority_21.1 + priority_22.1 + pci_ta.1 +
##      efvalue_r.1 + ef50_neg_r.1 + ef50_neg_d_r.1 + atfibyn_2_r.1 +
##      priormi_r.1 + priormi_21_r.1 + priormi_22_r.1 + priormi_23_r.1 +
##      priormi_24_r.1 + age_r.1 + age_d_r.1 + ua_r.1 + ua_nmi7_r.1 +
##      chf_r.1 + chf2cat_r.1 + rf_r.1 + rf_1_r.1 + rf_2_r.1 + rf_3_r.1 +
##      priority_r.1 + priority_21_r.1 + priority_22_r.1 + sex_r.1 +
##      prcabg_r.1 + copd_r.1 + anydm_r.1 + dm3cat_r.1 + dm3cat_21_r.1 +
##      dm3cat_22_r.1 + iabppre_r.1 + anyvad_r.1 + vad_r.1 + hyper_r.1 +
##      hyperyn_2_r.1 + prptca6_r.1 + pci_ta_r.1 + lm3cat_r.1 + lm2cat_r.1 +
##      aortic_insuff_r.1 + aortic_sten_r.1 + chf_nyha_iv_r.1 + chf_nyha_ltiv_r.1 +
##      smoker_r.1 + cvd.1 + htc_m_r.1 + htc_m_d_r.1 + mitral_insuff_r.1 +
##      carotid_sten_r.1 + pvd.1 + tricuspid_insuff_r.1 + bmi_r.1 +

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## Warning: glm.fit: algorithm did not converge
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## Step:  AIC=172
## dead ~ dead.1 + obleed.1 + ocva.1 + oleginf.1 + otia.1 + orf.1 +
##      opneu.1 + oafib2.1 + return.1 + akin.1 + lm2cat.1 + iabppre_2.1 +
##      priormi_21.1 + priormi_22.1 + priormi_23.1 + priormi_24.1 +
##      age_d.1 + rf_1.1 + priority_21.1 + priority_22.1 + pci_ta.1 +
##      efvalue_r.1 + ef50_neg_r.1 + ef50_neg_d_r.1 + atfibyn_2_r.1 +

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##      priormi_r.1 + priormi_21_r.1 + priormi_22_r.1 + priormi_23_r.1 +
##      priormi_24_r.1 + age_r.1 + age_d_r.1 + ua_r.1 + ua_nmi7_r.1 +
##      chf_r.1 + chf2cat_r.1 + rf_r.1 + rf_1_r.1 + rf_2_r.1 + rf_3_r.1 +
##      priority_r.1 + priority_21_r.1 + priority_22_r.1 + sex_r.1 +
##      prcabg_r.1 + copd_r.1 + anydm_r.1 + dm3cat_r.1 + dm3cat_21_r.1 +
##      dm3cat_22_r.1 + iabppre_r.1 + anyvad_r.1 + vad_r.1 + hyper_r.1 +
##      hyperyn_2_r.1 + prptca6_r.1 + pci_ta_r.1 + lm3cat_r.1 + aortic_insuff_r.1 +
##      aortic_sten_r.1 + chf_nyha_iv_r.1 + chf_nyha_ltiv_r.1 + smoker_r.1 +
##      cvd.1 + htc_m_r.1 + htc_m_d_r.1 + mitral_insuff_r.1 + carotid_sten_r.1 +
##      pvd.1 + tricuspid_insuff_r.1 + bmi_r.1 + bmi_squared_r.1 +
##      novsl_r.1 + readmit_1y_yn_state.1 + anyakin.1 + creatcat.1 +
##      anymssd.1 + lowoutput.1 + bmicat.1 + bmi1.1 + bmi2.1 + bmi3.1 +
##      bmi4.1 + lvedpm.1 + anemiapre.1 + iabpintra.1 + lof1.1 +
##      cardblood.1 + cardcold.1 + hotshot.1 + aoxcon.1 + ultrafilyn.1 +
##      cabg.1 + valve.1 + gfr60pre.1 + fluidprel.1 + ptime120.1 +
##      heptotl.1 + heptot5.1 + train
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##
## Step: AIC=172
## dead ~ dead.1 + obleed.1 + ocva.1 + oleginf.1 + otia.1 + orf.1 +
## opneu.1 + oafib2.1 + return.1 + akin.1 + lm2cat.1 + iabppre_2.1 +
## priormi_21.1 + priormi_22.1 + priormi_23.1 + priormi_24.1 +
## age_d.1 + rf_1.1 + priority_21.1 + priority_22.1 + pci_ta.1 +
## efvalue_r.1 + ef50_neg_r.1 + ef50_neg_d_r.1 + atfibyn_2_r.1 +
## priormi_r.1 + priormi_21_r.1 + priormi_22_r.1 + priormi_23_r.1 +
## priormi_24_r.1 + age_r.1 + age_d_r.1 + ua_r.1 + ua_nmi7_r.1 +
## chf_r.1 + chf2cat_r.1 + rf_r.1 + rf_1_r.1 + rf_2_r.1 + rf_3_r.1 +
## priority_r.1 + priority_21_r.1 + priority_22_r.1 + sex_r.1 +
## prcabg_r.1 + copd_r.1 + anydm_r.1 + dm3cat_r.1 + dm3cat_21_r.1 +
## dm3cat_22_r.1 + iabppre_r.1 + anyvad_r.1 + vad_r.1 + hyper_r.1 +
## hyperyn_2_r.1 + prptca6_r.1 + lm3cat_r.1 + aortic_insuff_r.1 +
## aortic_sten_r.1 + chf_nyha_iv_r.1 + chf_nyha_ltiv_r.1 + smoker_r.1 +
## cvd.1 + htcn_r.1 + htcn_d_r.1 + mitral_insuff_r.1 + carotid_sten_r.1 +
## pvd.1 + tricuspid_insuff_r.1 + bmi_r.1 + bmi_squared_r.1 +
## novsl_r.1 + readmit_1y_yn_state.1 + anyakin.1 + creatcat.1 +
## anymssd.1 + lowoutput.1 + bmicat.1 + bmi1.1 + bmi2.1 + bmi3.1 +
## bmi4.1 + lvedpm.1 + anemiapre.1 + iabpintra.1 + lof1.1 +
## cardblood.1 + cardcold.1 + hotshot.1 + aoxcon.1 + ultrafilyn.1 +
## cabg.1 + valve.1 + gfr60pre.1 + fluidprel.1 + ptime120.1 +
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[illegible]

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[illegible]

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##   opneu.1 + oafib2.1 + return.1 + akin.1 + lm2cat.1 + iabppre_2.1 +
##   priormi_21.1 + priormi_22.1 + priormi_23.1 + priormi_24.1 +
##   age_d.1 + rf_1.1 + priority_21.1 + priority_22.1 + pci_ta.1 +
##   efvalue_r.1 + ef50_neg_r.1 + ef50_neg_d_r.1 + atfibyn_2_r.1 +
##   priormi_r.1 + priormi_21_r.1 + priormi_22_r.1 + priormi_23_r.1 +
##   priormi_24_r.1 + age_r.1 + age_d_r.1 + ua_r.1 + ua_nmi7_r.1 +
##   chf_r.1 + chf2cat_r.1 + rf_r.1 + rf_1_r.1 + rf_2_r.1 + rf_3_r.1 +
##   priority_r.1 + priority_21_r.1 + priority_22_r.1 + sex_r.1 +
##   prcabg_r.1 + copd_r.1 + anydm_r.1 + dm3cat_r.1 + dm3cat_21_r.1 +
##   dm3cat_22_r.1 + anyvad_r.1 + vad_r.1 + hyper_r.1 + hyperyn_2_r.1 +
##   prptca6_r.1 + lm3cat_r.1 + aortic_insuff_r.1 + aortic_sten_r.1 +
##   chf_nyha_iv_r.1 + chf_nyha_ltiv_r.1 + smoker_r.1 + cvd.1 +
##   htc_m_r.1 + htc_m_d_r.1 + mitral_insuff_r.1 + carotid_sten_r.1 +
##   pvd.1 + tricuspid_insuff_r.1 + bmi_r.1 + bmi_squared_r.1 +
##   novsl_r.1 + readmit_1y_yn_state.1 + anyakin.1 + creatcat.1 +
##   anymssd.1 + lowoutput.1 + bmicat.1 + bmi1.1 + bmi2.1 + bmi3.1 +
##   bmi4.1 + lvedpm.1 + anemiapre.1 + iabpintra.1 + lof1.1 +
##   cardblood.1 + cardcold.1 + hotshot.1 + aoxcon.1 + ultrafilyn.1 +
##   cabg.1 + valve.1 + gfr60pre.1 + fluidprel.1 + ptime120.1 +
##   heptotl.1 + heptot5.1 + train

## Warning: glm.fit: algorithm did not converge

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## Warning: glm.fit: algorithm did not converge

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##
## Step: AIC=172
## dead ~ dead.1 + obleed.1 + ocva.1 + oleginf.1 + otia.1 + orf.1 +
##      opneu.1 + oafib2.1 + return.1 + akin.1 + lm2cat.1 + iabppre_2.1 +
##      priormi_21.1 + priormi_22.1 + priormi_23.1 + priormi_24.1 +
##      age_d.1 + rf_1.1 + priority_21.1 + priority_22.1 + pci_ta.1 +
##      efvalue_r.1 + ef50_neg_r.1 + ef50_neg_d_r.1 + atfibyn_2_r.1 +
##      priormi_r.1 + priormi_21_r.1 + priormi_22_r.1 + priormi_23_r.1 +
##      priormi_24_r.1 + age_r.1 + age_d_r.1 + ua_r.1 + ua_nmi7_r.1 +
##      chf_r.1 + chf2cat_r.1 + rf_r.1 + rf_1_r.1 + rf_2_r.1 + rf_3_r.1 +
##      priority_r.1 + priority_21_r.1 + priority_22_r.1 + sex_r.1 +
##      prcabg_r.1 + copd_r.1 + anydm_r.1 + dm3cat_r.1 + dm3cat_21_r.1 +
##      anyvad_r.1 + vad_r.1 + hyper_r.1 + hyperyn_2_r.1 + prptca6_r.1 +
##      lm3cat_r.1 + aortic_insuff_r.1 + aortic_sten_r.1 + chf_nyha_iv_r.1 +
##      chf_nyha_ltiv_r.1 + smoker_r.1 + cvd.1 + htcn_r.1 + htcn_d_r.1 +
##      mitral_insuff_r.1 + carotid_sten_r.1 + pvd.1 + tricuspid_insuff_r.1 +
##      bmi_r.1 + bmi_squared_r.1 + novsl_r.1 + readmit_1y_yn_state.1 +
##      anyakin.1 + creatcat.1 + anymssd.1 + lowoutput.1 + bmicat.1 +
##      bmi1.1 + bmi2.1 + bmi3.1 + bmi4.1 + lvedpm.1 + anemiapre.1 +
##      iabpintra.1 + lof1.1 + cardblood.1 + cardcold.1 + hotshot.1 +
##      aoxcon.1 + ultrafilyn.1 + cabg.1 + valve.1 + gfr60pre.1 +
##      fluidprel.1 + ptime120.1 + heptotl.1 + heptot5.1 + train

## Warning: glm.fit: algorithm did not converge

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[illegible]

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##
## Step: AIC=172
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## efvalue_r.1 + ef50_neg_r.1 + ef50_neg_d_r.1 + atfibyn_2_r.1 +
## priormi_r.1 + priormi_21_r.1 + priormi_22_r.1 + priormi_23_r.1 +
## priormi_24_r.1 + age_r.1 + age_d_r.1 + ua_r.1 + ua_nmi7_r.1 +
## chf_r.1 + chf2cat_r.1 + rf_r.1 + rf_1_r.1 + rf_2_r.1 + rf_3_r.1 +
## priority_r.1 + priority_21_r.1 + priority_22_r.1 + sex_r.1 +
## prcabg_r.1 + copd_r.1 + anydm_r.1 + dm3cat_r.1 + anyvad_r.1 +
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## aortic_insuff_r.1 + aortic_sten_r.1 + chf_nyha_iv_r.1 + chf_nyha_ltiv_r.1 +
## smoker_r.1 + cvd.1 + htcn_r.1 + htcn_d_r.1 + mitral_insuff_r.1 +
## carotid_sten_r.1 + pvd.1 + tricuspid_insuff_r.1 + bmi_r.1 +
## bmi_squared_r.1 + novsl_r.1 + readmit_1y_yn_state.1 + anyakin.1 +
## creatcat.1 + anymssd.1 + lowoutput.1 + bmicat.1 + bmi1.1 +
## bmi2.1 + bmi3.1 + bmi4.1 + lvedpm.1 + anemiapre.1 + iabpintra.1 +
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##     priormi_r.1 + priormi_21_r.1 + priormi_22_r.1 + priormi_23_r.1 +
##     priormi_24_r.1 + age_r.1 + age_d_r.1 + ua_r.1 + ua_nmi7_r.1 +
##     chf_r.1 + chf2cat_r.1 + rf_r.1 + rf_1_r.1 + rf_2_r.1 + rf_3_r.1 +
##     priority_r.1 + priority_21_r.1 + sex_r.1 + prcabg_r.1 + copd_r.1 +
##     anydm_r.1 + dm3cat_r.1 + anyvad_r.1 + vad_r.1 + hyper_r.1 +
##     hyperyn_2_r.1 + prptca6_r.1 + lm3cat_r.1 + aortic_insuff_r.1 +
##     aortic_sten_r.1 + chf_nyha_iv_r.1 + chf_nyha_ltiv_r.1 + smoker_r.1 +
##     cvd.1 + htcn_r.1 + htcn_d_r.1 + mitral_insuff_r.1 + carotid_sten_r.1 +
##     pvd.1 + tricusp_insuff_r.1 + bmi_r.1 + bmi_squared_r.1 +
##     novsl_r.1 + readmit_1y_yn_state.1 + anyakin.1 + creatcat.1 +
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## Step: AIC=172
## dead ~ dead.1 + obleed.1 + ocva.1 + oleginf.1 + otia.1 + orf.1 +
##     opneu.1 + oafib2.1 + return.1 + akin.1 + lm2cat.1 + iabppre_2.1 +
##     priormi_21.1 + priormi_22.1 + priormi_23.1 + priormi_24.1 +
##     age_d.1 + rf_1.1 + priority_21.1 + priority_22.1 + pci_ta.1 +
##     efvalue_r.1 + ef50_neg_r.1 + ef50_neg_d_r.1 + atfibyn_2_r.1 +
##     priormi_r.1 + priormi_21_r.1 + priormi_22_r.1 + priormi_23_r.1 +
##     priormi_24_r.1 + age_r.1 + age_d_r.1 + ua_r.1 + ua_nmi7_r.1 +
##     chf_r.1 + chf2cat_r.1 + rf_r.1 + rf_1_r.1 + rf_2_r.1 + rf_3_r.1 +
##     priority_r.1 + sex_r.1 + prcabg_r.1 + copd_r.1 + anydm_r.1 +
##     dm3cat_r.1 + anyvad_r.1 + vad_r.1 + hyper_r.1 + hyperyn_2_r.1 +
##     prptca6_r.1 + lm3cat_r.1 + aortic_insuff_r.1 + aortic_sten_r.1 +
##     chf_nyha_iv_r.1 + chf_nyha_ltiv_r.1 + smoker_r.1 + cvd.1 +
##     htc_m_r.1 + htc_m_d_r.1 + mitral_insuff_r.1 + carotid_sten_r.1 +
##     pvd.1 + tricuspid_insuff_r.1 + bmi_r.1 + bmi_squared_r.1 +
##     novsl_r.1 + readmit_1y_yn_state.1 + anyakin.1 + creatcat.1 +
##     anymssd.1 + lowoutput.1 + bmicat.1 + bmi1.1 + bmi2.1 + bmi3.1 +
##     bmi4.1 + lvedpm.1 + anemiapre.1 + iabpintra.1 + lof1.1 +
##     cardblood.1 + cardcold.1 + hotshot.1 + aoxcon.1 + ultrafilyn.1 +
##     cabg.1 + valve.1 + gfr60pre.1 + fluidprel.1 + ptime120.1 +
##     heptotl.1 + heptot5.1 + train

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[illegible]


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## chf_r.1 + chf2cat_r.1 + rf_r.1 + rf_1_r.1 + rf_2_r.1 + rf_3_r.1 +
## sex_r.1 + prcabg_r.1 + copd_r.1 + anydm_r.1 + dm3cat_r.1 +
## anyvad_r.1 + vad_r.1 + hyper_r.1 + hyperyn_2_r.1 + prptca6_r.1 +
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## chf_nyha_ltiv_r.1 + smoker_r.1 + cvd.1 + htcn_r.1 + htcn_d_r.1 +
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##      chf_r.1 + chf2cat_r.1 + rf_r.1 + rf_2_r.1 + rf_3_r.1 + sex_r.1 +
##      prcabg_r.1 + copd_r.1 + anydm_r.1 + dm3cat_r.1 + anyvad_r.1 +

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## vad_r.1 + hyper_r.1 + hyperyn_2_r.1 + prptca6_r.1 + lm3cat_r.1 +
## aortic_insuff_r.1 + aortic_sten_r.1 + chf_nyha_iv_r.1 + chf_nyha_ltiv_r.1 +
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[illegible]

[illegible]

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## Warning: glm.fit: algorithm did not converge

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```

## Warning: glm.fit: algorithm did not converge

## Warning: glm.fit: algorithm did not converge

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## Warning: glm.fit: algorithm did not converge

## Warning: glm.fit: algorithm did not converge

## Warning: glm.fit: algorithm did not converge

## Warning: glm.fit: algorithm did not converge

## Warning: glm.fit: algorithm did not converge

##
## Step: AIC=172
## dead ~ dead.1 + oblead.1 + ocva.1 + oleginf.1 + otia.1 + orf.1 +
##   opneu.1 + oafib2.1 + return.1 + akin.1 + lm2cat.1 + iabppre_2.1 +
##   priormi_21.1 + priormi_22.1 + priormi_23.1 + priormi_24.1 +
##   age_d.1 + rf_1.1 + priority_21.1 + priority_22.1 + pci_ta.1 +
##   efvalue_r.1 + ef50_neg_r.1 + ef50_neg_d_r.1 + atfibyn_2_r.1 +
##   age_r.1 + ua_r.1 + ua_nmi7_r.1 + chf_r.1 + chf2cat_r.1 +
##   rf_2_r.1 + rf_3_r.1 + sex_r.1 + prcabg_r.1 + copd_r.1 + anydm_r.1 +
##   dm3cat_r.1 + anyvad_r.1 + vad_r.1 + hyper_r.1 + hyperyn_2_r.1 +
##   prptca6_r.1 + lm3cat_r.1 + aortic_insuff_r.1 + aortic_sten_r.1 +
##   chf_nyha_iv_r.1 + chf_nyha_ltiv_r.1 + smoker_r.1 + cvd.1 +
##   htc_m_r.1 + htc_m_d_r.1 + mitral_insuff_r.1 + carotid_sten_r.1 +
##   pvd.1 + tricusp_insuff_r.1 + bmi_r.1 + bmi_squared_r.1 +
##   novsl_r.1 + readmit_1y_yn_state.1 + anyakin.1 + creatcat.1 +
##   anymssd.1 + lowoutput.1 + bmicat.1 + bmi1.1 + bmi2.1 + bmi3.1 +
##   bmi4.1 + lvedpm.1 + anemiapre.1 + iabpintra.1 + lof1.1 +
##   cardblood.1 + cardcold.1 + hotshot.1 + aoxcon.1 + ultrafilyn.1 +
##   cabg.1 + valve.1 + gfr60pre.1 + fluidprel.1 + ptime120.1 +
##   heptotl.1 + heptot5.1 + train
## Warning: glm.fit: algorithm did not converge

```

[illegible]

[illegible]

[illegible]

Warning: glm.fit: algorithm did not converge

Warning: glm.fit: algorithm did not converge

##	Df	Deviance	AIC
## - oblead.1	1	0.00	170.00
## - ocva.1	1	0.00	170.00
## - oleginf.1	1	0.00	170.00
## - otia.1	1	0.00	170.00
## - orf.1	1	0.00	170.00
## - opneu.1	1	0.00	170.00
## - oafib2.1	1	0.00	170.00
## - return.1	1	0.00	170.00
## - akin.1	1	0.00	170.00
## - lm2cat.1	1	0.00	170.00
## - iabppre_2.1	1	0.00	170.00
## - priormi_21.1	1	0.00	170.00
## - priormi_22.1	1	0.00	170.00
## - priormi_23.1	1	0.00	170.00
## - priormi_24.1	1	0.00	170.00
## - age_d.1	1	0.00	170.00
## - rf_1.1	1	0.00	170.00
## - priority_21.1	1	0.00	170.00
## - priority_22.1	1	0.00	170.00
## - pci_ta.1	1	0.00	170.00
## - efvalue_r.1	1	0.00	170.00
## - ef50_neg_r.1	1	0.00	170.00
## - ef50_neg_d_r.1	1	0.00	170.00
## - atfibyn_2_r.1	1	0.00	170.00
## - age_r.1	1	0.00	170.00
## - ua_r.1	1	0.00	170.00
## - ua_nmi7_r.1	1	0.00	170.00
## - chf_r.1	1	0.00	170.00
## - chf2cat_r.1	1	0.00	170.00
## - rf_2_r.1	1	0.00	170.00
## - rf_3_r.1	1	0.00	170.00
## - sex_r.1	1	0.00	170.00
## - prcabg_r.1	1	0.00	170.00
## - copd_r.1	1	0.00	170.00
## - anydm_r.1	1	0.00	170.00
## - dm3cat_r.1	1	0.00	170.00
## - anyvad_r.1	1	0.00	170.00
## - vad_r.1	1	0.00	170.00
## - hyper_r.1	1	0.00	170.00
## - hyperyn_2_r.1	1	0.00	170.00
## - prptca6_r.1	1	0.00	170.00
## - lm3cat_r.1	1	0.00	170.00
## - aortic_insuff_r.1	1	0.00	170.00
## - aortic_sten_r.1	1	0.00	170.00
## - chf_nyha_iv_r.1	1	0.00	170.00
## - chf_nyha_ltiv_r.1	1	0.00	170.00
## - smoker_r.1	1	0.00	170.00
## - cvd.1	1	0.00	170.00
## - htcm_r.1	1	0.00	170.00

```

## - htcn_d_r.1      1      0.00 170.00
## - mitral_insuff_r.1 1      0.00 170.00
## - carotid_sten_r.1 1      0.00 170.00
## - pvd.1           1      0.00 170.00
## - tricuspid_insuff_r.1 1      0.00 170.00
## - bmi_r.1         1      0.00 170.00
## - bmi_squared_r.1 1      0.00 170.00
## - novsl_r.1       1      0.00 170.00
## - readmit_1y_yn_state.1 1      0.00 170.00
## - anyakin.1       1      0.00 170.00
## - creatcat.1      1      0.00 170.00
## - anymssd.1       1      0.00 170.00
## - lowoutput.1     1      0.00 170.00
## - bmicat.1        1      0.00 170.00
## - bmi1.1          1      0.00 170.00
## - bmi2.1          1      0.00 170.00
## - bmi3.1          1      0.00 170.00
## - bmi4.1          1      0.00 170.00
## - lvedpm.1        1      0.00 170.00
## - anemiapre.1     1      0.00 170.00
## - iabpintra.1     1      0.00 170.00
## - lof1.1          1      0.00 170.00
## - cardblood.1     1      0.00 170.00
## - cardcold.1      1      0.00 170.00
## - hotshot.1       1      0.00 170.00
## - aoxcon.1        1      0.00 170.00
## - ultrafilyn.1    1      0.00 170.00
## - cabg.1          1      0.00 170.00
## - valve.1         1      0.00 170.00
## - gfr60pre.1      1      0.00 170.00
## - fluidprel.1     1      0.00 170.00
## - ptime120.1      1      0.00 170.00
## - heptotl.1       1      0.00 170.00
## - heptot5.1       1      0.00 170.00
## - train           1      0.00 170.00
## <none>             0.00 172.00
## - dead.1          1      783.53 953.53

```

Warning: glm.fit: algorithm did not converge

##

Step: AIC=170

```

## dead ~ dead.1 + ocva.1 + oleginf.1 + otia.1 + orf.1 + opneu.1 +
##   oafib2.1 + return.1 + akin.1 + lm2cat.1 + iabppre_2.1 + priormi_21.1 +
##   priormi_22.1 + priormi_23.1 + priormi_24.1 + age_d.1 + rf_1.1 +
##   priority_21.1 + priority_22.1 + pci_ta.1 + efvalue_r.1 +
##   ef50_neg_r.1 + ef50_neg_d_r.1 + atfibyn_2_r.1 + age_r.1 +
##   ua_r.1 + ua_nmi7_r.1 + chf_r.1 + chf2cat_r.1 + rf_2_r.1 +
##   rf_3_r.1 + sex_r.1 + prcabg_r.1 + copd_r.1 + anydm_r.1 +
##   dm3cat_r.1 + anyvad_r.1 + vad_r.1 + hyper_r.1 + hyperyn_2_r.1 +
##   prptca6_r.1 + lm3cat_r.1 + aortic_insuff_r.1 + aortic_sten_r.1 +
##   chf_nyha_iv_r.1 + chf_nyha_ltiv_r.1 + smoker_r.1 + cvd.1 +
##   htcn_r.1 + htcn_d_r.1 + mitral_insuff_r.1 + carotid_sten_r.1 +
##   pvd.1 + tricuspid_insuff_r.1 + bmi_r.1 + bmi_squared_r.1 +
##   novsl_r.1 + readmit_1y_yn_state.1 + anyakin.1 + creatcat.1 +

```

[illegible]

[illegible]

[illegible]

```

## Warning: glm.fit: algorithm did not converge

## Warning: glm.fit: algorithm did not converge

## Warning: glm.fit: algorithm did not converge

## Warning: glm.fit: algorithm did not converge

## Warning: glm.fit: algorithm did not converge

##           Df Deviance    AIC
## - ocva.1           1      0.00 168.00
## - oleginf.1         1      0.00 168.00
## - otia.1            1      0.00 168.00
## - orf.1             1      0.00 168.00
## - opneu.1           1      0.00 168.00
## - oafib2.1          1      0.00 168.00
## - return.1          1      0.00 168.00
## - akin.1            1      0.00 168.00
## - lm2cat.1          1      0.00 168.00
## - iabppre_2.1       1      0.00 168.00
## - priormi_21.1      1      0.00 168.00
## - priormi_22.1      1      0.00 168.00
## - priormi_23.1      1      0.00 168.00
## - priormi_24.1      1      0.00 168.00
## - age_d.1           1      0.00 168.00
## - rf_1.1            1      0.00 168.00
## - priority_21.1     1      0.00 168.00
## - priority_22.1     1      0.00 168.00
## - pci_ta.1          1      0.00 168.00
## - efvalue_r.1       1      0.00 168.00
## - ef50_neg_r.1      1      0.00 168.00
## - ef50_neg_d_r.1    1      0.00 168.00
## - atfibyn_2_r.1     1      0.00 168.00
## - age_r.1           1      0.00 168.00
## - ua_r.1            1      0.00 168.00
## - ua_nmi7_r.1       1      0.00 168.00
## - chf_r.1           1      0.00 168.00
## - chf2cat_r.1       1      0.00 168.00
## - rf_2_r.1          1      0.00 168.00
## - rf_3_r.1          1      0.00 168.00
## - sex_r.1           1      0.00 168.00
## - prcabg_r.1        1      0.00 168.00
## - copd_r.1          1      0.00 168.00
## - anydm_r.1         1      0.00 168.00
## - dm3cat_r.1        1      0.00 168.00
## - anyvad_r.1        1      0.00 168.00
## - vad_r.1           1      0.00 168.00
## - hyper_r.1         1      0.00 168.00
## - hyperyn_2_r.1     1      0.00 168.00
## - prptca6_r.1       1      0.00 168.00
## - lm3cat_r.1        1      0.00 168.00
## - aortic_insuff_r.1 1      0.00 168.00
## - aortic_sten_r.1   1      0.00 168.00

```

```

## - chf_nyha_iv_r.1      1      0.00 168.00
## - chf_nyha_ltiv_r.1    1      0.00 168.00
## - smoker_r.1           1      0.00 168.00
## - cvd.1                1      0.00 168.00
## - htcn_r.1             1      0.00 168.00
## - htcn_d_r.1           1      0.00 168.00
## - mitral_insuff_r.1    1      0.00 168.00
## - carotid_sten_r.1     1      0.00 168.00
## - pvd.1                1      0.00 168.00
## - tricuspid_insuff_r.1 1      0.00 168.00
## - bmi_r.1              1      0.00 168.00
## - bmi_squared_r.1      1      0.00 168.00
## - novsl_r.1            1      0.00 168.00
## - readmit_1y_yn_state.1 1      0.00 168.00
## - anyakin.1            1      0.00 168.00
## - creatcat.1           1      0.00 168.00
## - anymssd.1            1      0.00 168.00
## - lowoutput.1          1      0.00 168.00
## - bmicat.1             1      0.00 168.00
## - bmi1.1               1      0.00 168.00
## - bmi2.1               1      0.00 168.00
## - bmi3.1               1      0.00 168.00
## - bmi4.1               1      0.00 168.00
## - lvedpm.1             1      0.00 168.00
## - anemiapre.1          1      0.00 168.00
## - iabpintra.1          1      0.00 168.00
## - lof1.1               1      0.00 168.00
## - cardblood.1          1      0.00 168.00
## - cardcold.1           1      0.00 168.00
## - hotshot.1            1      0.00 168.00
## - aoxcon.1             1      0.00 168.00
## - ultrafilyn.1         1      0.00 168.00
## - cabg.1               1      0.00 168.00
## - valve.1              1      0.00 168.00
## - gfr60pre.1           1      0.00 168.00
## - fluidprel.1          1      0.00 168.00
## - ptime120.1           1      0.00 168.00
## - heptotl.1            1      0.00 168.00
## - heptot5.1            1      0.00 168.00
## - train                 1      0.00 168.00
## <none>                  0.00 170.00
## - dead.1               1      784.21 952.21

## Warning: glm.fit: algorithm did not converge

##
## Step: AIC=168
## dead ~ dead.1 + oleginf.1 + otia.1 + orf.1 + opneu.1 + oafib2.1 +
##   return.1 + akin.1 + lm2cat.1 + iabppre_2.1 + priormi_21.1 +
##   priormi_22.1 + priormi_23.1 + priormi_24.1 + age_d.1 + rf_1.1 +
##   priority_21.1 + priority_22.1 + pci_ta.1 + efvalue_r.1 +
##   ef50_neg_r.1 + ef50_neg_d_r.1 + atfibyn_2_r.1 + age_r.1 +
##   ua_r.1 + ua_nmi7_r.1 + chf_r.1 + chf2cat_r.1 + rf_2_r.1 +
##   rf_3_r.1 + sex_r.1 + prcabg_r.1 + copd_r.1 + anydm_r.1 +
##   dm3cat_r.1 + anyvad_r.1 + vad_r.1 + hyper_r.1 + hyperyn_2_r.1 +

```

```
## prptca6_r.1 + lm3cat_r.1 + aortic_insuff_r.1 + aortic_sten_r.1 +  
## chf_nyha_iv_r.1 + chf_nyha_ltiv_r.1 + smoker_r.1 + cvd.1 +  
## htc_m_r.1 + htc_m_d_r.1 + mitral_insuff_r.1 + carotid_sten_r.1 +  
## pvd.1 + tricuspid_insuff_r.1 + bmi_r.1 + bmi_squared_r.1 +  
## novsl_r.1 + readmit_1y_yn_state.1 + anyakin.1 + creatcat.1 +  
## anymssd.1 + lowoutput.1 + bmicat.1 + bmi1.1 + bmi2.1 + bmi3.1 +  
## bmi4.1 + lvedpm.1 + anemiapre.1 + iabpintra.1 + lof1.1 +  
## cardblood.1 + cardcold.1 + hotshot.1 + aoxcon.1 + ultrafilyn.1 +  
## cabg.1 + valve.1 + gfr60pre.1 + fluidprel.1 + ptime120.1 +  
## heptotl.1 + heptot5.1 + train
```

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## Warning: glm.fit: algorithm did not converge
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## Warning: glm.fit: algorithm did not converge
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## Warning: glm.fit: algorithm did not converge
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## Warning: glm.fit: algorithm did not converge
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## Warning: glm.fit: algorithm did not converge
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## Warning: glm.fit: algorithm did not converge
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## Warning: glm.fit: algorithm did not converge
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[illegible]

[illegible]

```
## Warning: glm.fit: algorithm did not converge

## Warning: glm.fit: algorithm did not converge

## Warning: glm.fit: algorithm did not converge

## Warning: glm.fit: algorithm did not converge

## Warning: glm.fit: algorithm did not converge

## Warning: glm.fit: algorithm did not converge
```

##	Df	Deviance	AIC
## - oleginf.1	1	0.00	166.00
## - otia.1	1	0.00	166.00
## - orf.1	1	0.00	166.00
## - opneu.1	1	0.00	166.00
## - oafib2.1	1	0.00	166.00
## - return.1	1	0.00	166.00
## - akin.1	1	0.00	166.00
## - lm2cat.1	1	0.00	166.00
## - iabppre_2.1	1	0.00	166.00
## - priormi_21.1	1	0.00	166.00
## - priormi_22.1	1	0.00	166.00
## - priormi_23.1	1	0.00	166.00
## - priormi_24.1	1	0.00	166.00
## - age_d.1	1	0.00	166.00
## - rf_1.1	1	0.00	166.00
## - priority_21.1	1	0.00	166.00
## - priority_22.1	1	0.00	166.00
## - pci_ta.1	1	0.00	166.00
## - efvalue_r.1	1	0.00	166.00
## - ef50_neg_r.1	1	0.00	166.00
## - ef50_neg_d_r.1	1	0.00	166.00
## - atfibyn_2_r.1	1	0.00	166.00
## - age_r.1	1	0.00	166.00
## - ua_r.1	1	0.00	166.00
## - ua_nmi7_r.1	1	0.00	166.00
## - chf_r.1	1	0.00	166.00
## - chf2cat_r.1	1	0.00	166.00
## - rf_2_r.1	1	0.00	166.00
## - rf_3_r.1	1	0.00	166.00
## - sex_r.1	1	0.00	166.00
## - prcabg_r.1	1	0.00	166.00
## - copd_r.1	1	0.00	166.00
## - anydm_r.1	1	0.00	166.00
## - dm3cat_r.1	1	0.00	166.00
## - anyvad_r.1	1	0.00	166.00
## - vad_r.1	1	0.00	166.00
## - hyper_r.1	1	0.00	166.00
## - hyperyn_2_r.1	1	0.00	166.00
## - prptca6_r.1	1	0.00	166.00
## - lm3cat_r.1	1	0.00	166.00

```

## - aortic_insuff_r.1      1      0.00 166.00
## - aortic_sten_r.1        1      0.00 166.00
## - chf_nyha_iv_r.1        1      0.00 166.00
## - chf_nyha_ltiv_r.1      1      0.00 166.00
## - smoker_r.1             1      0.00 166.00
## - cvd.1                  1      0.00 166.00
## - htc_m_r.1              1      0.00 166.00
## - htc_m_d_r.1            1      0.00 166.00
## - mitral_insuff_r.1      1      0.00 166.00
## - carotid_sten_r.1       1      0.00 166.00
## - pvd.1                  1      0.00 166.00
## - tricuspid_insuff_r.1   1      0.00 166.00
## - bmi_r.1                1      0.00 166.00
## - bmi_squared_r.1        1      0.00 166.00
## - novsl_r.1              1      0.00 166.00
## - readmit_1y_yn_state.1  1      0.00 166.00
## - anyakin.1              1      0.00 166.00
## - creatcat.1             1      0.00 166.00
## - anymssd.1              1      0.00 166.00
## - lowoutput.1            1      0.00 166.00
## - bmicat.1               1      0.00 166.00
## - bmi1.1                 1      0.00 166.00
## - bmi2.1                 1      0.00 166.00
## - bmi3.1                 1      0.00 166.00
## - bmi4.1                 1      0.00 166.00
## - lvedpm.1               1      0.00 166.00
## - anemiapre.1            1      0.00 166.00
## - iabpintra.1            1      0.00 166.00
## - lof1.1                 1      0.00 166.00
## - cardblood.1            1      0.00 166.00
## - cardcold.1             1      0.00 166.00
## - hotshot.1              1      0.00 166.00
## - aoxcon.1               1      0.00 166.00
## - ultrafilyn.1           1      0.00 166.00
## - cabg.1                 1      0.00 166.00
## - valve.1                1      0.00 166.00
## - gfr60pre.1             1      0.00 166.00
## - fluidprel.1            1      0.00 166.00
## - ptime120.1             1      0.00 166.00
## - heptotl.1              1      0.00 166.00
## - heptot5.1              1      0.00 166.00
## - train                  1      0.00 166.00
## <none>                    0.00 168.00
## - dead.1                 1      788.32 954.32

```

Warning: glm.fit: algorithm did not converge

##

Step: AIC=166

```

## dead ~ dead.1 + otia.1 + orf.1 + opneu.1 + oafib2.1 + return.1 +
##   akin.1 + lm2cat.1 + iabppre_2.1 + priormi_21.1 + priormi_22.1 +
##   priormi_23.1 + priormi_24.1 + age_d.1 + rf_1.1 + priority_21.1 +
##   priority_22.1 + pci_ta.1 + efvalue_r.1 + ef50_neg_r.1 + ef50_neg_d_r.1 +
##   atfibyn_2_r.1 + age_r.1 + ua_r.1 + ua_nmi7_r.1 + chf_r.1 +
##   chf2cat_r.1 + rf_2_r.1 + rf_3_r.1 + sex_r.1 + prcabg_r.1 +

```



```
##      copd_r.1 + anydm_r.1 + dm3cat_r.1 + anyvad_r.1 + vad_r.1 +
##      hyper_r.1 + hyperyn_2_r.1 + prptca6_r.1 + lm3cat_r.1 + aortic_insuff_r.1 +
##      aortic_sten_r.1 + chf_nyha_iv_r.1 + chf_nyha_ltiv_r.1 + smoker_r.1 +
##      cvd.1 + htc_m_r.1 + htc_m_d_r.1 + mitral_insuff_r.1 + carotid_sten_r.1 +
##      pvd.1 + tricuspid_insuff_r.1 + bmi_r.1 + bmi_squared_r.1 +
##      novsl_r.1 + readmit_1y_yn_state.1 + anyakin.1 + creatcat.1 +
##      anymssd.1 + lowoutput.1 + bmicat.1 + bmi1.1 + bmi2.1 + bmi3.1 +
##      bmi4.1 + lvedpm.1 + anemiapre.1 + iabpintra.1 + lofl.1 +
##      cardblood.1 + cardcold.1 + hotshot.1 + aoxcon.1 + ultrafilyn.1 +
##      cabg.1 + valve.1 + gfr60pre.1 + fluidprel.1 + ptime120.1 +
##      heptotl.1 + heptot5.1 + train
```

```
## Warning: glm.fit: algorithm did not converge
```

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## Warning: glm.fit: algorithm did not converge
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## Warning: glm.fit: algorithm did not converge
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## Warning: glm.fit: algorithm did not converge
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## Warning: glm.fit: algorithm did not converge
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## Warning: glm.fit: algorithm did not converge
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## Warning: glm.fit: algorithm did not converge
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## Warning: glm.fit: algorithm did not converge
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## Warning: glm.fit: algorithm did not converge
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## Warning: glm.fit: algorithm did not converge
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[illegible]

[illegible]

```
## Warning: glm.fit: algorithm did not converge
## Warning: glm.fit: algorithm did not converge
## Warning: glm.fit: algorithm did not converge
## Warning: glm.fit: algorithm did not converge
## Warning: glm.fit: algorithm did not converge
## Warning: glm.fit: algorithm did not converge
```

##	Df	Deviance	AIC
## - otia.1	1	0.00	164.00
## - orf.1	1	0.00	164.00
## - opneu.1	1	0.00	164.00
## - oafib2.1	1	0.00	164.00
## - return.1	1	0.00	164.00
## - akin.1	1	0.00	164.00
## - lm2cat.1	1	0.00	164.00
## - iabppre_2.1	1	0.00	164.00
## - priormi_21.1	1	0.00	164.00
## - priormi_22.1	1	0.00	164.00
## - priormi_23.1	1	0.00	164.00
## - priormi_24.1	1	0.00	164.00
## - age_d.1	1	0.00	164.00
## - rf_1.1	1	0.00	164.00
## - priority_21.1	1	0.00	164.00
## - priority_22.1	1	0.00	164.00
## - pci_ta.1	1	0.00	164.00
## - efvalue_r.1	1	0.00	164.00
## - ef50_neg_r.1	1	0.00	164.00
## - ef50_neg_d_r.1	1	0.00	164.00
## - atfibyn_2_r.1	1	0.00	164.00
## - age_r.1	1	0.00	164.00
## - ua_r.1	1	0.00	164.00
## - ua_nmi7_r.1	1	0.00	164.00
## - chf_r.1	1	0.00	164.00
## - chf2cat_r.1	1	0.00	164.00
## - rf_2_r.1	1	0.00	164.00
## - rf_3_r.1	1	0.00	164.00
## - sex_r.1	1	0.00	164.00
## - prcabg_r.1	1	0.00	164.00
## - copd_r.1	1	0.00	164.00
## - anydm_r.1	1	0.00	164.00
## - dm3cat_r.1	1	0.00	164.00
## - anyvad_r.1	1	0.00	164.00
## - vad_r.1	1	0.00	164.00
## - hyper_r.1	1	0.00	164.00
## - hyperyn_2_r.1	1	0.00	164.00
## - prptca6_r.1	1	0.00	164.00
## - lm3cat_r.1	1	0.00	164.00
## - aortic_insuff_r.1	1	0.00	164.00
## - aortic_sten_r.1	1	0.00	164.00

```

## - chf_nyha_iv_r.1      1      0.00 164.00
## - chf_nyha_ltiv_r.1    1      0.00 164.00
## - smoker_r.1           1      0.00 164.00
## - cvd.1                1      0.00 164.00
## - htc_m_r.1            1      0.00 164.00
## - htc_m_d_r.1          1      0.00 164.00
## - mitral_insuff_r.1    1      0.00 164.00
## - carotid_sten_r.1     1      0.00 164.00
## - pvd.1                1      0.00 164.00
## - tricuspid_insuff_r.1 1      0.00 164.00
## - bmi_r.1              1      0.00 164.00
## - bmi_squared_r.1      1      0.00 164.00
## - novsl_r.1            1      0.00 164.00
## - readmit_1y_yn_state.1 1      0.00 164.00
## - anyakin.1            1      0.00 164.00
## - creatcat.1           1      0.00 164.00
## - anymssd.1            1      0.00 164.00
## - lowoutput.1          1      0.00 164.00
## - bmicat.1             1      0.00 164.00
## - bmi1.1               1      0.00 164.00
## - bmi2.1               1      0.00 164.00
## - bmi3.1               1      0.00 164.00
## - bmi4.1               1      0.00 164.00
## - lvedpm.1             1      0.00 164.00
## - anemiapre.1          1      0.00 164.00
## - iabpintra.1          1      0.00 164.00
## - lof1.1               1      0.00 164.00
## - cardblood.1          1      0.00 164.00
## - cardcold.1           1      0.00 164.00
## - hotshot.1            1      0.00 164.00
## - aoxcon.1             1      0.00 164.00
## - ultrafilyn.1         1      0.00 164.00
## - cabg.1               1      0.00 164.00
## - valve.1              1      0.00 164.00
## - gfr60pre.1           1      0.00 164.00
## - fluidprel.1          1      0.00 164.00
## - ptime120.1           1      0.00 164.00
## - heptotl.1            1      0.00 164.00
## - heptot5.1            1      0.00 164.00
## - train                1      0.00 164.00
## <none>                  0.00 166.00
## - dead.1               1      791.25 955.25

## Warning: glm.fit: algorithm did not converge

##
## Step: AIC=164
## dead ~ dead.1 + orf.1 + opneu.1 + oafib2.1 + return.1 + akin.1 +
##   lm2cat.1 + iabppre_2.1 + priormi_21.1 + priormi_22.1 + priormi_23.1 +
##   priormi_24.1 + age_d.1 + rf_1.1 + priority_21.1 + priority_22.1 +
##   pci_ta.1 + efvalue_r.1 + ef50_neg_r.1 + ef50_neg_d_r.1 +
##   atfibyn_2_r.1 + age_r.1 + ua_r.1 + ua_nmi7_r.1 + chf_r.1 +
##   chf2cat_r.1 + rf_2_r.1 + rf_3_r.1 + sex_r.1 + prcabg_r.1 +
##   copd_r.1 + anydm_r.1 + dm3cat_r.1 + anyvad_r.1 + vad_r.1 +
##   hyper_r.1 + hyperyn_2_r.1 + prptca6_r.1 + lm3cat_r.1 + aortic_insuff_r.1 +

```

[illegible]

[illegible]

[illegible]

Warning: glm.fit: algorithm did not converge

Warning: glm.fit: algorithm did not converge

Warning: glm.fit: algorithm did not converge

Warning: glm.fit: algorithm did not converge

##	Df	Deviance	AIC
## - orf.1	1	0.0	162.0
## - opneu.1	1	0.0	162.0
## - oafib2.1	1	0.0	162.0
## - return.1	1	0.0	162.0
## - akin.1	1	0.0	162.0
## - lm2cat.1	1	0.0	162.0
## - iabppre_2.1	1	0.0	162.0
## - priormi_21.1	1	0.0	162.0
## - priormi_22.1	1	0.0	162.0
## - priormi_23.1	1	0.0	162.0
## - priormi_24.1	1	0.0	162.0
## - age_d.1	1	0.0	162.0
## - rf_1.1	1	0.0	162.0
## - priority_21.1	1	0.0	162.0
## - priority_22.1	1	0.0	162.0
## - pci_ta.1	1	0.0	162.0
## - efvalue_r.1	1	0.0	162.0
## - ef50_neg_r.1	1	0.0	162.0
## - ef50_neg_d_r.1	1	0.0	162.0
## - atfibyn_2_r.1	1	0.0	162.0
## - age_r.1	1	0.0	162.0
## - ua_r.1	1	0.0	162.0
## - ua_nmi7_r.1	1	0.0	162.0
## - chf_r.1	1	0.0	162.0
## - chf2cat_r.1	1	0.0	162.0
## - rf_2_r.1	1	0.0	162.0
## - rf_3_r.1	1	0.0	162.0
## - sex_r.1	1	0.0	162.0
## - prcabg_r.1	1	0.0	162.0
## - copd_r.1	1	0.0	162.0
## - anydm_r.1	1	0.0	162.0
## - dm3cat_r.1	1	0.0	162.0
## - anyvad_r.1	1	0.0	162.0
## - vad_r.1	1	0.0	162.0
## - hyper_r.1	1	0.0	162.0
## - hyperyn_2_r.1	1	0.0	162.0
## - prptca6_r.1	1	0.0	162.0
## - lm3cat_r.1	1	0.0	162.0
## - aortic_insuff_r.1	1	0.0	162.0
## - aortic_sten_r.1	1	0.0	162.0
## - chf_nyha_iv_r.1	1	0.0	162.0
## - chf_nyha_ltiv_r.1	1	0.0	162.0
## - smoker_r.1	1	0.0	162.0
## - cvd.1	1	0.0	162.0
## - htc_m_r.1	1	0.0	162.0

```

## - htcn_d_r.1          1      0.0 162.0
## - mitral_insuff_r.1    1      0.0 162.0
## - carotid_sten_r.1     1      0.0 162.0
## - pvd.1                1      0.0 162.0
## - tricuspid_insuff_r.1 1      0.0 162.0
## - bmi_r.1              1      0.0 162.0
## - bmi_squared_r.1      1      0.0 162.0
## - novsl_r.1            1      0.0 162.0
## - readmit_1y_yn_state.1 1      0.0 162.0
## - anyakin.1            1      0.0 162.0
## - creatcat.1           1      0.0 162.0
## - anymssd.1            1      0.0 162.0
## - lowoutput.1          1      0.0 162.0
## - bmicat.1             1      0.0 162.0
## - bmi1.1               1      0.0 162.0
## - bmi2.1               1      0.0 162.0
## - bmi3.1               1      0.0 162.0
## - bmi4.1               1      0.0 162.0
## - lvedpm.1             1      0.0 162.0
## - anemiapre.1          1      0.0 162.0
## - iabpintra.1          1      0.0 162.0
## - lof1.1               1      0.0 162.0
## - cardblood.1          1      0.0 162.0
## - cardcold.1           1      0.0 162.0
## - hotshot.1            1      0.0 162.0
## - aoxcon.1             1      0.0 162.0
## - ultrafily.1          1      0.0 162.0
## - cabg.1               1      0.0 162.0
## - valve.1              1      0.0 162.0
## - gfr60pre.1           1      0.0 162.0
## - fluidprel.1          1      0.0 162.0
## - ptime120.1           1      0.0 162.0
## - heptotl.1            1      0.0 162.0
## - heptot5.1            1      0.0 162.0
## - train                 1      0.0 162.0
## <none>                  0.0 164.0
## - dead.1                1    791.5 953.5

## Warning: glm.fit: algorithm did not converge

##
## Step: AIC=162
## dead ~ dead.1 + opneu.1 + oafib2.1 + return.1 + akin.1 + lm2cat.1 +
## iabppre_2.1 + priormi_21.1 + priormi_22.1 + priormi_23.1 +
## priormi_24.1 + age_d.1 + rf_1.1 + priority_21.1 + priority_22.1 +
## pci_ta.1 + efvalue_r.1 + ef50_neg_r.1 + ef50_neg_d_r.1 +
## atfibyn_2_r.1 + age_r.1 + ua_r.1 + ua_nmi7_r.1 + chf_r.1 +
## chf2cat_r.1 + rf_2_r.1 + rf_3_r.1 + sex_r.1 + prcabg_r.1 +
## copd_r.1 + anydm_r.1 + dm3cat_r.1 + anyvad_r.1 + vad_r.1 +
## hyper_r.1 + hyperyn_2_r.1 + prptca6_r.1 + lm3cat_r.1 + aortic_insuff_r.1 +
## aortic_sten_r.1 + chf_nyha_iv_r.1 + chf_nyha_ltiv_r.1 + smoker_r.1 +
## cvd.1 + htcn_r.1 + htcn_d_r.1 + mitral_insuff_r.1 + carotid_sten_r.1 +
## pvd.1 + tricuspid_insuff_r.1 + bmi_r.1 + bmi_squared_r.1 +
## novsl_r.1 + readmit_1y_yn_state.1 + anyakin.1 + creatcat.1 +
## anymssd.1 + lowoutput.1 + bmicat.1 + bmi1.1 + bmi2.1 + bmi3.1 +

```

[illegible]

[illegible]

##	Df	Deviance	AIC
## - opneu.1	1	0.00	160.00
## - oafib2.1	1	0.00	160.00
## - return.1	1	0.00	160.00
## - akin.1	1	0.00	160.00
## - lm2cat.1	1	0.00	160.00
## - iabppre_2.1	1	0.00	160.00
## - priormi_21.1	1	0.00	160.00
## - priormi_22.1	1	0.00	160.00
## - priormi_23.1	1	0.00	160.00
## - priormi_24.1	1	0.00	160.00
## - age_d.1	1	0.00	160.00
## - rf_1.1	1	0.00	160.00
## - priority_21.1	1	0.00	160.00
## - priority_22.1	1	0.00	160.00
## - pci_ta.1	1	0.00	160.00
## - efvalue_r.1	1	0.00	160.00
## - ef50_neg_r.1	1	0.00	160.00
## - ef50_neg_d_r.1	1	0.00	160.00
## - atfibyn_2_r.1	1	0.00	160.00
## - age_r.1	1	0.00	160.00
## - ua_r.1	1	0.00	160.00
## - ua_nmi7_r.1	1	0.00	160.00
## - chf_r.1	1	0.00	160.00
## - chf2cat_r.1	1	0.00	160.00
## - rf_2_r.1	1	0.00	160.00
## - rf_3_r.1	1	0.00	160.00
## - sex_r.1	1	0.00	160.00
## - prcabg_r.1	1	0.00	160.00
## - copd_r.1	1	0.00	160.00
## - anydm_r.1	1	0.00	160.00
## - dm3cat_r.1	1	0.00	160.00
## - anyvad_r.1	1	0.00	160.00
## - vad_r.1	1	0.00	160.00
## - hyper_r.1	1	0.00	160.00
## - hyperyn_2_r.1	1	0.00	160.00
## - prptca6_r.1	1	0.00	160.00
## - lm3cat_r.1	1	0.00	160.00
## - aortic_insuff_r.1	1	0.00	160.00
## - aortic_sten_r.1	1	0.00	160.00
## - chf_nyha_iv_r.1	1	0.00	160.00
## - chf_nyha_ltiv_r.1	1	0.00	160.00
## - smoker_r.1	1	0.00	160.00
## - cvd.1	1	0.00	160.00
## - htc_m_r.1	1	0.00	160.00
## - htc_m_d_r.1	1	0.00	160.00
## - mitral_insuff_r.1	1	0.00	160.00
## - carotid_sten_r.1	1	0.00	160.00
## - pvd.1	1	0.00	160.00
## - tricusp_insuff_r.1	1	0.00	160.00
## - bmi_r.1	1	0.00	160.00
## - bmi_squared_r.1	1	0.00	160.00
## - novsl_r.1	1	0.00	160.00
## - readmit_1y_yn_state.1	1	0.00	160.00

```

## - anyakin.1          1      0.00 160.00
## - creatcat.1         1      0.00 160.00
## - anymssd.1          1      0.00 160.00
## - lowoutput.1        1      0.00 160.00
## - bmicat.1           1      0.00 160.00
## - bmi1.1             1      0.00 160.00
## - bmi2.1             1      0.00 160.00
## - bmi3.1             1      0.00 160.00
## - bmi4.1             1      0.00 160.00
## - lvedpm.1           1      0.00 160.00
## - anemiapre.1        1      0.00 160.00
## - iabpintra.1        1      0.00 160.00
## - lof1.1             1      0.00 160.00
## - cardblood.1        1      0.00 160.00
## - cardcold.1         1      0.00 160.00
## - hotshot.1          1      0.00 160.00
## - aoxcon.1           1      0.00 160.00
## - ultrafilyn.1       1      0.00 160.00
## - cabg.1             1      0.00 160.00
## - valve.1            1      0.00 160.00
## - gfr60pre.1         1      0.00 160.00
## - fluidprel.1        1      0.00 160.00
## - ptime120.1         1      0.00 160.00
## - heptotl.1          1      0.00 160.00
## - heptot5.1          1      0.00 160.00
## - train              1      0.00 160.00
## <none>                0.00 162.00
## - dead.1             1    791.53 951.53

## Warning: glm.fit: algorithm did not converge

##
## Step: AIC=160
## dead ~ dead.1 + oafib2.1 + return.1 + akin.1 + lm2cat.1 + iabppre_2.1 +
##   priormi_21.1 + priormi_22.1 + priormi_23.1 + priormi_24.1 +
##   age_d.1 + rf_1.1 + priority_21.1 + priority_22.1 + pci_ta.1 +
##   efvalue_r.1 + ef50_neg_r.1 + ef50_neg_d_r.1 + atfibyn_2_r.1 +
##   age_r.1 + ua_r.1 + ua_nmi7_r.1 + chf_r.1 + chf2cat_r.1 +
##   rf_2_r.1 + rf_3_r.1 + sex_r.1 + prcabg_r.1 + copd_r.1 + anydm_r.1 +
##   dm3cat_r.1 + anyvad_r.1 + vad_r.1 + hyper_r.1 + hyperyn_2_r.1 +
##   prptca6_r.1 + lm3cat_r.1 + aortic_insuff_r.1 + aortic_sten_r.1 +
##   chf_nyha_iv_r.1 + chf_nyha_ltiv_r.1 + smoker_r.1 + cvd.1 +
##   htcn_r.1 + htcn_d_r.1 + mitral_insuff_r.1 + carotid_sten_r.1 +
##   pvd.1 + tricuspid_insuff_r.1 + bmi_r.1 + bmi_squared_r.1 +
##   novsl_r.1 + readmit_1y_yn_state.1 + anyakin.1 + creatcat.1 +
##   anymssd.1 + lowoutput.1 + bmicat.1 + bmi1.1 + bmi2.1 + bmi3.1 +
##   bmi4.1 + lvedpm.1 + anemiapre.1 + iabpintra.1 + lof1.1 +
##   cardblood.1 + cardcold.1 + hotshot.1 + aoxcon.1 + ultrafilyn.1 +
##   cabg.1 + valve.1 + gfr60pre.1 + fluidprel.1 + ptime120.1 +
##   heptotl.1 + heptot5.1 + train

## Warning: glm.fit: algorithm did not converge

## Warning: glm.fit: algorithm did not converge

```

[illegible]

[illegible]

[illegible]

## - age_d.1	1	0.00	158.00
## - rf_1.1	1	0.00	158.00
## - priority_21.1	1	0.00	158.00
## - priority_22.1	1	0.00	158.00
## - pci_ta.1	1	0.00	158.00
## - efvalue_r.1	1	0.00	158.00
## - ef50_neg_r.1	1	0.00	158.00
## - ef50_neg_d_r.1	1	0.00	158.00
## - atfibyn_2_r.1	1	0.00	158.00
## - age_r.1	1	0.00	158.00
## - ua_r.1	1	0.00	158.00
## - ua_nmi7_r.1	1	0.00	158.00
## - chf_r.1	1	0.00	158.00
## - chf2cat_r.1	1	0.00	158.00
## - rf_2_r.1	1	0.00	158.00
## - rf_3_r.1	1	0.00	158.00
## - sex_r.1	1	0.00	158.00
## - prcabg_r.1	1	0.00	158.00
## - copd_r.1	1	0.00	158.00
## - anydm_r.1	1	0.00	158.00
## - dm3cat_r.1	1	0.00	158.00
## - anyvad_r.1	1	0.00	158.00
## - vad_r.1	1	0.00	158.00
## - hyper_r.1	1	0.00	158.00
## - hyperyn_2_r.1	1	0.00	158.00
## - prptca6_r.1	1	0.00	158.00
## - lm3cat_r.1	1	0.00	158.00
## - aortic_insuff_r.1	1	0.00	158.00
## - aortic_sten_r.1	1	0.00	158.00
## - chf_nyha_iv_r.1	1	0.00	158.00
## - chf_nyha_ltiv_r.1	1	0.00	158.00
## - smoker_r.1	1	0.00	158.00
## - cvd.1	1	0.00	158.00
## - htcn_r.1	1	0.00	158.00
## - htcn_d_r.1	1	0.00	158.00
## - mitral_insuff_r.1	1	0.00	158.00
## - carotid_sten_r.1	1	0.00	158.00
## - pvd.1	1	0.00	158.00
## - tricusp_insuff_r.1	1	0.00	158.00
## - bmi_r.1	1	0.00	158.00
## - bmi_squared_r.1	1	0.00	158.00
## - novsl_r.1	1	0.00	158.00
## - readmit_1y_yn_state.1	1	0.00	158.00
## - anyakin.1	1	0.00	158.00
## - creatcat.1	1	0.00	158.00
## - anymssd.1	1	0.00	158.00
## - lowoutput.1	1	0.00	158.00
## - bmicat.1	1	0.00	158.00
## - bmi1.1	1	0.00	158.00
## - bmi2.1	1	0.00	158.00
## - bmi3.1	1	0.00	158.00
## - bmi4.1	1	0.00	158.00
## - lvedpm.1	1	0.00	158.00
## - anemiapre.1	1	0.00	158.00

```

## - iabpintra.1          1      0.00 158.00
## - lof1.1              1      0.00 158.00
## - cardblood.1         1      0.00 158.00
## - cardcold.1          1      0.00 158.00
## - hotshot.1           1      0.00 158.00
## - aoxcon.1            1      0.00 158.00
## - ultrafilyn.1        1      0.00 158.00
## - cabg.1              1      0.00 158.00
## - valve.1             1      0.00 158.00
## - gfr60pre.1          1      0.00 158.00
## - fluidprel.1         1      0.00 158.00
## - ptime120.1          1      0.00 158.00
## - heptotl.1           1      0.00 158.00
## - heptot5.1           1      0.00 158.00
## - train               1      0.00 158.00
## <none>                 0.00 160.00
## - dead.1              1    793.43 951.43

## Warning: glm.fit: algorithm did not converge

##
## Step: AIC=158
## dead ~ dead.1 + return.1 + akin.1 + lm2cat.1 + iabppre_2.1 +
##   priormi_21.1 + priormi_22.1 + priormi_23.1 + priormi_24.1 +
##   age_d.1 + rf_1.1 + priority_21.1 + priority_22.1 + pci_ta.1 +
##   efvalue_r.1 + ef50_neg_r.1 + ef50_neg_d_r.1 + atfibyn_2_r.1 +
##   age_r.1 + ua_r.1 + ua_nmi7_r.1 + chf_r.1 + chf2cat_r.1 +
##   rf_2_r.1 + rf_3_r.1 + sex_r.1 + prcabg_r.1 + copd_r.1 + anydm_r.1 +
##   dm3cat_r.1 + anyvad_r.1 + vad_r.1 + hyper_r.1 + hyperyn_2_r.1 +
##   prptca6_r.1 + lm3cat_r.1 + aortic_insuff_r.1 + aortic_sten_r.1 +
##   chf_nyha_iv_r.1 + chf_nyha_ltiv_r.1 + smoker_r.1 + cvd.1 +
##   htc_m_r.1 + htc_m_d_r.1 + mitral_insuff_r.1 + carotid_sten_r.1 +
##   pvd.1 + tricuspid_insuff_r.1 + bmi_r.1 + bmi_squared_r.1 +
##   novsl_r.1 + readmit_1y_yn_state.1 + anyakin.1 + creatcat.1 +
##   anymssd.1 + lowoutput.1 + bmicat.1 + bmi1.1 + bmi2.1 + bmi3.1 +
##   bmi4.1 + lvedpm.1 + anemiapre.1 + iabpintra.1 + lof1.1 +
##   cardblood.1 + cardcold.1 + hotshot.1 + aoxcon.1 + ultrafilyn.1 +
##   cabg.1 + valve.1 + gfr60pre.1 + fluidprel.1 + ptime120.1 +
##   heptotl.1 + heptot5.1 + train

## Warning: glm.fit: algorithm did not converge

## Warning: glm.fit: algorithm did not converge

## Warning: glm.fit: algorithm did not converge

## Warning: glm.fit: algorithm did not converge

## Warning: glm.fit: algorithm did not converge

## Warning: glm.fit: algorithm did not converge

## Warning: glm.fit: algorithm did not converge

```

[illegible]


```

## Warning: glm.fit: algorithm did not converge

## Warning: glm.fit: algorithm did not converge

## Warning: glm.fit: algorithm did not converge

## Warning: glm.fit: algorithm did not converge

## Warning: glm.fit: algorithm did not converge

## Warning: glm.fit: algorithm did not converge

## Warning: glm.fit: algorithm did not converge

## Warning: glm.fit: algorithm did not converge

## Warning: glm.fit: algorithm did not converge

## Warning: glm.fit: algorithm did not converge

## Warning: glm.fit: algorithm did not converge

## Warning: glm.fit: algorithm did not converge

## Warning: glm.fit: algorithm did not converge

## Warning: glm.fit: algorithm did not converge

##
##           Df Deviance    AIC
## - return.1      1      0.00 156.00
## - akin.1         1      0.00 156.00
## - lm2cat.1       1      0.00 156.00
## - iabppre_2.1    1      0.00 156.00
## - priormi_21.1   1      0.00 156.00
## - priormi_22.1   1      0.00 156.00
## - priormi_23.1   1      0.00 156.00
## - priormi_24.1   1      0.00 156.00
## - age_d.1        1      0.00 156.00
## - rf_1.1         1      0.00 156.00
## - priority_21.1  1      0.00 156.00
## - priority_22.1  1      0.00 156.00
## - pci_ta.1       1      0.00 156.00
## - efvalue_r.1    1      0.00 156.00
## - ef50_neg_r.1   1      0.00 156.00
## - ef50_neg_d_r.1 1      0.00 156.00
## - atfibyn_2_r.1  1      0.00 156.00
## - age_r.1        1      0.00 156.00
## - ua_r.1         1      0.00 156.00
## - ua_nmi7_r.1    1      0.00 156.00
## - chf_r.1        1      0.00 156.00
## - chf2cat_r.1    1      0.00 156.00

```

## - rf_2_r.1	1	0.00	156.00
## - rf_3_r.1	1	0.00	156.00
## - sex_r.1	1	0.00	156.00
## - prcabg_r.1	1	0.00	156.00
## - copd_r.1	1	0.00	156.00
## - anydm_r.1	1	0.00	156.00
## - dm3cat_r.1	1	0.00	156.00
## - anyvad_r.1	1	0.00	156.00
## - vad_r.1	1	0.00	156.00
## - hyper_r.1	1	0.00	156.00
## - hyperyn_2_r.1	1	0.00	156.00
## - prptca6_r.1	1	0.00	156.00
## - lm3cat_r.1	1	0.00	156.00
## - aortic_insuff_r.1	1	0.00	156.00
## - aortic_sten_r.1	1	0.00	156.00
## - chf_nyha_iv_r.1	1	0.00	156.00
## - chf_nyha_ltiv_r.1	1	0.00	156.00
## - smoker_r.1	1	0.00	156.00
## - cvd.1	1	0.00	156.00
## - htc_m_r.1	1	0.00	156.00
## - htc_m_d_r.1	1	0.00	156.00
## - mitral_insuff_r.1	1	0.00	156.00
## - carotid_sten_r.1	1	0.00	156.00
## - pvd.1	1	0.00	156.00
## - tricuspid_insuff_r.1	1	0.00	156.00
## - bmi_r.1	1	0.00	156.00
## - bmi_squared_r.1	1	0.00	156.00
## - novsl_r.1	1	0.00	156.00
## - readmit_1y_yn_state.1	1	0.00	156.00
## - anyakin.1	1	0.00	156.00
## - creatcat.1	1	0.00	156.00
## - anymssd.1	1	0.00	156.00
## - lowoutput.1	1	0.00	156.00
## - bmicat.1	1	0.00	156.00
## - bmi1.1	1	0.00	156.00
## - bmi2.1	1	0.00	156.00
## - bmi3.1	1	0.00	156.00
## - bmi4.1	1	0.00	156.00
## - lvedpm.1	1	0.00	156.00
## - anemiapre.1	1	0.00	156.00
## - iabpintra.1	1	0.00	156.00
## - lof1.1	1	0.00	156.00
## - cardblood.1	1	0.00	156.00
## - cardcold.1	1	0.00	156.00
## - hotshot.1	1	0.00	156.00
## - aoxcon.1	1	0.00	156.00
## - ultrafilyn.1	1	0.00	156.00
## - cabg.1	1	0.00	156.00
## - valve.1	1	0.00	156.00
## - gfr60pre.1	1	0.00	156.00
## - fluidprel.1	1	0.00	156.00
## - ptime120.1	1	0.00	156.00
## - heptotl.1	1	0.00	156.00
## - heptot5.1	1	0.00	156.00


```

## - train          1      0.00 156.00
## <none>           0.00 158.00
## - dead.1        1    795.87 951.87

## Warning: glm.fit: algorithm did not converge

##
## Step:  AIC=156
## dead ~ dead.1 + akin.1 + lm2cat.1 + iabppre_2.1 + priormi_21.1 +
##      priormi_22.1 + priormi_23.1 + priormi_24.1 + age_d.1 + rf_1.1 +
##      priority_21.1 + priority_22.1 + pci_ta.1 + efvalue_r.1 +
##      ef50_neg_r.1 + ef50_neg_d_r.1 + atfibyn_2_r.1 + age_r.1 +
##      ua_r.1 + ua_nmi7_r.1 + chf_r.1 + chf2cat_r.1 + rf_2_r.1 +
##      rf_3_r.1 + sex_r.1 + prcabg_r.1 + copd_r.1 + anydm_r.1 +
##      dm3cat_r.1 + anyvad_r.1 + vad_r.1 + hyper_r.1 + hyperyn_2_r.1 +
##      prptca6_r.1 + lm3cat_r.1 + aortic_insuff_r.1 + aortic_sten_r.1 +
##      chf_nyha_iv_r.1 + chf_nyha_ltiv_r.1 + smoker_r.1 + cvd.1 +
##      htcn_r.1 + htcn_d_r.1 + mitral_insuff_r.1 + carotid_sten_r.1 +
##      pvd.1 + tricuspid_insuff_r.1 + bmi_r.1 + bmi_squared_r.1 +
##      novsl_r.1 + readmit_1y_yn_state.1 + anyakin.1 + creatcat.1 +
##      anymssd.1 + lowoutput.1 + bmicat.1 + bmi1.1 + bmi2.1 + bmi3.1 +
##      bmi4.1 + lvedpm.1 + anemiapre.1 + iabpintra.1 + lof1.1 +
##      cardblood.1 + cardcold.1 + hotshot.1 + aoxcon.1 + ultrafilyn.1 +
##      cabg.1 + valve.1 + gfr60pre.1 + fluidprel.1 + ptime120.1 +
##      heptotl.1 + heptot5.1 + train

## Warning: glm.fit: algorithm did not converge

## Warning: glm.fit: algorithm did not converge

## Warning: glm.fit: algorithm did not converge

## Warning: glm.fit: algorithm did not converge

## Warning: glm.fit: algorithm did not converge

## Warning: glm.fit: algorithm did not converge

## Warning: glm.fit: algorithm did not converge

## Warning: glm.fit: algorithm did not converge

## Warning: glm.fit: algorithm did not converge

## Warning: glm.fit: algorithm did not converge

## Warning: glm.fit: algorithm did not converge

## Warning: glm.fit: algorithm did not converge

## Warning: glm.fit: algorithm did not converge

## Warning: glm.fit: algorithm did not converge

```


[illegible]

```
## Warning: glm.fit: algorithm did not converge
## Warning: glm.fit: algorithm did not converge
## Warning: glm.fit: algorithm did not converge
## Warning: glm.fit: algorithm did not converge
## Warning: glm.fit: algorithm did not converge
## Warning: glm.fit: algorithm did not converge
```

```
## Warning: glm.fit: algorithm did not converge
```

##	Df	Deviance	AIC
## - akin.1	1	0.00	154.00
## - lm2cat.1	1	0.00	154.00
## - iabppre_2.1	1	0.00	154.00
## - priormi_21.1	1	0.00	154.00
## - priormi_22.1	1	0.00	154.00
## - priormi_23.1	1	0.00	154.00
## - priormi_24.1	1	0.00	154.00
## - age_d.1	1	0.00	154.00
## - rf_1.1	1	0.00	154.00
## - priority_21.1	1	0.00	154.00
## - priority_22.1	1	0.00	154.00
## - pci_ta.1	1	0.00	154.00
## - efvalue_r.1	1	0.00	154.00
## - ef50_neg_r.1	1	0.00	154.00
## - ef50_neg_d_r.1	1	0.00	154.00
## - atfibyn_2_r.1	1	0.00	154.00
## - age_r.1	1	0.00	154.00
## - ua_r.1	1	0.00	154.00
## - ua_nmi7_r.1	1	0.00	154.00
## - chf_r.1	1	0.00	154.00
## - chf2cat_r.1	1	0.00	154.00
## - rf_2_r.1	1	0.00	154.00
## - rf_3_r.1	1	0.00	154.00
## - sex_r.1	1	0.00	154.00
## - prcabg_r.1	1	0.00	154.00
## - copd_r.1	1	0.00	154.00
## - anydm_r.1	1	0.00	154.00
## - dm3cat_r.1	1	0.00	154.00
## - anyvad_r.1	1	0.00	154.00
## - vad_r.1	1	0.00	154.00
## - hyper_r.1	1	0.00	154.00
## - hyperyn_2_r.1	1	0.00	154.00
## - prptca6_r.1	1	0.00	154.00
## - lm3cat_r.1	1	0.00	154.00
## - aortic_insuff_r.1	1	0.00	154.00
## - aortic_sten_r.1	1	0.00	154.00
## - chf_nyha_iv_r.1	1	0.00	154.00
## - chf_nyha_ltiv_r.1	1	0.00	154.00

```

## - smoker_r.1          1      0.00 154.00
## - cvd.1               1      0.00 154.00
## - htc_m_r.1           1      0.00 154.00
## - htc_m_d_r.1         1      0.00 154.00
## - mitral_insuff_r.1   1      0.00 154.00
## - carotid_sten_r.1    1      0.00 154.00
## - pvd.1               1      0.00 154.00
## - tricuspid_insuff_r.1 1      0.00 154.00
## - bmi_r.1             1      0.00 154.00
## - bmi_squared_r.1     1      0.00 154.00
## - novsl_r.1           1      0.00 154.00
## - readmit_1y_yn_state.1 1      0.00 154.00
## - anyakin.1           1      0.00 154.00
## - creatcat.1          1      0.00 154.00
## - anymssd.1           1      0.00 154.00
## - lowoutput.1         1      0.00 154.00
## - bmicat.1            1      0.00 154.00
## - bmi1.1              1      0.00 154.00
## - bmi2.1              1      0.00 154.00
## - bmi3.1              1      0.00 154.00
## - bmi4.1              1      0.00 154.00
## - lvedpm.1            1      0.00 154.00
## - anemiapre.1         1      0.00 154.00
## - iabpintra.1         1      0.00 154.00
## - lof1.1              1      0.00 154.00
## - cardblood.1         1      0.00 154.00
## - cardcold.1          1      0.00 154.00
## - hotshot.1           1      0.00 154.00
## - aoxcon.1            1      0.00 154.00
## - ultrafilyn.1        1      0.00 154.00
## - cabg.1              1      0.00 154.00
## - valve.1             1      0.00 154.00
## - gfr60pre.1          1      0.00 154.00
## - fluidprel.1         1      0.00 154.00
## - ptime120.1          1      0.00 154.00
## - heptotl.1           1      0.00 154.00
## - heptot5.1           1      0.00 154.00
## - train               1      0.00 154.00
## <none>                 0.00 156.00
## - dead.1              1      797.07 951.07

## Warning: glm.fit: algorithm did not converge

##
## Step: AIC=154
## dead ~ dead.1 + lm2cat.1 + iabppre_2.1 + priormi_21.1 + priormi_22.1 +
##   priormi_23.1 + priormi_24.1 + age_d.1 + rf_1.1 + priority_21.1 +
##   priority_22.1 + pci_ta.1 + efvalue_r.1 + ef50_neg_r.1 + ef50_neg_d_r.1 +
##   atfibyn_2_r.1 + age_r.1 + ua_r.1 + ua_nmi7_r.1 + chf_r.1 +
##   chf2cat_r.1 + rf_2_r.1 + rf_3_r.1 + sex_r.1 + prcabg_r.1 +
##   copd_r.1 + anydm_r.1 + dm3cat_r.1 + anyvad_r.1 + vad_r.1 +
##   hyper_r.1 + hyperyn_2_r.1 + prptca6_r.1 + lm3cat_r.1 + aortic_insuff_r.1 +
##   aortic_sten_r.1 + chf_nyha_iv_r.1 + chf_nyha_ltiv_r.1 + smoker_r.1 +
##   cvd.1 + htc_m_r.1 + htc_m_d_r.1 + mitral_insuff_r.1 + carotid_sten_r.1 +
##   pvd.1 + tricuspid_insuff_r.1 + bmi_r.1 + bmi_squared_r.1 +

```

[illegible]

[illegible]

[illegible]

## - priormi_23.1	1	0.00	152.00
## - priormi_24.1	1	0.00	152.00
## - age_d.1	1	0.00	152.00
## - rf_1.1	1	0.00	152.00
## - priority_21.1	1	0.00	152.00
## - priority_22.1	1	0.00	152.00
## - pci_ta.1	1	0.00	152.00
## - efvalue_r.1	1	0.00	152.00
## - ef50_neg_r.1	1	0.00	152.00
## - ef50_neg_d_r.1	1	0.00	152.00
## - atfibyn_2_r.1	1	0.00	152.00
## - age_r.1	1	0.00	152.00
## - ua_r.1	1	0.00	152.00
## - ua_nmi7_r.1	1	0.00	152.00
## - chf_r.1	1	0.00	152.00
## - chf2cat_r.1	1	0.00	152.00
## - rf_2_r.1	1	0.00	152.00
## - rf_3_r.1	1	0.00	152.00
## - sex_r.1	1	0.00	152.00
## - prcabg_r.1	1	0.00	152.00
## - copd_r.1	1	0.00	152.00
## - anydm_r.1	1	0.00	152.00
## - dm3cat_r.1	1	0.00	152.00
## - anyvad_r.1	1	0.00	152.00
## - vad_r.1	1	0.00	152.00
## - hyper_r.1	1	0.00	152.00
## - hyperyn_2_r.1	1	0.00	152.00
## - prptca6_r.1	1	0.00	152.00
## - lm3cat_r.1	1	0.00	152.00
## - aortic_insuff_r.1	1	0.00	152.00
## - aortic_sten_r.1	1	0.00	152.00
## - chf_nyha_iv_r.1	1	0.00	152.00
## - chf_nyha_ltiv_r.1	1	0.00	152.00
## - smoker_r.1	1	0.00	152.00
## - cvd.1	1	0.00	152.00
## - htcn_r.1	1	0.00	152.00
## - htcn_d_r.1	1	0.00	152.00
## - mitral_insuff_r.1	1	0.00	152.00
## - carotid_sten_r.1	1	0.00	152.00
## - pvd.1	1	0.00	152.00
## - tricuspid_insuff_r.1	1	0.00	152.00
## - bmi_r.1	1	0.00	152.00
## - bmi_squared_r.1	1	0.00	152.00
## - novsl_r.1	1	0.00	152.00
## - readmit_1y_yn_state.1	1	0.00	152.00
## - anyakin.1	1	0.00	152.00
## - creatcat.1	1	0.00	152.00
## - anymssd.1	1	0.00	152.00
## - lowoutput.1	1	0.00	152.00
## - bmicat.1	1	0.00	152.00
## - bmi1.1	1	0.00	152.00
## - bmi2.1	1	0.00	152.00
## - bmi3.1	1	0.00	152.00
## - bmi4.1	1	0.00	152.00

```

## - lvedpm.1          1      0.00 152.00
## - anemiapre.1       1      0.00 152.00
## - iabpintra.1       1      0.00 152.00
## - lof1.1            1      0.00 152.00
## - cardblood.1       1      0.00 152.00
## - cardcold.1        1      0.00 152.00
## - hotshot.1         1      0.00 152.00
## - aoxcon.1          1      0.00 152.00
## - ultrafilyn.1      1      0.00 152.00
## - cabg.1            1      0.00 152.00
## - valve.1           1      0.00 152.00
## - gfr60pre.1        1      0.00 152.00
## - fluidprel.1       1      0.00 152.00
## - ptime120.1        1      0.00 152.00
## - heptotl.1         1      0.00 152.00
## - heptot5.1         1      0.00 152.00
## - train             1      0.00 152.00
## <none>              0.00 154.00
## - dead.1            1    799.14 951.14

## Warning: glm.fit: algorithm did not converge

##
## Step:  AIC=152
## dead ~ dead.1 + iabppre_2.1 + priormi_21.1 + priormi_22.1 + priormi_23.1 +
##   priormi_24.1 + age_d.1 + rf_1.1 + priority_21.1 + priority_22.1 +
##   pci_ta.1 + efvalue_r.1 + ef50_neg_r.1 + ef50_neg_d_r.1 +
##   atfibyn_2_r.1 + age_r.1 + ua_r.1 + ua_nmi7_r.1 + chf_r.1 +
##   chf2cat_r.1 + rf_2_r.1 + rf_3_r.1 + sex_r.1 + prcabg_r.1 +
##   copd_r.1 + anydm_r.1 + dm3cat_r.1 + anyvad_r.1 + vad_r.1 +
##   hyper_r.1 + hyperyn_2_r.1 + prptca6_r.1 + lm3cat_r.1 + aortic_insuff_r.1 +
##   aortic_sten_r.1 + chf_nyha_iv_r.1 + chf_nyha_ltiv_r.1 + smoker_r.1 +
##   cvd.1 + htcn_r.1 + htcn_d_r.1 + mitral_insuff_r.1 + carotid_sten_r.1 +
##   pvd.1 + tricuspid_insuff_r.1 + bmi_r.1 + bmi_squared_r.1 +
##   novsl_r.1 + readmit_1y_yn_state.1 + anyakin.1 + creatcat.1 +
##   anymssd.1 + lowoutput.1 + bmicat.1 + bmi1.1 + bmi2.1 + bmi3.1 +
##   bmi4.1 + lvedpm.1 + anemiapre.1 + iabpintra.1 + lof1.1 +
##   cardblood.1 + cardcold.1 + hotshot.1 + aoxcon.1 + ultrafilyn.1 +
##   cabg.1 + valve.1 + gfr60pre.1 + fluidprel.1 + ptime120.1 +
##   heptotl.1 + heptot5.1 + train

## Warning: glm.fit: algorithm did not converge

## Warning: glm.fit: algorithm did not converge

## Warning: glm.fit: algorithm did not converge

## Warning: glm.fit: algorithm did not converge

## Warning: glm.fit: algorithm did not converge

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[illegible]

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## Warning: glm.fit: algorithm did not converge

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## Warning: glm.fit: algorithm did not converge

## Warning: glm.fit: algorithm did not converge

## Warning: glm.fit: algorithm did not converge

##
##           Df Deviance    AIC
## - iabppre_2.1      1      0.00 150.00
## - priormi_21.1      1      0.00 150.00
## - priormi_22.1      1      0.00 150.00
## - priormi_23.1      1      0.00 150.00
## - priormi_24.1      1      0.00 150.00
## - age_d.1          1      0.00 150.00
## - rf_1.1           1      0.00 150.00
## - priority_21.1     1      0.00 150.00
## - priority_22.1     1      0.00 150.00
## - pci_ta.1          1      0.00 150.00
## - efvalue_r.1       1      0.00 150.00
## - ef50_neg_r.1      1      0.00 150.00
## - ef50_neg_d_r.1    1      0.00 150.00
## - atfibyn_2_r.1     1      0.00 150.00
## - age_r.1           1      0.00 150.00
## - ua_r.1            1      0.00 150.00
## - ua_nmi7_r.1       1      0.00 150.00
## - chf_r.1           1      0.00 150.00
## - chf2cat_r.1       1      0.00 150.00
## - rf_2_r.1          1      0.00 150.00
## - rf_3_r.1          1      0.00 150.00
## - sex_r.1           1      0.00 150.00
## - prcabg_r.1        1      0.00 150.00
## - copd_r.1          1      0.00 150.00
## - anydm_r.1         1      0.00 150.00
## - dm3cat_r.1        1      0.00 150.00
## - anyvad_r.1        1      0.00 150.00

```

```

## - vad_r.1          1      0.00 150.00
## - hyper_r.1        1      0.00 150.00
## - hyperyn_2_r.1    1      0.00 150.00
## - prptca6_r.1      1      0.00 150.00
## - lm3cat_r.1       1      0.00 150.00
## - aortic_insuff_r.1 1      0.00 150.00
## - aortic_sten_r.1  1      0.00 150.00
## - chf_nyha_iv_r.1  1      0.00 150.00
## - chf_nyha_ltiv_r.1 1      0.00 150.00
## - smoker_r.1       1      0.00 150.00
## - cvd.1            1      0.00 150.00
## - htcn_r.1         1      0.00 150.00
## - htcn_d_r.1       1      0.00 150.00
## - mitral_insuff_r.1 1      0.00 150.00
## - carotid_sten_r.1 1      0.00 150.00
## - pvd.1            1      0.00 150.00
## - tricuspid_insuff_r.1 1      0.00 150.00
## - bmi_r.1          1      0.00 150.00
## - bmi_squared_r.1  1      0.00 150.00
## - novsl_r.1        1      0.00 150.00
## - readmit_1y_yn_state.1 1      0.00 150.00
## - anyakin.1        1      0.00 150.00
## - creatcat.1       1      0.00 150.00
## - anymssd.1        1      0.00 150.00
## - lowoutput.1      1      0.00 150.00
## - bmicat.1         1      0.00 150.00
## - bmi1.1           1      0.00 150.00
## - bmi2.1           1      0.00 150.00
## - bmi3.1           1      0.00 150.00
## - bmi4.1           1      0.00 150.00
## - lvedpm.1         1      0.00 150.00
## - anemiapre.1      1      0.00 150.00
## - iabpintra.1      1      0.00 150.00
## - lof1.1           1      0.00 150.00
## - cardblood.1      1      0.00 150.00
## - cardcold.1       1      0.00 150.00
## - hotshot.1        1      0.00 150.00
## - aoxcon.1         1      0.00 150.00
## - ultrafilyn.1     1      0.00 150.00
## - cabg.1           1      0.00 150.00
## - valve.1          1      0.00 150.00
## - gfr60pre.1       1      0.00 150.00
## - fluidprel.1      1      0.00 150.00
## - ptime120.1       1      0.00 150.00
## - heptotl.1        1      0.00 150.00
## - heptot5.1        1      0.00 150.00
## - train            1      0.00 150.00
## <none>              0.00 152.00
## - dead.1           1      799.94 949.94

## Warning: glm.fit: algorithm did not converge

##
## Step: AIC=150
## dead ~ dead.1 + priormi_21.1 + priormi_22.1 + priormi_23.1 +

```

```

##      priormi_24.1 + age_d.1 + rf_1.1 + priority_21.1 + priority_22.1 +
##      pci_ta.1 + efvalue_r.1 + ef50_neg_r.1 + ef50_neg_d_r.1 +
##      atfibyn_2_r.1 + age_r.1 + ua_r.1 + ua_nmi7_r.1 + chf_r.1 +
##      chf2cat_r.1 + rf_2_r.1 + rf_3_r.1 + sex_r.1 + prcabg_r.1 +
##      copd_r.1 + anydm_r.1 + dm3cat_r.1 + anyvad_r.1 + vad_r.1 +
##      hyper_r.1 + hyperyn_2_r.1 + prptca6_r.1 + lm3cat_r.1 + aortic_insuff_r.1 +
##      aortic_sten_r.1 + chf_nyha_iv_r.1 + chf_nyha_ltiv_r.1 + smoker_r.1 +
##      cvd.1 + htcn_r.1 + htcn_d_r.1 + mitral_insuff_r.1 + carotid_sten_r.1 +
##      pvd.1 + tricuspid_insuff_r.1 + bmi_r.1 + bmi_squared_r.1 +
##      novsl_r.1 + readmit_1y_yn_state.1 + anyakin.1 + creatcat.1 +
##      anymssd.1 + lowoutput.1 + bmicat.1 + bmi1.1 + bmi2.1 + bmi3.1 +
##      bmi4.1 + lvedpm.1 + anemiapre.1 + iabpintra.1 + lof1.1 +
##      cardblood.1 + cardcold.1 + hotshot.1 + aoxcon.1 + ultrafilyn.1 +
##      cabg.1 + valve.1 + gfr60pre.1 + fluidprel.1 + ptime120.1 +
##      heptotl.1 + heptot5.1 + train

## Warning: glm.fit: algorithm did not converge

## Warning: glm.fit: algorithm did not converge

## Warning: glm.fit: algorithm did not converge

## Warning: glm.fit: algorithm did not converge

## Warning: glm.fit: algorithm did not converge

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## Warning: glm.fit: algorithm did not converge

## Warning: glm.fit: algorithm did not converge

## Warning: glm.fit: algorithm did not converge

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[illegible]

[illegible]

##	Df	Deviance	AIC
## - priormi_21.1	1	0.00	148.00
## - priormi_22.1	1	0.00	148.00
## - priormi_23.1	1	0.00	148.00
## - priormi_24.1	1	0.00	148.00
## - age_d.1	1	0.00	148.00
## - rf_1.1	1	0.00	148.00
## - priority_21.1	1	0.00	148.00
## - priority_22.1	1	0.00	148.00
## - pci_ta.1	1	0.00	148.00
## - efvalue_r.1	1	0.00	148.00
## - ef50_neg_r.1	1	0.00	148.00
## - ef50_neg_d_r.1	1	0.00	148.00
## - atfibyn_2_r.1	1	0.00	148.00
## - age_r.1	1	0.00	148.00
## - ua_r.1	1	0.00	148.00
## - ua_nmi7_r.1	1	0.00	148.00
## - chf_r.1	1	0.00	148.00
## - chf2cat_r.1	1	0.00	148.00
## - rf_2_r.1	1	0.00	148.00
## - rf_3_r.1	1	0.00	148.00
## - sex_r.1	1	0.00	148.00
## - prcabg_r.1	1	0.00	148.00
## - copd_r.1	1	0.00	148.00
## - anydm_r.1	1	0.00	148.00
## - dm3cat_r.1	1	0.00	148.00
## - anyvad_r.1	1	0.00	148.00
## - vad_r.1	1	0.00	148.00
## - hyper_r.1	1	0.00	148.00
## - hyperyn_2_r.1	1	0.00	148.00
## - prptca6_r.1	1	0.00	148.00
## - lm3cat_r.1	1	0.00	148.00
## - aortic_insuff_r.1	1	0.00	148.00
## - aortic_sten_r.1	1	0.00	148.00
## - chf_nyha_iv_r.1	1	0.00	148.00
## - chf_nyha_ltiv_r.1	1	0.00	148.00
## - smoker_r.1	1	0.00	148.00
## - cvd.1	1	0.00	148.00
## - htcn_r.1	1	0.00	148.00
## - htcn_d_r.1	1	0.00	148.00
## - mitral_insuff_r.1	1	0.00	148.00
## - carotid_sten_r.1	1	0.00	148.00
## - pvd.1	1	0.00	148.00
## - tricuspid_insuff_r.1	1	0.00	148.00
## - bmi_r.1	1	0.00	148.00
## - bmi_squared_r.1	1	0.00	148.00
## - novsl_r.1	1	0.00	148.00
## - readmit_1y_yn_state.1	1	0.00	148.00
## - anyakin.1	1	0.00	148.00
## - creatcat.1	1	0.00	148.00
## - anymssd.1	1	0.00	148.00
## - lowoutput.1	1	0.00	148.00
## - bmicat.1	1	0.00	148.00
## - bmi1.1	1	0.00	148.00

```

## - bmi2.1          1      0.00 148.00
## - bmi3.1          1      0.00 148.00
## - bmi4.1          1      0.00 148.00
## - lvedpm.1        1      0.00 148.00
## - anemiapre.1     1      0.00 148.00
## - iabpintra.1     1      0.00 148.00
## - lof1.1          1      0.00 148.00
## - cardblood.1     1      0.00 148.00
## - cardcold.1      1      0.00 148.00
## - hotshot.1       1      0.00 148.00
## - aoxcon.1        1      0.00 148.00
## - ultrafilyn.1    1      0.00 148.00
## - cabg.1          1      0.00 148.00
## - valve.1         1      0.00 148.00
## - gfr60pre.1      1      0.00 148.00
## - fluidprel.1     1      0.00 148.00
## - ptime120.1      1      0.00 148.00
## - heptotl.1       1      0.00 148.00
## - heptot5.1       1      0.00 148.00
## - train           1      0.00 148.00
## <none>             0.00 150.00
## - dead.1          1 799.95 947.95

## Warning: glm.fit: algorithm did not converge

##
## Step: AIC=148
## dead ~ dead.1 + priormi_22.1 + priormi_23.1 + priormi_24.1 +
##   age_d.1 + rf_1.1 + priority_21.1 + priority_22.1 + pci_ta.1 +
##   efvalue_r.1 + ef50_neg_r.1 + ef50_neg_d_r.1 + atfibyn_2_r.1 +
##   age_r.1 + ua_r.1 + ua_nmi7_r.1 + chf_r.1 + chf2cat_r.1 +
##   rf_2_r.1 + rf_3_r.1 + sex_r.1 + prcabg_r.1 + copd_r.1 + anydm_r.1 +
##   dm3cat_r.1 + anyvad_r.1 + vad_r.1 + hyper_r.1 + hyperyn_2_r.1 +
##   prptca6_r.1 + lm3cat_r.1 + aortic_insuff_r.1 + aortic_sten_r.1 +
##   chf_nyha_iv_r.1 + chf_nyha_ltiv_r.1 + smoker_r.1 + cvd.1 +
##   htc_m_r.1 + htc_m_d_r.1 + mitral_insuff_r.1 + carotid_sten_r.1 +
##   pvd.1 + tricuspid_insuff_r.1 + bmi_r.1 + bmi_squared_r.1 +
##   novsl_r.1 + readmit_1y_yn_state.1 + anyakin.1 + creatcat.1 +
##   anymssd.1 + lowoutput.1 + bmicat.1 + bmi1.1 + bmi2.1 + bmi3.1 +
##   bmi4.1 + lvedpm.1 + anemiapre.1 + iabpintra.1 + lof1.1 +
##   cardblood.1 + cardcold.1 + hotshot.1 + aoxcon.1 + ultrafilyn.1 +
##   cabg.1 + valve.1 + gfr60pre.1 + fluidprel.1 + ptime120.1 +
##   heptotl.1 + heptot5.1 + train

## Warning: glm.fit: algorithm did not converge

## Warning: glm.fit: algorithm did not converge

## Warning: glm.fit: algorithm did not converge

## Warning: glm.fit: algorithm did not converge

## Warning: glm.fit: algorithm did not converge

## Warning: glm.fit: algorithm did not converge

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[illegible]

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## Warning: glm.fit: algorithm did not converge

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## Warning: glm.fit: algorithm did not converge

## Warning: glm.fit: algorithm did not converge

## Warning: glm.fit: algorithm did not converge

## Warning: glm.fit: algorithm did not converge

##
##           Df Deviance    AIC
## - priormi_22.1      1      0.00 146.00
## - priormi_23.1      1      0.00 146.00
## - priormi_24.1      1      0.00 146.00
## - age_d.1          1      0.00 146.00
## - rf_1.1           1      0.00 146.00
## - priority_21.1     1      0.00 146.00
## - priority_22.1     1      0.00 146.00
## - pci_ta.1          1      0.00 146.00
## - efvalue_r.1       1      0.00 146.00
## - ef50_neg_r.1      1      0.00 146.00
## - ef50_neg_d_r.1    1      0.00 146.00
## - atfibyn_2_r.1     1      0.00 146.00
## - age_r.1           1      0.00 146.00
## - ua_r.1            1      0.00 146.00
## - ua_nmi7_r.1       1      0.00 146.00
## - chf_r.1           1      0.00 146.00
## - chf2cat_r.1       1      0.00 146.00
## - rf_2_r.1          1      0.00 146.00
## - rf_3_r.1          1      0.00 146.00
## - sex_r.1           1      0.00 146.00
## - prcabg_r.1        1      0.00 146.00
## - copd_r.1          1      0.00 146.00
## - anydm_r.1         1      0.00 146.00
## - dm3cat_r.1        1      0.00 146.00
## - anyvad_r.1        1      0.00 146.00
## - vad_r.1           1      0.00 146.00
## - hyper_r.1         1      0.00 146.00
## - hyperyn_2_r.1     1      0.00 146.00

```

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## - prptca6_r.1      1      0.00 146.00
## - lm3cat_r.1       1      0.00 146.00
## - aortic_insuff_r.1 1      0.00 146.00
## - aortic_sten_r.1  1      0.00 146.00
## - chf_nyha_iv_r.1  1      0.00 146.00
## - chf_nyha_ltiv_r.1 1      0.00 146.00
## - smoker_r.1       1      0.00 146.00
## - cvd.1            1      0.00 146.00
## - htcn_r.1         1      0.00 146.00
## - htcn_d_r.1       1      0.00 146.00
## - mitral_insuff_r.1 1      0.00 146.00
## - carotid_sten_r.1 1      0.00 146.00
## - pvd.1           1      0.00 146.00
## - tricuspid_insuff_r.1 1      0.00 146.00
## - bmi_r.1          1      0.00 146.00
## - bmi_squared_r.1  1      0.00 146.00
## - novsl_r.1        1      0.00 146.00
## - readmit_1y_yn_state.1 1      0.00 146.00
## - anyakin.1        1      0.00 146.00
## - creatcat.1       1      0.00 146.00
## - anymssd.1        1      0.00 146.00
## - lowoutput.1      1      0.00 146.00
## - bmicat.1         1      0.00 146.00
## - bmi1.1           1      0.00 146.00
## - bmi2.1           1      0.00 146.00
## - bmi3.1           1      0.00 146.00
## - bmi4.1           1      0.00 146.00
## - lvedpm.1         1      0.00 146.00
## - anemiapre.1      1      0.00 146.00
## - iabpintra.1      1      0.00 146.00
## - lof1.1           1      0.00 146.00
## - cardblood.1      1      0.00 146.00
## - cardcold.1       1      0.00 146.00
## - hotshot.1        1      0.00 146.00
## - aoxcon.1         1      0.00 146.00
## - ultrafilyn.1     1      0.00 146.00
## - cabg.1           1      0.00 146.00
## - valve.1          1      0.00 146.00
## - gfr60pre.1       1      0.00 146.00
## - fluidprel.1      1      0.00 146.00
## - ptime120.1       1      0.00 146.00
## - heptotl.1        1      0.00 146.00
## - heptot5.1        1      0.00 146.00
## - train            1      0.00 146.00
## <none>              0.00 148.00
## - dead.1           1      799.95 945.95

```

Warning: glm.fit: algorithm did not converge

##

Step: AIC=146

```

## dead ~ dead.1 + priormi_23.1 + priormi_24.1 + age_d.1 + rf_1.1 +
##   priority_21.1 + priority_22.1 + pci_ta.1 + efvalue_r.1 +
##   ef50_neg_r.1 + ef50_neg_d_r.1 + atfibyn_2_r.1 + age_r.1 +
##   ua_r.1 + ua_nmi7_r.1 + chf_r.1 + chf2cat_r.1 + rf_2_r.1 +

```

```
## rf_3_r.1 + sex_r.1 + prcabg_r.1 + copd_r.1 + anydm_r.1 +
## dm3cat_r.1 + anyvad_r.1 + vad_r.1 + hyper_r.1 + hyperyn_2_r.1 +
## prptca6_r.1 + lm3cat_r.1 + aortic_insuff_r.1 + aortic_sten_r.1 +
## chf_nyha_iv_r.1 + chf_nyha_ltiv_r.1 + smoker_r.1 + cvd.1 +
## htc_m_r.1 + htc_m_d_r.1 + mitral_insuff_r.1 + carotid_sten_r.1 +
## pvd.1 + tricuspid_insuff_r.1 + bmi_r.1 + bmi_squared_r.1 +
## novsl_r.1 + readmit_1y_yn_state.1 + anyakin.1 + creatcat.1 +
## anymssd.1 + lowoutput.1 + bmicat.1 + bmi1.1 + bmi2.1 + bmi3.1 +
## bmi4.1 + lvedpm.1 + anemiapre.1 + iabpintra.1 + lof1.1 +
## cardblood.1 + cardcold.1 + hotshot.1 + aoxcon.1 + ultrafilyn.1 +
## cabg.1 + valve.1 + gfr60pre.1 + fluidprel.1 + ptime120.1 +
## heptotl.1 + heptot5.1 + train
```

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## Warning: glm.fit: algorithm did not converge
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## Warning: glm.fit: algorithm did not converge
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## Warning: glm.fit: algorithm did not converge
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## Warning: glm.fit: algorithm did not converge
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## Warning: glm.fit: algorithm did not converge
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## Warning: glm.fit: algorithm did not converge  
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## Warning: glm.fit: algorithm did not converge  
## Warning: glm.fit: algorithm did not converge  
## Warning: glm.fit: algorithm did not converge  
## Warning: glm.fit: algorithm did not converge  
## Warning: glm.fit: algorithm did not converge  
  
##                                Df Deviance      AIC  
## - priormi_23.1                1       0.00 144.00  
## - priormi_24.1                1       0.00 144.00  
## - age_d.1                     1       0.00 144.00  
## - rf_1.1                      1       0.00 144.00  
## - priority_21.1               1       0.00 144.00  
## - priority_22.1              1       0.00 144.00
```

## - pci_ta.1	1	0.00	144.00
## - efvalue_r.1	1	0.00	144.00
## - ef50_neg_r.1	1	0.00	144.00
## - ef50_neg_d_r.1	1	0.00	144.00
## - atfibyn_2_r.1	1	0.00	144.00
## - age_r.1	1	0.00	144.00
## - ua_r.1	1	0.00	144.00
## - ua_nmi7_r.1	1	0.00	144.00
## - chf_r.1	1	0.00	144.00
## - chf2cat_r.1	1	0.00	144.00
## - rf_2_r.1	1	0.00	144.00
## - rf_3_r.1	1	0.00	144.00
## - sex_r.1	1	0.00	144.00
## - prcabg_r.1	1	0.00	144.00
## - copd_r.1	1	0.00	144.00
## - anydm_r.1	1	0.00	144.00
## - dm3cat_r.1	1	0.00	144.00
## - anyvad_r.1	1	0.00	144.00
## - vad_r.1	1	0.00	144.00
## - hyper_r.1	1	0.00	144.00
## - hyperyn_2_r.1	1	0.00	144.00
## - prptca6_r.1	1	0.00	144.00
## - lm3cat_r.1	1	0.00	144.00
## - aortic_insuff_r.1	1	0.00	144.00
## - aortic_sten_r.1	1	0.00	144.00
## - chf_nyha_iv_r.1	1	0.00	144.00
## - chf_nyha_ltiv_r.1	1	0.00	144.00
## - smoker_r.1	1	0.00	144.00
## - cvd.1	1	0.00	144.00
## - htcn_r.1	1	0.00	144.00
## - htcn_d_r.1	1	0.00	144.00
## - mitral_insuff_r.1	1	0.00	144.00
## - carotid_sten_r.1	1	0.00	144.00
## - pvd.1	1	0.00	144.00
## - tricuspid_insuff_r.1	1	0.00	144.00
## - bmi_r.1	1	0.00	144.00
## - bmi_squared_r.1	1	0.00	144.00
## - novsl_r.1	1	0.00	144.00
## - readmit_1y_yn_state.1	1	0.00	144.00
## - anyakin.1	1	0.00	144.00
## - creatcat.1	1	0.00	144.00
## - anymssd.1	1	0.00	144.00
## - lowoutput.1	1	0.00	144.00
## - bmicat.1	1	0.00	144.00
## - bmi1.1	1	0.00	144.00
## - bmi2.1	1	0.00	144.00
## - bmi3.1	1	0.00	144.00
## - bmi4.1	1	0.00	144.00
## - lvedpm.1	1	0.00	144.00
## - anemiapre.1	1	0.00	144.00
## - iabpintra.1	1	0.00	144.00
## - lof1.1	1	0.00	144.00
## - cardblood.1	1	0.00	144.00
## - cardcold.1	1	0.00	144.00

```

## - hotshot.1          1      0.00 144.00
## - aoxcon.1           1      0.00 144.00
## - ultrafilyn.1       1      0.00 144.00
## - cabg.1             1      0.00 144.00
## - valve.1            1      0.00 144.00
## - gfr60pre.1         1      0.00 144.00
## - fluidprel.1        1      0.00 144.00
## - ptime120.1         1      0.00 144.00
## - heptotl.1          1      0.00 144.00
## - heptot5.1          1      0.00 144.00
## - train              1      0.00 144.00
## <none>                0.00 146.00
## - dead.1             1    800.33 944.33

## Warning: glm.fit: algorithm did not converge

##
## Step:  AIC=144
## dead ~ dead.1 + priormi_24.1 + age_d.1 + rf_1.1 + priority_21.1 +
##   priority_22.1 + pci_ta.1 + efvalue_r.1 + ef50_neg_r.1 + ef50_neg_d_r.1 +
##   atfibyn_2_r.1 + age_r.1 + ua_r.1 + ua_nmi7_r.1 + chf_r.1 +
##   chf2cat_r.1 + rf_2_r.1 + rf_3_r.1 + sex_r.1 + prcabg_r.1 +
##   copd_r.1 + anydm_r.1 + dm3cat_r.1 + anyvad_r.1 + vad_r.1 +
##   hyper_r.1 + hyperyn_2_r.1 + prptca6_r.1 + lm3cat_r.1 + aortic_insuff_r.1 +
##   aortic_sten_r.1 + chf_nyha_iv_r.1 + chf_nyha_ltiv_r.1 + smoker_r.1 +
##   cvd.1 + htcn_r.1 + htcn_d_r.1 + mitral_insuff_r.1 + carotid_sten_r.1 +
##   pvd.1 + tricuspid_insuff_r.1 + bmi_r.1 + bmi_squared_r.1 +
##   novsl_r.1 + readmit_1y_yn_state.1 + anyakin.1 + creatcat.1 +
##   anymssd.1 + lowoutput.1 + bmicat.1 + bmi1.1 + bmi2.1 + bmi3.1 +
##   bmi4.1 + lvedpm.1 + anemiapre.1 + iabpintra.1 + lof1.1 +
##   cardblood.1 + cardcold.1 + hotshot.1 + aoxcon.1 + ultrafilyn.1 +
##   cabg.1 + valve.1 + gfr60pre.1 + fluidprel.1 + ptime120.1 +
##   heptotl.1 + heptot5.1 + train

## Warning: glm.fit: algorithm did not converge

## Warning: glm.fit: algorithm did not converge

## Warning: glm.fit: algorithm did not converge

## Warning: glm.fit: algorithm did not converge

## Warning: glm.fit: algorithm did not converge

## Warning: glm.fit: algorithm did not converge

## Warning: glm.fit: algorithm did not converge

## Warning: glm.fit: algorithm did not converge

## Warning: glm.fit: algorithm did not converge

## Warning: glm.fit: algorithm did not converge

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```
## Warning: glm.fit: algorithm did not converge

## Warning: glm.fit: algorithm did not converge

## Warning: glm.fit: algorithm did not converge

## Warning: glm.fit: algorithm did not converge

## Warning: glm.fit: algorithm did not converge
```

##	Df	Deviance	AIC
## - priormi_24.1	1	0.00	142.00
## - age_d.1	1	0.00	142.00
## - rf_1.1	1	0.00	142.00
## - priority_21.1	1	0.00	142.00
## - priority_22.1	1	0.00	142.00
## - pci_ta.1	1	0.00	142.00
## - efvalue_r.1	1	0.00	142.00
## - ef50_neg_r.1	1	0.00	142.00
## - ef50_neg_d_r.1	1	0.00	142.00
## - atfibyn_2_r.1	1	0.00	142.00
## - age_r.1	1	0.00	142.00
## - ua_r.1	1	0.00	142.00
## - ua_nmi7_r.1	1	0.00	142.00
## - chf_r.1	1	0.00	142.00
## - chf2cat_r.1	1	0.00	142.00
## - rf_2_r.1	1	0.00	142.00
## - rf_3_r.1	1	0.00	142.00
## - sex_r.1	1	0.00	142.00
## - prcabg_r.1	1	0.00	142.00
## - copd_r.1	1	0.00	142.00
## - anydm_r.1	1	0.00	142.00
## - dm3cat_r.1	1	0.00	142.00
## - anyvad_r.1	1	0.00	142.00
## - vad_r.1	1	0.00	142.00
## - hyper_r.1	1	0.00	142.00
## - hyperyn_2_r.1	1	0.00	142.00
## - prptca6_r.1	1	0.00	142.00
## - lm3cat_r.1	1	0.00	142.00
## - aortic_insuff_r.1	1	0.00	142.00
## - aortic_sten_r.1	1	0.00	142.00
## - chf_nyha_iv_r.1	1	0.00	142.00
## - chf_nyha_ltiv_r.1	1	0.00	142.00
## - smoker_r.1	1	0.00	142.00
## - cvd.1	1	0.00	142.00
## - htcn_r.1	1	0.00	142.00
## - htcn_d_r.1	1	0.00	142.00
## - mitral_insuff_r.1	1	0.00	142.00
## - carotid_sten_r.1	1	0.00	142.00
## - pvd.1	1	0.00	142.00
## - tricuspid_insuff_r.1	1	0.00	142.00
## - bmi_r.1	1	0.00	142.00
## - bmi_squared_r.1	1	0.00	142.00

```

## - novsl_r.1          1      0.00 142.00
## - readmit_1y_yn_state.1 1      0.00 142.00
## - anyakin.1          1      0.00 142.00
## - creatcat.1         1      0.00 142.00
## - anymssd.1          1      0.00 142.00
## - lowoutput.1        1      0.00 142.00
## - bmicat.1           1      0.00 142.00
## - bmi1.1             1      0.00 142.00
## - bmi2.1             1      0.00 142.00
## - bmi3.1             1      0.00 142.00
## - bmi4.1             1      0.00 142.00
## - lvedpm.1           1      0.00 142.00
## - anemiapre.1        1      0.00 142.00
## - iabpintra.1        1      0.00 142.00
## - lof1.1             1      0.00 142.00
## - cardblood.1        1      0.00 142.00
## - cardcold.1         1      0.00 142.00
## - hotshot.1          1      0.00 142.00
## - aoxcon.1           1      0.00 142.00
## - ultrafilyn.1       1      0.00 142.00
## - cabg.1             1      0.00 142.00
## - valve.1            1      0.00 142.00
## - gfr60pre.1         1      0.00 142.00
## - fluidprel.1        1      0.00 142.00
## - ptime120.1         1      0.00 142.00
## - heptotl.1          1      0.00 142.00
## - heptot5.1          1      0.00 142.00
## - train              1      0.00 142.00
## <none>                0.00 144.00
## - dead.1             1      800.54 942.54

## Warning: glm.fit: algorithm did not converge

##
## Step: AIC=142
## dead ~ dead.1 + age_d.1 + rf_1.1 + priority_21.1 + priority_22.1 +
##   pci_ta.1 + efvalue_r.1 + ef50_neg_r.1 + ef50_neg_d_r.1 +
##   atfibyn_2_r.1 + age_r.1 + ua_r.1 + ua_nmi7_r.1 + chf_r.1 +
##   chf2cat_r.1 + rf_2_r.1 + rf_3_r.1 + sex_r.1 + prcabg_r.1 +
##   copd_r.1 + anydm_r.1 + dm3cat_r.1 + anyvad_r.1 + vad_r.1 +
##   hyper_r.1 + hyperyn_2_r.1 + prptca6_r.1 + lm3cat_r.1 + aortic_insuff_r.1 +
##   aortic_sten_r.1 + chf_nyha_iv_r.1 + chf_nyha_ltiv_r.1 + smoker_r.1 +
##   cvd.1 + htc_m_r.1 + htc_m_d_r.1 + mitral_insuff_r.1 + carotid_sten_r.1 +
##   pvd.1 + tricuspid_insuff_r.1 + bmi_r.1 + bmi_squared_r.1 +
##   novsl_r.1 + readmit_1y_yn_state.1 + anyakin.1 + creatcat.1 +
##   anymssd.1 + lowoutput.1 + bmicat.1 + bmi1.1 + bmi2.1 + bmi3.1 +
##   bmi4.1 + lvedpm.1 + anemiapre.1 + iabpintra.1 + lof1.1 +
##   cardblood.1 + cardcold.1 + hotshot.1 + aoxcon.1 + ultrafilyn.1 +
##   cabg.1 + valve.1 + gfr60pre.1 + fluidprel.1 + ptime120.1 +
##   heptotl.1 + heptot5.1 + train

## Warning: glm.fit: algorithm did not converge

## Warning: glm.fit: algorithm did not converge

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## Warning: glm.fit: algorithm did not converge

## Warning: glm.fit: algorithm did not converge

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## Warning: glm.fit: algorithm did not converge

## Warning: glm.fit: algorithm did not converge

## Warning: glm.fit: algorithm did not converge

## Warning: glm.fit: algorithm did not converge

##
##           Df Deviance    AIC
## - age_d.1      1      0.00 140.00
## - rf_1.1        1      0.00 140.00
## - priority_21.1 1      0.00 140.00
## - priority_22.1 1      0.00 140.00
## - pci_ta.1      1      0.00 140.00
## - efvalue_r.1   1      0.00 140.00
## - ef50_neg_r.1  1      0.00 140.00
## - ef50_neg_d_r.1 1      0.00 140.00
## - atfibyn_2_r.1 1      0.00 140.00
## - age_r.1       1      0.00 140.00
## - ua_r.1        1      0.00 140.00
## - ua_nmi7_r.1   1      0.00 140.00
## - chf_r.1       1      0.00 140.00
## - chf2cat_r.1   1      0.00 140.00
## - rf_2_r.1      1      0.00 140.00
## - rf_3_r.1      1      0.00 140.00
## - sex_r.1       1      0.00 140.00
## - prcabg_r.1    1      0.00 140.00
## - copd_r.1      1      0.00 140.00
## - anydm_r.1     1      0.00 140.00
## - dm3cat_r.1    1      0.00 140.00
## - anyvad_r.1    1      0.00 140.00
## - vad_r.1       1      0.00 140.00
## - hyper_r.1     1      0.00 140.00
## - hyperyn_2_r.1 1      0.00 140.00
## - prptca6_r.1   1      0.00 140.00
## - lm3cat_r.1    1      0.00 140.00

```

```

## - aortic_insuff_r.1      1      0.00 140.00
## - aortic_sten_r.1       1      0.00 140.00
## - chf_nyha_iv_r.1       1      0.00 140.00
## - chf_nyha_ltiv_r.1     1      0.00 140.00
## - smoker_r.1            1      0.00 140.00
## - cvd.1                 1      0.00 140.00
## - htc_m_r.1             1      0.00 140.00
## - htc_m_d_r.1           1      0.00 140.00
## - mitral_insuff_r.1     1      0.00 140.00
## - carotid_sten_r.1      1      0.00 140.00
## - pvd.1                 1      0.00 140.00
## - tricuspid_insuff_r.1  1      0.00 140.00
## - bmi_r.1               1      0.00 140.00
## - bmi_squared_r.1       1      0.00 140.00
## - novsl_r.1             1      0.00 140.00
## - readmit_1y_yn_state.1 1      0.00 140.00
## - anyakin.1             1      0.00 140.00
## - creatcat.1            1      0.00 140.00
## - anymssd.1             1      0.00 140.00
## - lowoutput.1          1      0.00 140.00
## - bmicat.1              1      0.00 140.00
## - bmi1.1                1      0.00 140.00
## - bmi2.1                1      0.00 140.00
## - bmi3.1                1      0.00 140.00
## - bmi4.1                1      0.00 140.00
## - lvedpm.1              1      0.00 140.00
## - anemiapre.1           1      0.00 140.00
## - iabpintra.1           1      0.00 140.00
## - lof1.1                1      0.00 140.00
## - cardblood.1           1      0.00 140.00
## - cardcold.1            1      0.00 140.00
## - hotshot.1             1      0.00 140.00
## - aoxcon.1              1      0.00 140.00
## - ultrafilyn.1          1      0.00 140.00
## - cabg.1                1      0.00 140.00
## - valve.1               1      0.00 140.00
## - gfr60pre.1            1      0.00 140.00
## - fluidprel.1           1      0.00 140.00
## - ptime120.1            1      0.00 140.00
## - heptotl.1             1      0.00 140.00
## - heptot5.1             1      0.00 140.00
## - train                 1      0.00 140.00
## <none>                   0.00 142.00
## - dead.1                1      800.55 940.55

## Warning: glm.fit: algorithm did not converge

##
## Step: AIC=140
## dead ~ dead.1 + rf_1.1 + priority_21.1 + priority_22.1 + pci_ta.1 +
##         efvalue_r.1 + ef50_neg_r.1 + ef50_neg_d_r.1 + atfibyn_2_r.1 +
##         age_r.1 + ua_r.1 + ua_nmi7_r.1 + chf_r.1 + chf2cat_r.1 +
##         rf_2_r.1 + rf_3_r.1 + sex_r.1 + prcabg_r.1 + copd_r.1 + anydm_r.1 +
##         dm3cat_r.1 + anyvad_r.1 + vad_r.1 + hyper_r.1 + hyperyn_2_r.1 +
##         prptca6_r.1 + lm3cat_r.1 + aortic_insuff_r.1 + aortic_sten_r.1 +

```

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```
## Warning: glm.fit: algorithm did not converge  
## Warning: glm.fit: algorithm did not converge  
## Warning: glm.fit: algorithm did not converge  
## Warning: glm.fit: algorithm did not converge  
## Warning: glm.fit: algorithm did not converge  
## Warning: glm.fit: algorithm did not converge  
## Warning: glm.fit: algorithm did not converge  
## Warning: glm.fit: algorithm did not converge  
## Warning: glm.fit: algorithm did not converge  
## Warning: glm.fit: algorithm did not converge  
## Warning: glm.fit: algorithm did not converge  
## Warning: glm.fit: algorithm did not converge  
## Warning: glm.fit: algorithm did not converge  
## Warning: glm.fit: algorithm did not converge  
## Warning: glm.fit: algorithm did not converge  
## Warning: glm.fit: algorithm did not converge  
## Warning: glm.fit: algorithm did not converge  
  
##              Df Deviance      AIC  
## - rf_1.1          1       0.00 138.00  
## - priority_21.1    1       0.00 138.00  
## - priority_22.1    1       0.00 138.00  
## - pci_ta.1         1       0.00 138.00  
## - efvalue_r.1      1       0.00 138.00  
## - ef50_neg_r.1     1       0.00 138.00  
## - ef50_neg_d_r.1   1       0.00 138.00  
## - atfibyn_2_r.1    1       0.00 138.00  
## - age_r.1          1       0.00 138.00  
## - ua_r.1           1       0.00 138.00  
## - ua_nmi7_r.1      1       0.00 138.00  
## - chf_r.1          1       0.00 138.00  
## - chf2cat_r.1      1       0.00 138.00  
## - rf_2_r.1         1       0.00 138.00  
## - rf_3_r.1         1       0.00 138.00
```

## - sex_r.1	1	0.00	138.00
## - prcabg_r.1	1	0.00	138.00
## - copd_r.1	1	0.00	138.00
## - anydm_r.1	1	0.00	138.00
## - dm3cat_r.1	1	0.00	138.00
## - anyvad_r.1	1	0.00	138.00
## - vad_r.1	1	0.00	138.00
## - hyper_r.1	1	0.00	138.00
## - hyperyn_2_r.1	1	0.00	138.00
## - prptca6_r.1	1	0.00	138.00
## - lm3cat_r.1	1	0.00	138.00
## - aortic_insuff_r.1	1	0.00	138.00
## - aortic_sten_r.1	1	0.00	138.00
## - chf_nyha_iv_r.1	1	0.00	138.00
## - chf_nyha_ltiv_r.1	1	0.00	138.00
## - smoker_r.1	1	0.00	138.00
## - cvd.1	1	0.00	138.00
## - htc_m_r.1	1	0.00	138.00
## - htc_m_d_r.1	1	0.00	138.00
## - mitral_insuff_r.1	1	0.00	138.00
## - carotid_sten_r.1	1	0.00	138.00
## - pvd.1	1	0.00	138.00
## - tricuspid_insuff_r.1	1	0.00	138.00
## - bmi_r.1	1	0.00	138.00
## - bmi_squared_r.1	1	0.00	138.00
## - novsl_r.1	1	0.00	138.00
## - readmit_1y_yn_state.1	1	0.00	138.00
## - anyakin.1	1	0.00	138.00
## - creatcat.1	1	0.00	138.00
## - anymssd.1	1	0.00	138.00
## - lowoutput.1	1	0.00	138.00
## - bmicat.1	1	0.00	138.00
## - bmi1.1	1	0.00	138.00
## - bmi2.1	1	0.00	138.00
## - bmi3.1	1	0.00	138.00
## - bmi4.1	1	0.00	138.00
## - lvedpm.1	1	0.00	138.00
## - anemiapre.1	1	0.00	138.00
## - iabpintra.1	1	0.00	138.00
## - lof1.1	1	0.00	138.00
## - cardblood.1	1	0.00	138.00
## - cardcold.1	1	0.00	138.00
## - hotshot.1	1	0.00	138.00
## - aoxcon.1	1	0.00	138.00
## - ultrafilyn.1	1	0.00	138.00
## - cabg.1	1	0.00	138.00
## - valve.1	1	0.00	138.00
## - gfr60pre.1	1	0.00	138.00
## - fluidprel.1	1	0.00	138.00
## - ptime120.1	1	0.00	138.00
## - heptotl.1	1	0.00	138.00
## - heptot5.1	1	0.00	138.00
## - train	1	0.00	138.00
## <none>		0.00	140.00

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[illegible]

[illegible]

## - atfibyn_2_r.1	1	0.0 136.0
## - age_r.1	1	0.0 136.0
## - ua_r.1	1	0.0 136.0
## - ua_nmi7_r.1	1	0.0 136.0
## - chf_r.1	1	0.0 136.0
## - chf2cat_r.1	1	0.0 136.0
## - rf_2_r.1	1	0.0 136.0
## - rf_3_r.1	1	0.0 136.0
## - sex_r.1	1	0.0 136.0
## - prcabg_r.1	1	0.0 136.0
## - copd_r.1	1	0.0 136.0
## - anydm_r.1	1	0.0 136.0
## - dm3cat_r.1	1	0.0 136.0
## - anyvad_r.1	1	0.0 136.0
## - vad_r.1	1	0.0 136.0
## - hyper_r.1	1	0.0 136.0
## - hyperyn_2_r.1	1	0.0 136.0
## - prptca6_r.1	1	0.0 136.0
## - lm3cat_r.1	1	0.0 136.0
## - aortic_insuff_r.1	1	0.0 136.0
## - aortic_sten_r.1	1	0.0 136.0
## - chf_nyha_iv_r.1	1	0.0 136.0
## - chf_nyha_ltiv_r.1	1	0.0 136.0
## - smoker_r.1	1	0.0 136.0
## - cvd.1	1	0.0 136.0
## - htcn_r.1	1	0.0 136.0
## - htcn_d_r.1	1	0.0 136.0
## - mitral_insuff_r.1	1	0.0 136.0
## - carotid_sten_r.1	1	0.0 136.0
## - pvd.1	1	0.0 136.0
## - tricuspid_insuff_r.1	1	0.0 136.0
## - bmi_r.1	1	0.0 136.0
## - bmi_squared_r.1	1	0.0 136.0
## - novsl_r.1	1	0.0 136.0
## - readmit_1y_yn_state.1	1	0.0 136.0
## - anyakin.1	1	0.0 136.0
## - creatcat.1	1	0.0 136.0
## - anymssd.1	1	0.0 136.0
## - lowoutput.1	1	0.0 136.0
## - bmicat.1	1	0.0 136.0
## - bmi1.1	1	0.0 136.0
## - bmi2.1	1	0.0 136.0
## - bmi3.1	1	0.0 136.0
## - bmi4.1	1	0.0 136.0
## - lvedpm.1	1	0.0 136.0
## - anemiapre.1	1	0.0 136.0
## - iabpintra.1	1	0.0 136.0
## - lof1.1	1	0.0 136.0
## - cardblood.1	1	0.0 136.0
## - cardcold.1	1	0.0 136.0
## - hotshot.1	1	0.0 136.0
## - aoxcon.1	1	0.0 136.0
## - ultrafilyn.1	1	0.0 136.0
## - cabg.1	1	0.0 136.0

```

## - valve.1                1      0.0 136.0
## - gfr60pre.1             1      0.0 136.0
## - fluidprel.1            1      0.0 136.0
## - ptime120.1             1      0.0 136.0
## - heptotl.1              1      0.0 136.0
## - heptot5.1              1      0.0 136.0
## - train                  1      0.0 136.0
## <none>                   0.0 138.0
## - dead.1                 1    808.1 944.1

## Warning: glm.fit: algorithm did not converge

##
## Step:  AIC=136
## dead ~ dead.1 + priority_22.1 + pci_ta.1 + efvalue_r.1 + ef50_neg_r.1 +
##      ef50_neg_d_r.1 + atfibyn_2_r.1 + age_r.1 + ua_r.1 + ua_nmi7_r.1 +
##      chf_r.1 + chf2cat_r.1 + rf_2_r.1 + rf_3_r.1 + sex_r.1 + prcabg_r.1 +
##      copd_r.1 + anydm_r.1 + dm3cat_r.1 + anyvad_r.1 + vad_r.1 +
##      hyper_r.1 + hyperyn_2_r.1 + prptca6_r.1 + lm3cat_r.1 + aortic_insuff_r.1 +
##      aortic_sten_r.1 + chf_nyha_iv_r.1 + chf_nyha_ltiv_r.1 + smoker_r.1 +
##      cvd.1 + htcn_r.1 + htcn_d_r.1 + mitral_insuff_r.1 + carotid_sten_r.1 +
##      pvd.1 + tricuspid_insuff_r.1 + bmi_r.1 + bmi_squared_r.1 +
##      novsl_r.1 + readmit_1y_yn_state.1 + anyakin.1 + creatcat.1 +
##      anymssd.1 + lowoutput.1 + bmicat.1 + bmi1.1 + bmi2.1 + bmi3.1 +
##      bmi4.1 + lvedpm.1 + anemiapre.1 + iabpintra.1 + lof1.1 +
##      cardblood.1 + cardcold.1 + hotshot.1 + aoxcon.1 + ultrafilyn.1 +
##      cabg.1 + valve.1 + gfr60pre.1 + fluidprel.1 + ptime120.1 +
##      heptotl.1 + heptot5.1 + train

## Warning: glm.fit: algorithm did not converge

## Warning: glm.fit: algorithm did not converge

## Warning: glm.fit: algorithm did not converge

## Warning: glm.fit: algorithm did not converge

## Warning: glm.fit: algorithm did not converge

## Warning: glm.fit: algorithm did not converge

## Warning: glm.fit: algorithm did not converge

## Warning: glm.fit: algorithm did not converge

## Warning: glm.fit: algorithm did not converge

## Warning: glm.fit: algorithm did not converge

## Warning: glm.fit: algorithm did not converge

```

[illegible]

[illegible]

## - pci_ta.1	1	0.0 134.0
## - efvalue_r.1	1	0.0 134.0
## - ef50_neg_r.1	1	0.0 134.0
## - ef50_neg_d_r.1	1	0.0 134.0
## - atfibyn_2_r.1	1	0.0 134.0
## - age_r.1	1	0.0 134.0
## - ua_r.1	1	0.0 134.0
## - ua_nmi7_r.1	1	0.0 134.0
## - chf_r.1	1	0.0 134.0
## - chf2cat_r.1	1	0.0 134.0
## - rf_2_r.1	1	0.0 134.0
## - rf_3_r.1	1	0.0 134.0
## - sex_r.1	1	0.0 134.0
## - prcabg_r.1	1	0.0 134.0
## - copd_r.1	1	0.0 134.0
## - anydm_r.1	1	0.0 134.0
## - dm3cat_r.1	1	0.0 134.0
## - anyvad_r.1	1	0.0 134.0
## - vad_r.1	1	0.0 134.0
## - hyper_r.1	1	0.0 134.0
## - hyperyn_2_r.1	1	0.0 134.0
## - prptca6_r.1	1	0.0 134.0
## - lm3cat_r.1	1	0.0 134.0
## - aortic_insuff_r.1	1	0.0 134.0
## - aortic_sten_r.1	1	0.0 134.0
## - chf_nyha_iv_r.1	1	0.0 134.0
## - chf_nyha_ltiv_r.1	1	0.0 134.0
## - smoker_r.1	1	0.0 134.0
## - cvd.1	1	0.0 134.0
## - htcn_r.1	1	0.0 134.0
## - htcn_d_r.1	1	0.0 134.0
## - mitral_insuff_r.1	1	0.0 134.0
## - carotid_sten_r.1	1	0.0 134.0
## - pvd.1	1	0.0 134.0
## - tricuspid_insuff_r.1	1	0.0 134.0
## - bmi_r.1	1	0.0 134.0
## - bmi_squared_r.1	1	0.0 134.0
## - novsl_r.1	1	0.0 134.0
## - readmit_1y_yn_state.1	1	0.0 134.0
## - anyakin.1	1	0.0 134.0
## - creatcat.1	1	0.0 134.0
## - anymssd.1	1	0.0 134.0
## - lowoutput.1	1	0.0 134.0
## - bmicat.1	1	0.0 134.0
## - bmi1.1	1	0.0 134.0
## - bmi2.1	1	0.0 134.0
## - bmi3.1	1	0.0 134.0
## - bmi4.1	1	0.0 134.0
## - lvedpm.1	1	0.0 134.0
## - anemiapre.1	1	0.0 134.0
## - iabpintra.1	1	0.0 134.0
## - lof1.1	1	0.0 134.0
## - cardblood.1	1	0.0 134.0
## - cardcold.1	1	0.0 134.0


```

## - hotshot.1          1      0.0 134.0
## - aoxcon.1           1      0.0 134.0
## - ultrafilyn.1       1      0.0 134.0
## - cabg.1             1      0.0 134.0
## - valve.1           1      0.0 134.0
## - gfr60pre.1         1      0.0 134.0
## - fluidprel.1        1      0.0 134.0
## - ptime120.1         1      0.0 134.0
## - heptotl.1          1      0.0 134.0
## - heptot5.1          1      0.0 134.0
## - train              1      0.0 134.0
## <none>                0.0 136.0
## - dead.1             1    808.1 942.1

## Warning: glm.fit: algorithm did not converge

##
## Step:  AIC=134
## dead ~ dead.1 + pci_ta.1 + efvalue_r.1 + ef50_neg_r.1 + ef50_neg_d_r.1 +
##   atfibyn_2_r.1 + age_r.1 + ua_r.1 + ua_nmi7_r.1 + chf_r.1 +
##   chf2cat_r.1 + rf_2_r.1 + rf_3_r.1 + sex_r.1 + prcabg_r.1 +
##   copd_r.1 + anydm_r.1 + dm3cat_r.1 + anyvad_r.1 + vad_r.1 +
##   hyper_r.1 + hyperyn_2_r.1 + prptca6_r.1 + lm3cat_r.1 + aortic_insuff_r.1 +
##   aortic_sten_r.1 + chf_nyha_iv_r.1 + chf_nyha_ltiv_r.1 + smoker_r.1 +
##   cvd.1 + htc_r.1 + htc_d_r.1 + mitral_insuff_r.1 + carotid_sten_r.1 +
##   pvd.1 + tricuspid_insuff_r.1 + bmi_r.1 + bmi_squared_r.1 +
##   novsl_r.1 + readmit_1y_yn_state.1 + anyakin.1 + creatcat.1 +
##   anymssd.1 + lowoutput.1 + bmicat.1 + bmi1.1 + bmi2.1 + bmi3.1 +
##   bmi4.1 + lvedpm.1 + anemiapre.1 + iabpintra.1 + lof1.1 +
##   cardblood.1 + cardcold.1 + hotshot.1 + aoxcon.1 + ultrafilyn.1 +
##   cabg.1 + valve.1 + gfr60pre.1 + fluidprel.1 + ptime120.1 +
##   heptotl.1 + heptot5.1 + train

## Warning: glm.fit: algorithm did not converge

## Warning: glm.fit: algorithm did not converge

## Warning: glm.fit: algorithm did not converge

## Warning: glm.fit: algorithm did not converge

## Warning: glm.fit: algorithm did not converge

## Warning: glm.fit: algorithm did not converge

## Warning: glm.fit: algorithm did not converge

## Warning: glm.fit: algorithm did not converge

## Warning: glm.fit: algorithm did not converge

## Warning: glm.fit: algorithm did not converge

```

[illegible]

[illegible]

##	Df	Deviance	AIC
## - pci_ta.1	1	0.00	132.00
## - efvalue_r.1	1	0.00	132.00
## - ef50_neg_r.1	1	0.00	132.00
## - ef50_neg_d_r.1	1	0.00	132.00
## - atfibyn_2_r.1	1	0.00	132.00
## - age_r.1	1	0.00	132.00
## - ua_r.1	1	0.00	132.00
## - ua_nmi7_r.1	1	0.00	132.00
## - chf_r.1	1	0.00	132.00
## - chf2cat_r.1	1	0.00	132.00
## - rf_2_r.1	1	0.00	132.00
## - rf_3_r.1	1	0.00	132.00
## - sex_r.1	1	0.00	132.00
## - prcabg_r.1	1	0.00	132.00
## - copd_r.1	1	0.00	132.00
## - anydm_r.1	1	0.00	132.00
## - dm3cat_r.1	1	0.00	132.00
## - anyvad_r.1	1	0.00	132.00
## - vad_r.1	1	0.00	132.00
## - hyper_r.1	1	0.00	132.00
## - hyperyn_2_r.1	1	0.00	132.00
## - prptca6_r.1	1	0.00	132.00
## - lm3cat_r.1	1	0.00	132.00
## - aortic_insuff_r.1	1	0.00	132.00
## - aortic_sten_r.1	1	0.00	132.00
## - chf_nyha_iv_r.1	1	0.00	132.00
## - chf_nyha_ltiv_r.1	1	0.00	132.00
## - smoker_r.1	1	0.00	132.00
## - cvd.1	1	0.00	132.00
## - htcn_r.1	1	0.00	132.00
## - htcn_d_r.1	1	0.00	132.00
## - mitral_insuff_r.1	1	0.00	132.00
## - carotid_sten_r.1	1	0.00	132.00
## - pvd.1	1	0.00	132.00
## - tricusp_insuff_r.1	1	0.00	132.00
## - bmi_r.1	1	0.00	132.00
## - bmi_squared_r.1	1	0.00	132.00
## - novsl_r.1	1	0.00	132.00
## - readmit_1y_yn_state.1	1	0.00	132.00
## - anyakin.1	1	0.00	132.00
## - creatcat.1	1	0.00	132.00
## - anymssd.1	1	0.00	132.00
## - lowoutput.1	1	0.00	132.00
## - bmicat.1	1	0.00	132.00
## - bmi1.1	1	0.00	132.00
## - bmi2.1	1	0.00	132.00
## - bmi3.1	1	0.00	132.00
## - bmi4.1	1	0.00	132.00
## - lvedpm.1	1	0.00	132.00
## - anemiapre.1	1	0.00	132.00
## - iabpintra.1	1	0.00	132.00
## - lof1.1	1	0.00	132.00
## - cardblood.1	1	0.00	132.00

```

## - cardcold.1          1      0.00 132.00
## - hotshot.1           1      0.00 132.00
## - aoxcon.1            1      0.00 132.00
## - ultrafilyn.1        1      0.00 132.00
## - cabg.1              1      0.00 132.00
## - valve.1             1      0.00 132.00
## - gfr60pre.1          1      0.00 132.00
## - fluidprel.1         1      0.00 132.00
## - ptime120.1          1      0.00 132.00
## - heptotl.1           1      0.00 132.00
## - heptot5.1           1      0.00 132.00
## - train                1      0.00 132.00
## <none>                  0.00 134.00
## - dead.1              1    808.96 940.96

## Warning: glm.fit: algorithm did not converge

##
## Step: AIC=132
## dead ~ dead.1 + efvalue_r.1 + ef50_neg_r.1 + ef50_neg_d_r.1 +
##   atfibyn_2_r.1 + age_r.1 + ua_r.1 + ua_nmi7_r.1 + chf_r.1 +
##   chf2cat_r.1 + rf_2_r.1 + rf_3_r.1 + sex_r.1 + prcabg_r.1 +
##   copd_r.1 + anydm_r.1 + dm3cat_r.1 + anyvad_r.1 + vad_r.1 +
##   hyper_r.1 + hyperyn_2_r.1 + prptca6_r.1 + lm3cat_r.1 + aortic_insuff_r.1 +
##   aortic_sten_r.1 + chf_nyha_iv_r.1 + chf_nyha_ltiv_r.1 + smoker_r.1 +
##   cvd.1 + htcn_r.1 + htcn_d_r.1 + mitral_insuff_r.1 + carotid_sten_r.1 +
##   pvd.1 + tricuspid_insuff_r.1 + bmi_r.1 + bmi_squared_r.1 +
##   novsl_r.1 + readmit_1y_yn_state.1 + anyakin.1 + creatcat.1 +
##   anymssd.1 + lowoutput.1 + bmicat.1 + bmi1.1 + bmi2.1 + bmi3.1 +
##   bmi4.1 + lvedpm.1 + anemiapre.1 + iabpintra.1 + lof1.1 +
##   cardblood.1 + cardcold.1 + hotshot.1 + aoxcon.1 + ultrafilyn.1 +
##   cabg.1 + valve.1 + gfr60pre.1 + fluidprel.1 + ptime120.1 +
##   heptotl.1 + heptot5.1 + train

## Warning: glm.fit: algorithm did not converge

## Warning: glm.fit: algorithm did not converge

## Warning: glm.fit: algorithm did not converge

## Warning: glm.fit: algorithm did not converge

## Warning: glm.fit: algorithm did not converge

## Warning: glm.fit: algorithm did not converge

## Warning: glm.fit: algorithm did not converge

## Warning: glm.fit: algorithm did not converge

## Warning: glm.fit: algorithm did not converge

## Warning: glm.fit: algorithm did not converge

```

[illegible]

## - efvalue_r.1	1	0.00	130.00
## - ef50_neg_r.1	1	0.00	130.00
## - ef50_neg_d_r.1	1	0.00	130.00
## - atfibyn_2_r.1	1	0.00	130.00
## - age_r.1	1	0.00	130.00
## - ua_r.1	1	0.00	130.00
## - ua_nmi7_r.1	1	0.00	130.00
## - chf_r.1	1	0.00	130.00
## - chf2cat_r.1	1	0.00	130.00
## - rf_2_r.1	1	0.00	130.00
## - rf_3_r.1	1	0.00	130.00
## - sex_r.1	1	0.00	130.00
## - prcabg_r.1	1	0.00	130.00
## - copd_r.1	1	0.00	130.00
## - anydm_r.1	1	0.00	130.00
## - dm3cat_r.1	1	0.00	130.00
## - anyvad_r.1	1	0.00	130.00
## - vad_r.1	1	0.00	130.00
## - hyper_r.1	1	0.00	130.00
## - hyperyn_2_r.1	1	0.00	130.00
## - prptca6_r.1	1	0.00	130.00
## - lm3cat_r.1	1	0.00	130.00
## - aortic_insuff_r.1	1	0.00	130.00
## - aortic_sten_r.1	1	0.00	130.00
## - chf_nyha_iv_r.1	1	0.00	130.00
## - chf_nyha_ltiv_r.1	1	0.00	130.00
## - smoker_r.1	1	0.00	130.00
## - cvd.1	1	0.00	130.00
## - htcn_r.1	1	0.00	130.00
## - htcn_d_r.1	1	0.00	130.00
## - mitral_insuff_r.1	1	0.00	130.00
## - carotid_sten_r.1	1	0.00	130.00
## - pvd.1	1	0.00	130.00
## - tricuspid_insuff_r.1	1	0.00	130.00
## - bmi_r.1	1	0.00	130.00
## - bmi_squared_r.1	1	0.00	130.00
## - novsl_r.1	1	0.00	130.00
## - readmit_1y_yn_state.1	1	0.00	130.00
## - anyakin.1	1	0.00	130.00
## - creatcat.1	1	0.00	130.00
## - anymssd.1	1	0.00	130.00
## - lowoutput.1	1	0.00	130.00
## - bmicat.1	1	0.00	130.00
## - bmi1.1	1	0.00	130.00
## - bmi2.1	1	0.00	130.00
## - bmi3.1	1	0.00	130.00
## - bmi4.1	1	0.00	130.00
## - lvedpm.1	1	0.00	130.00
## - anemiapre.1	1	0.00	130.00
## - iabpintra.1	1	0.00	130.00
## - lof1.1	1	0.00	130.00
## - cardblood.1	1	0.00	130.00
## - cardcold.1	1	0.00	130.00
## - hotshot.1	1	0.00	130.00


```

## - aoxcon.1          1      0.00 130.00
## - ultrafilyn.1      1      0.00 130.00
## - cabg.1            1      0.00 130.00
## - valve.1          1      0.00 130.00
## - gfr60pre.1        1      0.00 130.00
## - fluidprel.1       1      0.00 130.00
## - ptime120.1        1      0.00 130.00
## - heptotl.1         1      0.00 130.00
## - heptot5.1         1      0.00 130.00
## - train             1      0.00 130.00
## <none>              0.00 132.00
## - dead.1           1 809.09 939.09

## Warning: glm.fit: algorithm did not converge

##
## Step: AIC=130
## dead ~ dead.1 + ef50_neg_r.1 + ef50_neg_d_r.1 + atfibyn_2_r.1 +
##   age_r.1 + ua_r.1 + ua_nmi7_r.1 + chf_r.1 + chf2cat_r.1 +
##   rf_2_r.1 + rf_3_r.1 + sex_r.1 + prcabg_r.1 + copd_r.1 + anydm_r.1 +
##   dm3cat_r.1 + anyvad_r.1 + vad_r.1 + hyper_r.1 + hyperyn_2_r.1 +
##   prptca6_r.1 + lm3cat_r.1 + aortic_insuff_r.1 + aortic_sten_r.1 +
##   chf_nyha_iv_r.1 + chf_nyha_ltiv_r.1 + smoker_r.1 + cvd.1 +
##   htc_m_r.1 + htc_m_d_r.1 + mitral_insuff_r.1 + carotid_sten_r.1 +
##   pvd.1 + tricuspid_insuff_r.1 + bmi_r.1 + bmi_squared_r.1 +
##   novsl_r.1 + readmit_1y_yn_state.1 + anyakin.1 + creatcat.1 +
##   anymssd.1 + lowoutput.1 + bmicat.1 + bmi1.1 + bmi2.1 + bmi3.1 +
##   bmi4.1 + lvedpm.1 + anemiapre.1 + iabpintra.1 + lof1.1 +
##   cardblood.1 + cardcold.1 + hotshot.1 + aoxcon.1 + ultrafilyn.1 +
##   cabg.1 + valve.1 + gfr60pre.1 + fluidprel.1 + ptime120.1 +
##   heptotl.1 + heptot5.1 + train

## Warning: glm.fit: algorithm did not converge

## Warning: glm.fit: algorithm did not converge

## Warning: glm.fit: algorithm did not converge

## Warning: glm.fit: algorithm did not converge

## Warning: glm.fit: algorithm did not converge

## Warning: glm.fit: algorithm did not converge

## Warning: glm.fit: algorithm did not converge

## Warning: glm.fit: algorithm did not converge

## Warning: glm.fit: algorithm did not converge

## Warning: glm.fit: algorithm did not converge

## Warning: glm.fit: algorithm did not converge

```

[illegible]

[illegible]

## - ua_r.1	1	0.0 128.0
## - ua_nmi7_r.1	1	0.0 128.0
## - chf_r.1	1	0.0 128.0
## - chf2cat_r.1	1	0.0 128.0
## - rf_2_r.1	1	0.0 128.0
## - rf_3_r.1	1	0.0 128.0
## - sex_r.1	1	0.0 128.0
## - prcabg_r.1	1	0.0 128.0
## - copd_r.1	1	0.0 128.0
## - anydm_r.1	1	0.0 128.0
## - dm3cat_r.1	1	0.0 128.0
## - anyvad_r.1	1	0.0 128.0
## - vad_r.1	1	0.0 128.0
## - hyper_r.1	1	0.0 128.0
## - hyperyn_2_r.1	1	0.0 128.0
## - prptca6_r.1	1	0.0 128.0
## - lm3cat_r.1	1	0.0 128.0
## - aortic_insuff_r.1	1	0.0 128.0
## - aortic_sten_r.1	1	0.0 128.0
## - chf_nyha_iv_r.1	1	0.0 128.0
## - chf_nyha_ltiv_r.1	1	0.0 128.0
## - smoker_r.1	1	0.0 128.0
## - cvd.1	1	0.0 128.0
## - htc_m_r.1	1	0.0 128.0
## - htc_m_d_r.1	1	0.0 128.0
## - mitral_insuff_r.1	1	0.0 128.0
## - carotid_sten_r.1	1	0.0 128.0
## - pvd.1	1	0.0 128.0
## - tricuspid_insuff_r.1	1	0.0 128.0
## - bmi_r.1	1	0.0 128.0
## - bmi_squared_r.1	1	0.0 128.0
## - novsl_r.1	1	0.0 128.0
## - readmit_1y_yn_state.1	1	0.0 128.0
## - anyakin.1	1	0.0 128.0
## - creatcat.1	1	0.0 128.0
## - anymssd.1	1	0.0 128.0
## - lowoutput.1	1	0.0 128.0
## - bmicat.1	1	0.0 128.0
## - bmi1.1	1	0.0 128.0
## - bmi2.1	1	0.0 128.0
## - bmi3.1	1	0.0 128.0
## - bmi4.1	1	0.0 128.0
## - lvedpm.1	1	0.0 128.0
## - anemiapre.1	1	0.0 128.0
## - iabpintra.1	1	0.0 128.0
## - lof1.1	1	0.0 128.0
## - cardblood.1	1	0.0 128.0
## - cardcold.1	1	0.0 128.0
## - hotshot.1	1	0.0 128.0
## - aoxcon.1	1	0.0 128.0
## - ultrafilyn.1	1	0.0 128.0
## - cabg.1	1	0.0 128.0
## - valve.1	1	0.0 128.0
## - gfr60pre.1	1	0.0 128.0

```

## - fluidprel.1          1      0.0 128.0
## - ptime120.1          1      0.0 128.0
## - heptotl.1           1      0.0 128.0
## - heptot5.1           1      0.0 128.0
## - train                1      0.0 128.0
## <none>                  0.0 130.0
## - dead.1              1    816.2 944.2

## Warning: glm.fit: algorithm did not converge

##
## Step:  AIC=128
## dead ~ dead.1 + ef50_neg_d_r.1 + atfibyn_2_r.1 + age_r.1 + ua_r.1 +
##      ua_nmi7_r.1 + chf_r.1 + chf2cat_r.1 + rf_2_r.1 + rf_3_r.1 +
##      sex_r.1 + prcabg_r.1 + copd_r.1 + anydm_r.1 + dm3cat_r.1 +
##      anyvad_r.1 + vad_r.1 + hyper_r.1 + hyperyn_2_r.1 + prptca6_r.1 +
##      lm3cat_r.1 + aortic_insuff_r.1 + aortic_sten_r.1 + chf_nyha_iv_r.1 +
##      chf_nyha_ltiv_r.1 + smoker_r.1 + cvd.1 + htcn_r.1 + htcn_d_r.1 +
##      mitral_insuff_r.1 + carotid_sten_r.1 + pvd.1 + tricuspid_insuff_r.1 +
##      bmi_r.1 + bmi_squared_r.1 + novsl_r.1 + readmit_1y_yn_state.1 +
##      anyakin.1 + creatcat.1 + anymssd.1 + lowoutput.1 + bmicat.1 +
##      bmi1.1 + bmi2.1 + bmi3.1 + bmi4.1 + lvedpm.1 + anemiapre.1 +
##      iabpintra.1 + lof1.1 + cardblood.1 + cardcold.1 + hotshot.1 +
##      aoxcon.1 + ultrafilyn.1 + cabg.1 + valve.1 + gfr60pre.1 +
##      fluidprel.1 + ptime120.1 + heptotl.1 + heptot5.1 + train

## Warning: glm.fit: algorithm did not converge

## Warning: glm.fit: algorithm did not converge

## Warning: glm.fit: algorithm did not converge

## Warning: glm.fit: algorithm did not converge

## Warning: glm.fit: algorithm did not converge

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## Warning: glm.fit: algorithm did not converge

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[illegible]

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## Warning: glm.fit: algorithm did not converge

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## Warning: glm.fit: algorithm did not converge

## Warning: glm.fit: algorithm did not converge

## Warning: glm.fit: algorithm did not converge

## Warning: glm.fit: algorithm did not converge

##
##           Df Deviance    AIC
## - ef50_neg_d_r.1      1     0.00 126.00
## - atfibyn_2_r.1      1     0.00 126.00
## - age_r.1            1     0.00 126.00
## - ua_r.1             1     0.00 126.00
## - ua_nmi7_r.1        1     0.00 126.00
## - chf_r.1            1     0.00 126.00
## - chf2cat_r.1        1     0.00 126.00
## - rf_2_r.1           1     0.00 126.00
## - rf_3_r.1           1     0.00 126.00
## - sex_r.1            1     0.00 126.00
## - prcabg_r.1         1     0.00 126.00
## - copd_r.1           1     0.00 126.00

```

## - anydm_r.1	1	0.00	126.00
## - dm3cat_r.1	1	0.00	126.00
## - anyvad_r.1	1	0.00	126.00
## - vad_r.1	1	0.00	126.00
## - hyper_r.1	1	0.00	126.00
## - hyperyn_2_r.1	1	0.00	126.00
## - prptca6_r.1	1	0.00	126.00
## - lm3cat_r.1	1	0.00	126.00
## - aortic_insuff_r.1	1	0.00	126.00
## - aortic_sten_r.1	1	0.00	126.00
## - chf_nyha_iv_r.1	1	0.00	126.00
## - chf_nyha_ltiv_r.1	1	0.00	126.00
## - smoker_r.1	1	0.00	126.00
## - cvd.1	1	0.00	126.00
## - htcn_r.1	1	0.00	126.00
## - htcn_d_r.1	1	0.00	126.00
## - mitral_insuff_r.1	1	0.00	126.00
## - carotid_sten_r.1	1	0.00	126.00
## - pvd.1	1	0.00	126.00
## - tricuspid_insuff_r.1	1	0.00	126.00
## - bmi_r.1	1	0.00	126.00
## - bmi_squared_r.1	1	0.00	126.00
## - novsl_r.1	1	0.00	126.00
## - readmit_1y_yn_state.1	1	0.00	126.00
## - anyakin.1	1	0.00	126.00
## - creatcat.1	1	0.00	126.00
## - anymssd.1	1	0.00	126.00
## - lowoutput.1	1	0.00	126.00
## - bmicat.1	1	0.00	126.00
## - bmi1.1	1	0.00	126.00
## - bmi2.1	1	0.00	126.00
## - bmi3.1	1	0.00	126.00
## - bmi4.1	1	0.00	126.00
## - lvedpm.1	1	0.00	126.00
## - anemiapre.1	1	0.00	126.00
## - iabpintra.1	1	0.00	126.00
## - lof1.1	1	0.00	126.00
## - cardblood.1	1	0.00	126.00
## - cardcold.1	1	0.00	126.00
## - hotshot.1	1	0.00	126.00
## - aoxcon.1	1	0.00	126.00
## - ultrafilyn.1	1	0.00	126.00
## - cabg.1	1	0.00	126.00
## - valve.1	1	0.00	126.00
## - gfr60pre.1	1	0.00	126.00
## - fluidprel.1	1	0.00	126.00
## - ptime120.1	1	0.00	126.00
## - heptotl.1	1	0.00	126.00
## - heptot5.1	1	0.00	126.00
## - train	1	0.00	126.00
## <none>		0.00	128.00
## - dead.1	1	816.88	942.88

Warning: glm.fit: algorithm did not converge

[illegible]

[illegible]

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## Warning: glm.fit: algorithm did not converge
## Warning: glm.fit: algorithm did not converge
## Warning: glm.fit: algorithm did not converge
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## Warning: glm.fit: algorithm did not converge
## Warning: glm.fit: algorithm did not converge
## Warning: glm.fit: algorithm did not converge
## Warning: glm.fit: algorithm did not converge
##
##           Df Deviance    AIC
## - atfibyn_2_r.1      1      0.00 124.00
## - age_r.1            1      0.00 124.00
## - ua_r.1             1      0.00 124.00
## - ua_nmi7_r.1        1      0.00 124.00
## - chf_r.1            1      0.00 124.00
## - chf2cat_r.1        1      0.00 124.00
## - rf_2_r.1           1      0.00 124.00
## - rf_3_r.1           1      0.00 124.00
## - sex_r.1            1      0.00 124.00
## - prcabg_r.1         1      0.00 124.00
## - copd_r.1           1      0.00 124.00
## - anydm_r.1          1      0.00 124.00
## - dm3cat_r.1         1      0.00 124.00
## - anyvad_r.1         1      0.00 124.00
## - vad_r.1            1      0.00 124.00
## - hyper_r.1          1      0.00 124.00
## - hyperyn_2_r.1      1      0.00 124.00
## - prptca6_r.1        1      0.00 124.00
## - lm3cat_r.1         1      0.00 124.00
## - aortic_insuff_r.1  1      0.00 124.00
## - aortic_sten_r.1    1      0.00 124.00
## - chf_nyha_iv_r.1    1      0.00 124.00
## - chf_nyha_ltiv_r.1  1      0.00 124.00

```

```

## - smoker_r.1          1      0.00 124.00
## - cvd.1               1      0.00 124.00
## - htc_m_r.1           1      0.00 124.00
## - htc_m_d_r.1         1      0.00 124.00
## - mitral_insuff_r.1   1      0.00 124.00
## - carotid_sten_r.1    1      0.00 124.00
## - pvd.1               1      0.00 124.00
## - tricuspid_insuff_r.1 1      0.00 124.00
## - bmi_r.1             1      0.00 124.00
## - bmi_squared_r.1     1      0.00 124.00
## - novsl_r.1           1      0.00 124.00
## - readmit_1y_yn_state.1 1      0.00 124.00
## - anyakin.1           1      0.00 124.00
## - creatcat.1          1      0.00 124.00
## - anymssd.1           1      0.00 124.00
## - lowoutput.1         1      0.00 124.00
## - bmicat.1            1      0.00 124.00
## - bmi1.1              1      0.00 124.00
## - bmi2.1              1      0.00 124.00
## - bmi3.1              1      0.00 124.00
## - bmi4.1              1      0.00 124.00
## - lvedpm.1            1      0.00 124.00
## - anemiapre.1         1      0.00 124.00
## - iabpintra.1         1      0.00 124.00
## - lof1.1              1      0.00 124.00
## - cardblood.1         1      0.00 124.00
## - cardcold.1          1      0.00 124.00
## - hotshot.1           1      0.00 124.00
## - aoxcon.1            1      0.00 124.00
## - ultrafilyn.1        1      0.00 124.00
## - cabg.1              1      0.00 124.00
## - valve.1             1      0.00 124.00
## - gfr60pre.1          1      0.00 124.00
## - fluidprel.1         1      0.00 124.00
## - ptime120.1          1      0.00 124.00
## - heptotl.1           1      0.00 124.00
## - heptot5.1           1      0.00 124.00
## - train               1      0.00 124.00
## <none>                 0.00 126.00
## - dead.1              1      817.96 941.96

## Warning: glm.fit: algorithm did not converge

##
## Step:  AIC=124
## dead ~ dead.1 + age_r.1 + ua_r.1 + ua_nmi7_r.1 + chf_r.1 + chf2cat_r.1 +
## rf_2_r.1 + rf_3_r.1 + sex_r.1 + prcabg_r.1 + copd_r.1 + anydm_r.1 +
## dm3cat_r.1 + anyvad_r.1 + vad_r.1 + hyper_r.1 + hyperyn_2_r.1 +
## prptca6_r.1 + lm3cat_r.1 + aortic_insuff_r.1 + aortic_sten_r.1 +
## chf_nyha_iv_r.1 + chf_nyha_ltiv_r.1 + smoker_r.1 + cvd.1 +
## htc_m_r.1 + htc_m_d_r.1 + mitral_insuff_r.1 + carotid_sten_r.1 +
## pvd.1 + tricuspid_insuff_r.1 + bmi_r.1 + bmi_squared_r.1 +
## novsl_r.1 + readmit_1y_yn_state.1 + anyakin.1 + creatcat.1 +
## anymssd.1 + lowoutput.1 + bmicat.1 + bmi1.1 + bmi2.1 + bmi3.1 +
## bmi4.1 + lvedpm.1 + anemiapre.1 + iabpintra.1 + lof1.1 +

```

[illegible]

[illegible]

```

## Warning: glm.fit: algorithm did not converge

## Warning: glm.fit: algorithm did not converge

## Warning: glm.fit: algorithm did not converge

## Warning: glm.fit: algorithm did not converge

## Warning: glm.fit: algorithm did not converge

## Warning: glm.fit: algorithm did not converge

## Warning: glm.fit: algorithm did not converge

## Warning: glm.fit: algorithm did not converge

##
##           Df Deviance    AIC
## - age_r.1      1      0.00 122.00
## - ua_r.1      1      0.00 122.00
## - ua_nmi7_r.1  1      0.00 122.00
## - chf_r.1      1      0.00 122.00
## - chf2cat_r.1  1      0.00 122.00
## - rf_2_r.1     1      0.00 122.00
## - rf_3_r.1     1      0.00 122.00
## - sex_r.1      1      0.00 122.00
## - prcabg_r.1   1      0.00 122.00
## - copd_r.1     1      0.00 122.00
## - anydm_r.1    1      0.00 122.00
## - dm3cat_r.1   1      0.00 122.00
## - anyvad_r.1   1      0.00 122.00
## - vad_r.1      1      0.00 122.00
## - hyper_r.1    1      0.00 122.00
## - hyperyn_2_r.1 1      0.00 122.00
## - prptca6_r.1  1      0.00 122.00
## - lm3cat_r.1   1      0.00 122.00
## - aortic_insuff_r.1 1      0.00 122.00
## - aortic_sten_r.1 1      0.00 122.00
## - chf_nyha_iv_r.1 1      0.00 122.00
## - chf_nyha_ltiv_r.1 1      0.00 122.00
## - smoker_r.1   1      0.00 122.00
## - cvd.1        1      0.00 122.00
## - htc_m_r.1    1      0.00 122.00
## - htc_m_d_r.1  1      0.00 122.00
## - mitral_insuff_r.1 1      0.00 122.00
## - carotid_sten_r.1 1      0.00 122.00
## - pvd.1        1      0.00 122.00
## - tricuspid_insuff_r.1 1      0.00 122.00
## - bmi_r.1      1      0.00 122.00
## - bmi_squared_r.1 1      0.00 122.00
## - novsl_r.1    1      0.00 122.00
## - readmit_1y_yn_state.1 1      0.00 122.00
## - anyakin.1    1      0.00 122.00
## - creatcat.1   1      0.00 122.00
## - anymssd.1    1      0.00 122.00

```

```

## - lowoutput.1          1      0.00 122.00
## - bmicat.1             1      0.00 122.00
## - bmi1.1               1      0.00 122.00
## - bmi2.1               1      0.00 122.00
## - bmi3.1               1      0.00 122.00
## - bmi4.1               1      0.00 122.00
## - lvedpm.1             1      0.00 122.00
## - anemiapre.1          1      0.00 122.00
## - iabpintra.1          1      0.00 122.00
## - lof1.1               1      0.00 122.00
## - cardblood.1          1      0.00 122.00
## - cardcold.1           1      0.00 122.00
## - hotshot.1            1      0.00 122.00
## - aoxcon.1             1      0.00 122.00
## - ultrafilyn.1         1      0.00 122.00
## - cabg.1               1      0.00 122.00
## - valve.1              1      0.00 122.00
## - gfr60pre.1           1      0.00 122.00
## - fluidprel.1          1      0.00 122.00
## - ptime120.1           1      0.00 122.00
## - heptotl.1            1      0.00 122.00
## - heptot5.1            1      0.00 122.00
## - train                1      0.00 122.00
## <none>                  0.00 124.00
## - dead.1               1 823.81 945.81

## Warning: glm.fit: algorithm did not converge

##
## Step: AIC=122
## dead ~ dead.1 + ua_r.1 + ua_nmi7_r.1 + chf_r.1 + chf2cat_r.1 +
## rf_2_r.1 + rf_3_r.1 + sex_r.1 + prcabg_r.1 + copd_r.1 + anydm_r.1 +
## dm3cat_r.1 + anyvad_r.1 + vad_r.1 + hyper_r.1 + hyperyn_2_r.1 +
## prptca6_r.1 + lm3cat_r.1 + aortic_insuff_r.1 + aortic_sten_r.1 +
## chf_nyha_iv_r.1 + chf_nyha_ltiv_r.1 + smoker_r.1 + cvd.1 +
## htc_m_r.1 + htc_m_d_r.1 + mitral_insuff_r.1 + carotid_sten_r.1 +
## pvd.1 + tricuspid_insuff_r.1 + bmi_r.1 + bmi_squared_r.1 +
## novsl_r.1 + readmit_1y_yn_state.1 + anyakin.1 + creatcat.1 +
## anymssd.1 + lowoutput.1 + bmicat.1 + bmi1.1 + bmi2.1 + bmi3.1 +
## bmi4.1 + lvedpm.1 + anemiapre.1 + iabpintra.1 + lof1.1 +
## cardblood.1 + cardcold.1 + hotshot.1 + aoxcon.1 + ultrafilyn.1 +
## cabg.1 + valve.1 + gfr60pre.1 + fluidprel.1 + ptime120.1 +
## heptotl.1 + heptot5.1 + train

## Warning: glm.fit: algorithm did not converge

## Warning: glm.fit: algorithm did not converge

## Warning: glm.fit: algorithm did not converge

## Warning: glm.fit: algorithm did not converge

## Warning: glm.fit: algorithm did not converge

## Warning: glm.fit: algorithm did not converge

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[illegible]

[illegible]

## - ua_r.1	1	0.00	120.00
## - ua_nmi7_r.1	1	0.00	120.00
## - chf_r.1	1	0.00	120.00
## - chf2cat_r.1	1	0.00	120.00
## - rf_2_r.1	1	0.00	120.00
## - rf_3_r.1	1	0.00	120.00
## - sex_r.1	1	0.00	120.00
## - prcabg_r.1	1	0.00	120.00
## - copd_r.1	1	0.00	120.00
## - anydm_r.1	1	0.00	120.00
## - dm3cat_r.1	1	0.00	120.00
## - anyvad_r.1	1	0.00	120.00
## - vad_r.1	1	0.00	120.00
## - hyper_r.1	1	0.00	120.00
## - hyperyn_2_r.1	1	0.00	120.00
## - prptca6_r.1	1	0.00	120.00
## - lm3cat_r.1	1	0.00	120.00
## - aortic_insuff_r.1	1	0.00	120.00
## - aortic_sten_r.1	1	0.00	120.00
## - chf_nyha_iv_r.1	1	0.00	120.00
## - chf_nyha_ltiv_r.1	1	0.00	120.00
## - smoker_r.1	1	0.00	120.00
## - cvd.1	1	0.00	120.00
## - htc_m_r.1	1	0.00	120.00
## - htc_m_d_r.1	1	0.00	120.00
## - mitral_insuff_r.1	1	0.00	120.00
## - carotid_sten_r.1	1	0.00	120.00
## - pvd.1	1	0.00	120.00
## - tricuspid_insuff_r.1	1	0.00	120.00
## - bmi_r.1	1	0.00	120.00
## - bmi_squared_r.1	1	0.00	120.00
## - novsl_r.1	1	0.00	120.00
## - readmit_1y_yn_state.1	1	0.00	120.00
## - anyakin.1	1	0.00	120.00
## - creatcat.1	1	0.00	120.00
## - anymssd.1	1	0.00	120.00
## - lowoutput.1	1	0.00	120.00
## - bmicat.1	1	0.00	120.00
## - bmi1.1	1	0.00	120.00
## - bmi2.1	1	0.00	120.00
## - bmi3.1	1	0.00	120.00
## - bmi4.1	1	0.00	120.00
## - lvedpm.1	1	0.00	120.00
## - anemiapre.1	1	0.00	120.00
## - iabpintra.1	1	0.00	120.00
## - lof1.1	1	0.00	120.00
## - cardblood.1	1	0.00	120.00
## - cardcold.1	1	0.00	120.00
## - hotshot.1	1	0.00	120.00
## - aoxcon.1	1	0.00	120.00
## - ultrafilyn.1	1	0.00	120.00
## - cabg.1	1	0.00	120.00
## - valve.1	1	0.00	120.00
## - gfr60pre.1	1	0.00	120.00

```

## - fluidprel.1          1      0.00 120.00
## - ptime120.1          1      0.00 120.00
## - heptotl.1           1      0.00 120.00
## - heptot5.1           1      0.00 120.00
## - train               1      0.00 120.00
## <none>                 0.00 122.00
## - dead.1              1 847.36 967.36

## Warning: glm.fit: algorithm did not converge

##
## Step: AIC=120
## dead ~ dead.1 + ua_nmi7_r.1 + chf_r.1 + chf2cat_r.1 + rf_2_r.1 +
## rf_3_r.1 + sex_r.1 + prcabg_r.1 + copd_r.1 + anydm_r.1 +
## dm3cat_r.1 + anyvad_r.1 + vad_r.1 + hyper_r.1 + hyperyn_2_r.1 +
## prptca6_r.1 + lm3cat_r.1 + aortic_insuff_r.1 + aortic_sten_r.1 +
## chf_nyha_iv_r.1 + chf_nyha_ltiv_r.1 + smoker_r.1 + cvd.1 +
## htc_m_r.1 + htc_m_d_r.1 + mitral_insuff_r.1 + carotid_sten_r.1 +
## pvd.1 + tricuspid_insuff_r.1 + bmi_r.1 + bmi_squared_r.1 +
## novsl_r.1 + readmit_1y_yn_state.1 + anyakin.1 + creatcat.1 +
## anymssd.1 + lowoutput.1 + bmicat.1 + bmi1.1 + bmi2.1 + bmi3.1 +
## bmi4.1 + lvedpm.1 + anemiapre.1 + iabpintra.1 + lof1.1 +
## cardblood.1 + cardcold.1 + hotshot.1 + aoxcon.1 + ultrafilyn.1 +
## cabg.1 + valve.1 + gfr60pre.1 + fluidprel.1 + ptime120.1 +
## heptotl.1 + heptot5.1 + train

## Warning: glm.fit: algorithm did not converge

## Warning: glm.fit: algorithm did not converge

## Warning: glm.fit: algorithm did not converge

## Warning: glm.fit: algorithm did not converge

## Warning: glm.fit: algorithm did not converge

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## Warning: glm.fit: algorithm did not converge

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## Warning: glm.fit: algorithm did not converge

## Warning: glm.fit: algorithm did not converge

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## Warning: glm.fit: algorithm did not converge

## Warning: glm.fit: algorithm did not converge

## Warning: glm.fit: algorithm did not converge

## Warning: glm.fit: algorithm did not converge

## Warning: glm.fit: algorithm did not converge

##
##           Df Deviance    AIC
## - ua_nmi7_r.1      1      0.00 118.00
## - chf_r.1          1      0.00 118.00
## - chf2cat_r.1      1      0.00 118.00
## - rf_2_r.1         1      0.00 118.00
## - rf_3_r.1         1      0.00 118.00
## - sex_r.1          1      0.00 118.00
## - prcabg_r.1       1      0.00 118.00
## - copd_r.1         1      0.00 118.00
## - anydm_r.1        1      0.00 118.00
## - dm3cat_r.1       1      0.00 118.00
## - anyvad_r.1       1      0.00 118.00
## - vad_r.1          1      0.00 118.00
## - hyper_r.1        1      0.00 118.00
## - hyperyn_2_r.1    1      0.00 118.00
## - prptca6_r.1      1      0.00 118.00
## - lm3cat_r.1       1      0.00 118.00
## - aortic_insuff_r.1 1      0.00 118.00
## - aortic_sten_r.1  1      0.00 118.00
## - chf_nyha_iv_r.1  1      0.00 118.00
## - chf_nyha_ltiv_r.1 1      0.00 118.00

```

```

## - smoker_r.1          1      0.00 118.00
## - cvd.1               1      0.00 118.00
## - htc_m_r.1           1      0.00 118.00
## - htc_m_d_r.1         1      0.00 118.00
## - mitral_insuff_r.1    1      0.00 118.00
## - carotid_sten_r.1     1      0.00 118.00
## - pvd.1               1      0.00 118.00
## - tricuspid_insuff_r.1 1      0.00 118.00
## - bmi_r.1             1      0.00 118.00
## - bmi_squared_r.1      1      0.00 118.00
## - novsl_r.1           1      0.00 118.00
## - readmit_1y_yn_state.1 1      0.00 118.00
## - anyakin.1           1      0.00 118.00
## - creatcat.1          1      0.00 118.00
## - anymssd.1           1      0.00 118.00
## - lowoutput.1         1      0.00 118.00
## - bmicat.1            1      0.00 118.00
## - bmi1.1              1      0.00 118.00
## - bmi2.1              1      0.00 118.00
## - bmi3.1              1      0.00 118.00
## - bmi4.1              1      0.00 118.00
## - lvedpm.1            1      0.00 118.00
## - anemiapre.1         1      0.00 118.00
## - iabpintra.1         1      0.00 118.00
## - lof1.1              1      0.00 118.00
## - cardblood.1         1      0.00 118.00
## - cardcold.1          1      0.00 118.00
## - hotshot.1           1      0.00 118.00
## - aoxcon.1            1      0.00 118.00
## - ultrafilyn.1        1      0.00 118.00
## - cabg.1              1      0.00 118.00
## - valve.1             1      0.00 118.00
## - gfr60pre.1          1      0.00 118.00
## - fluidprel.1         1      0.00 118.00
## - ptime120.1          1      0.00 118.00
## - heptotl.1           1      0.00 118.00
## - heptot5.1           1      0.00 118.00
## - train               1      0.00 118.00
## <none>                 0.00 120.00
## - dead.1              1 847.39 965.39

## Warning: glm.fit: algorithm did not converge

##
## Step: AIC=118
## dead ~ dead.1 + chf_r.1 + chf2cat_r.1 + rf_2_r.1 + rf_3_r.1 +
## sex_r.1 + prcabg_r.1 + copd_r.1 + anydm_r.1 + dm3cat_r.1 +
## anyvad_r.1 + vad_r.1 + hyper_r.1 + hyperyn_2_r.1 + prptca6_r.1 +
## lm3cat_r.1 + aortic_insuff_r.1 + aortic_sten_r.1 + chf_nyha_iv_r.1 +
## chf_nyha_ltiv_r.1 + smoker_r.1 + cvd.1 + htc_m_r.1 + htc_m_d_r.1 +
## mitral_insuff_r.1 + carotid_sten_r.1 + pvd.1 + tricuspid_insuff_r.1 +
## bmi_r.1 + bmi_squared_r.1 + novsl_r.1 + readmit_1y_yn_state.1 +
## anyakin.1 + creatcat.1 + anymssd.1 + lowoutput.1 + bmicat.1 +
## bmi1.1 + bmi2.1 + bmi3.1 + bmi4.1 + lvedpm.1 + anemiapre.1 +
## iabpintra.1 + lof1.1 + cardblood.1 + cardcold.1 + hotshot.1 +

```

[illegible]

Warning: glm.fit: algorithm did not converge

Warning: glm.fit: algorithm did not converge

Warning: glm.fit: algorithm did not converge

Warning: glm.fit: algorithm did not converge

##	Df	Deviance	AIC
## - chf_r.1	1	0.00	116.00
## - chf2cat_r.1	1	0.00	116.00
## - rf_2_r.1	1	0.00	116.00
## - rf_3_r.1	1	0.00	116.00
## - sex_r.1	1	0.00	116.00
## - prcabg_r.1	1	0.00	116.00
## - copd_r.1	1	0.00	116.00
## - anydm_r.1	1	0.00	116.00
## - dm3cat_r.1	1	0.00	116.00
## - anyvad_r.1	1	0.00	116.00
## - vad_r.1	1	0.00	116.00
## - hyper_r.1	1	0.00	116.00
## - hyperyn_2_r.1	1	0.00	116.00
## - prptca6_r.1	1	0.00	116.00
## - lm3cat_r.1	1	0.00	116.00
## - aortic_insuff_r.1	1	0.00	116.00
## - aortic_sten_r.1	1	0.00	116.00
## - chf_nyha_iv_r.1	1	0.00	116.00
## - chf_nyha_ltiv_r.1	1	0.00	116.00
## - smoker_r.1	1	0.00	116.00
## - cvd.1	1	0.00	116.00
## - htcn_r.1	1	0.00	116.00
## - htcn_d_r.1	1	0.00	116.00
## - mitral_insuff_r.1	1	0.00	116.00
## - carotid_sten_r.1	1	0.00	116.00
## - pvd.1	1	0.00	116.00
## - tricuspid_insuff_r.1	1	0.00	116.00
## - bmi_r.1	1	0.00	116.00
## - bmi_squared_r.1	1	0.00	116.00
## - novsl_r.1	1	0.00	116.00
## - readmit_1y_yn_state.1	1	0.00	116.00
## - anyakin.1	1	0.00	116.00
## - creatcat.1	1	0.00	116.00
## - anymssd.1	1	0.00	116.00
## - lowoutput.1	1	0.00	116.00
## - bmicat.1	1	0.00	116.00
## - bmi1.1	1	0.00	116.00
## - bmi2.1	1	0.00	116.00
## - bmi3.1	1	0.00	116.00
## - bmi4.1	1	0.00	116.00
## - lvedpm.1	1	0.00	116.00
## - anemiapre.1	1	0.00	116.00
## - iabpintra.1	1	0.00	116.00
## - lof1.1	1	0.00	116.00

```

## - cardblood.1          1      0.00 116.00
## - cardcold.1          1      0.00 116.00
## - hotshot.1           1      0.00 116.00
## - aoxcon.1            1      0.00 116.00
## - ultrafilyn.1        1      0.00 116.00
## - cabg.1              1      0.00 116.00
## - valve.1             1      0.00 116.00
## - gfr60pre.1          1      0.00 116.00
## - fluidprel.1         1      0.00 116.00
## - ptime120.1          1      0.00 116.00
## - heptotl.1           1      0.00 116.00
## - heptot5.1           1      0.00 116.00
## - train               1      0.00 116.00
## <none>                 0.00 118.00
## - dead.1              1    850.69 966.69

## Warning: glm.fit: algorithm did not converge

##
## Step:  AIC=116
## dead ~ dead.1 + chf2cat_r.1 + rf_2_r.1 + rf_3_r.1 + sex_r.1 +
##   prcabg_r.1 + copd_r.1 + anydm_r.1 + dm3cat_r.1 + anyvad_r.1 +
##   vad_r.1 + hyper_r.1 + hyperyn_2_r.1 + prptca6_r.1 + lm3cat_r.1 +
##   aortic_insuff_r.1 + aortic_sten_r.1 + chf_nyha_iv_r.1 + chf_nyha_ltiv_r.1 +
##   smoker_r.1 + cvd.1 + htcn_r.1 + htcn_d_r.1 + mitral_insuff_r.1 +
##   carotid_sten_r.1 + pvd.1 + tricuspid_insuff_r.1 + bmi_r.1 +
##   bmi_squared_r.1 + novsl_r.1 + readmit_1y_yn_state.1 + anyakin.1 +
##   creatcat.1 + anymssd.1 + lowoutput.1 + bmicat.1 + bmi1.1 +
##   bmi2.1 + bmi3.1 + bmi4.1 + lvedpm.1 + anemiapre.1 + iabpintra.1 +
##   lof1.1 + cardblood.1 + cardcold.1 + hotshot.1 + aoxcon.1 +
##   ultrafilyn.1 + cabg.1 + valve.1 + gfr60pre.1 + fluidprel.1 +
##   ptime120.1 + heptotl.1 + heptot5.1 + train

## Warning: glm.fit: algorithm did not converge

## Warning: glm.fit: algorithm did not converge

## Warning: glm.fit: algorithm did not converge

## Warning: glm.fit: algorithm did not converge

## Warning: glm.fit: algorithm did not converge

## Warning: glm.fit: algorithm did not converge

## Warning: glm.fit: algorithm did not converge

## Warning: glm.fit: algorithm did not converge

## Warning: glm.fit: algorithm did not converge

## Warning: glm.fit: algorithm did not converge

```

[illegible]

```

## Warning: glm.fit: algorithm did not converge
## Warning: glm.fit: algorithm did not converge
## Warning: glm.fit: algorithm did not converge
## Warning: glm.fit: algorithm did not converge
## Warning: glm.fit: algorithm did not converge
## Warning: glm.fit: algorithm did not converge
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## Warning: glm.fit: algorithm did not converge
## Warning: glm.fit: algorithm did not converge
## Warning: glm.fit: algorithm did not converge
## Warning: glm.fit: algorithm did not converge
## Warning: glm.fit: algorithm did not converge
## Warning: glm.fit: algorithm did not converge
## Warning: glm.fit: algorithm did not converge
##
##           Df Deviance    AIC
## - chf2cat_r.1      1      0.00 114.00
## - rf_2_r.1         1      0.00 114.00
## - rf_3_r.1         1      0.00 114.00
## - sex_r.1          1      0.00 114.00
## - prcabg_r.1       1      0.00 114.00
## - copd_r.1         1      0.00 114.00
## - anydm_r.1        1      0.00 114.00
## - dm3cat_r.1       1      0.00 114.00
## - anyvad_r.1       1      0.00 114.00
## - vad_r.1          1      0.00 114.00
## - hyper_r.1        1      0.00 114.00
## - hyperyn_2_r.1    1      0.00 114.00
## - prptca6_r.1      1      0.00 114.00
## - lm3cat_r.1       1      0.00 114.00
## - aortic_insuff_r.1 1      0.00 114.00
## - aortic_sten_r.1  1      0.00 114.00
## - chf_nyha_iv_r.1  1      0.00 114.00

```

```

## - chf_nyha_ltiv_r.1      1      0.00 114.00
## - smoker_r.1             1      0.00 114.00
## - cvd.1                  1      0.00 114.00
## - htc_m_r.1              1      0.00 114.00
## - htc_m_d_r.1            1      0.00 114.00
## - mitral_insuff_r.1      1      0.00 114.00
## - carotid_sten_r.1       1      0.00 114.00
## - pvd.1                  1      0.00 114.00
## - tricuspid_insuff_r.1   1      0.00 114.00
## - bmi_r.1                1      0.00 114.00
## - bmi_squared_r.1        1      0.00 114.00
## - novsl_r.1              1      0.00 114.00
## - readmit_1y_yn_state.1  1      0.00 114.00
## - anyakin.1              1      0.00 114.00
## - creatcat.1             1      0.00 114.00
## - anymssd.1              1      0.00 114.00
## - lowoutput.1            1      0.00 114.00
## - bmicat.1               1      0.00 114.00
## - bmi1.1                 1      0.00 114.00
## - bmi2.1                 1      0.00 114.00
## - bmi3.1                 1      0.00 114.00
## - bmi4.1                 1      0.00 114.00
## - lvedpm.1               1      0.00 114.00
## - anemiapre.1            1      0.00 114.00
## - iabpintra.1            1      0.00 114.00
## - lof1.1                 1      0.00 114.00
## - cardblood.1            1      0.00 114.00
## - cardcold.1             1      0.00 114.00
## - hotshot.1              1      0.00 114.00
## - aoxcon.1               1      0.00 114.00
## - ultrafilyn.1           1      0.00 114.00
## - cabg.1                 1      0.00 114.00
## - valve.1                1      0.00 114.00
## - gfr60pre.1             1      0.00 114.00
## - fluidprel.1            1      0.00 114.00
## - ptime120.1             1      0.00 114.00
## - heptotl.1              1      0.00 114.00
## - heptot5.1              1      0.00 114.00
## - train                  1      0.00 114.00
## <none>                    0.00 116.00
## - dead.1                  1 851.21 965.21

## Warning: glm.fit: algorithm did not converge

##
## Step: AIC=114
## dead ~ dead.1 + rf_2_r.1 + rf_3_r.1 + sex_r.1 + prcabg_r.1 +
##   copd_r.1 + anydm_r.1 + dm3cat_r.1 + anyvad_r.1 + vad_r.1 +
##   hyper_r.1 + hyperyn_2_r.1 + prptca6_r.1 + lm3cat_r.1 + aortic_insuff_r.1 +
##   aortic_sten_r.1 + chf_nyha_iv_r.1 + chf_nyha_ltiv_r.1 + smoker_r.1 +
##   cvd.1 + htc_m_r.1 + htc_m_d_r.1 + mitral_insuff_r.1 + carotid_sten_r.1 +
##   pvd.1 + tricuspid_insuff_r.1 + bmi_r.1 + bmi_squared_r.1 +
##   novsl_r.1 + readmit_1y_yn_state.1 + anyakin.1 + creatcat.1 +
##   anymssd.1 + lowoutput.1 + bmicat.1 + bmi1.1 + bmi2.1 + bmi3.1 +
##   bmi4.1 + lvedpm.1 + anemiapre.1 + iabpintra.1 + lof1.1 +

```

[illegible]

[illegible]

Warning: glm.fit: algorithm did not converge

Warning: glm.fit: algorithm did not converge

Warning: glm.fit: algorithm did not converge

##	Df	Deviance	AIC
## - rf_2_r.1	1	0.00	112.00
## - rf_3_r.1	1	0.00	112.00
## - sex_r.1	1	0.00	112.00
## - prcabg_r.1	1	0.00	112.00
## - copd_r.1	1	0.00	112.00
## - anydm_r.1	1	0.00	112.00
## - dm3cat_r.1	1	0.00	112.00
## - anyvad_r.1	1	0.00	112.00
## - vad_r.1	1	0.00	112.00
## - hyper_r.1	1	0.00	112.00
## - hyperyn_2_r.1	1	0.00	112.00
## - prptca6_r.1	1	0.00	112.00
## - lm3cat_r.1	1	0.00	112.00
## - aortic_insuff_r.1	1	0.00	112.00
## - aortic_sten_r.1	1	0.00	112.00
## - chf_nyha_iv_r.1	1	0.00	112.00
## - chf_nyha_ltiv_r.1	1	0.00	112.00
## - smoker_r.1	1	0.00	112.00
## - cvd.1	1	0.00	112.00
## - htcn_r.1	1	0.00	112.00
## - htcn_d_r.1	1	0.00	112.00
## - mitral_insuff_r.1	1	0.00	112.00
## - carotid_sten_r.1	1	0.00	112.00
## - pvd.1	1	0.00	112.00
## - tricuspid_insuff_r.1	1	0.00	112.00
## - bmi_r.1	1	0.00	112.00
## - bmi_squared_r.1	1	0.00	112.00
## - novsl_r.1	1	0.00	112.00
## - readmit_1y_yn_state.1	1	0.00	112.00
## - anyakin.1	1	0.00	112.00
## - creatcat.1	1	0.00	112.00
## - anymssd.1	1	0.00	112.00
## - lowoutput.1	1	0.00	112.00
## - bmicat.1	1	0.00	112.00
## - bmi1.1	1	0.00	112.00
## - bmi2.1	1	0.00	112.00
## - bmi3.1	1	0.00	112.00
## - bmi4.1	1	0.00	112.00
## - lvedpm.1	1	0.00	112.00
## - anemiapre.1	1	0.00	112.00
## - iabpintra.1	1	0.00	112.00
## - lof1.1	1	0.00	112.00
## - cardblood.1	1	0.00	112.00
## - cardcold.1	1	0.00	112.00
## - hotshot.1	1	0.00	112.00
## - aoxcon.1	1	0.00	112.00
## - ultrafilyn.1	1	0.00	112.00

```

## - cabg.1                1      0.00 112.00
## - valve.1               1      0.00 112.00
## - gfr60pre.1            1      0.00 112.00
## - fluidprel.1           1      0.00 112.00
## - ptime120.1            1      0.00 112.00
## - heptotl.1             1      0.00 112.00
## - heptot5.1             1      0.00 112.00
## - train                 1      0.00 112.00
## <none>                  0.00 114.00
## - dead.1                1    863.94 975.94

## Warning: glm.fit: algorithm did not converge

##
## Step:  AIC=112
## dead ~ dead.1 + rf_3_r.1 + sex_r.1 + prcabg_r.1 + copd_r.1 +
##      anydm_r.1 + dm3cat_r.1 + anyvad_r.1 + vad_r.1 + hyper_r.1 +
##      hyperyn_2_r.1 + prptca6_r.1 + lm3cat_r.1 + aortic_insuff_r.1 +
##      aortic_sten_r.1 + chf_nyha_iv_r.1 + chf_nyha_ltiv_r.1 + smoker_r.1 +
##      cvd.1 + htcn_r.1 + htcn_d_r.1 + mitral_insuff_r.1 + carotid_sten_r.1 +
##      pvd.1 + tricuspid_insuff_r.1 + bmi_r.1 + bmi_squared_r.1 +
##      novsl_r.1 + readmit_1y_yn_state.1 + anyakin.1 + creatcat.1 +
##      anymssd.1 + lowoutput.1 + bmicat.1 + bmi1.1 + bmi2.1 + bmi3.1 +
##      bmi4.1 + lvedpm.1 + anemiapre.1 + iabpintra.1 + lof1.1 +
##      cardblood.1 + cardcold.1 + hotshot.1 + aoxcon.1 + ultrafilyn.1 +
##      cabg.1 + valve.1 + gfr60pre.1 + fluidprel.1 + ptime120.1 +
##      heptotl.1 + heptot5.1 + train

## Warning: glm.fit: algorithm did not converge

## Warning: glm.fit: algorithm did not converge

## Warning: glm.fit: algorithm did not converge

## Warning: glm.fit: algorithm did not converge

## Warning: glm.fit: algorithm did not converge

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## Warning: glm.fit: algorithm did not converge

## Warning: glm.fit: algorithm did not converge

```

[illegible]

```

## Warning: glm.fit: algorithm did not converge

## Warning: glm.fit: algorithm did not converge

## Warning: glm.fit: algorithm did not converge

## Warning: glm.fit: algorithm did not converge

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## Warning: glm.fit: algorithm did not converge

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##
##           Df Deviance    AIC
## - rf_3_r.1      1      0.00 110.00
## - sex_r.1        1      0.00 110.00
## - prcabg_r.1     1      0.00 110.00
## - copd_r.1       1      0.00 110.00
## - anydm_r.1      1      0.00 110.00
## - dm3cat_r.1     1      0.00 110.00
## - anyvad_r.1     1      0.00 110.00
## - vad_r.1        1      0.00 110.00
## - hyper_r.1      1      0.00 110.00
## - hyperyn_2_r.1  1      0.00 110.00
## - prptca6_r.1    1      0.00 110.00
## - lm3cat_r.1     1      0.00 110.00
## - aortic_insuff_r.1 1      0.00 110.00
## - aortic_sten_r.1 1      0.00 110.00
## - chf_nyha_iv_r.1 1      0.00 110.00
## - chf_nyha_ltiv_r.1 1      0.00 110.00
## - smoker_r.1     1      0.00 110.00
## - cvd.1          1      0.00 110.00
## - htcn_r.1       1      0.00 110.00
## - htcn_d_r.1     1      0.00 110.00
## - mitral_insuff_r.1 1      0.00 110.00
## - carotid_sten_r.1 1      0.00 110.00
## - pvd.1          1      0.00 110.00
## - tricuspid_insuff_r.1 1      0.00 110.00
## - bmi_r.1        1      0.00 110.00
## - bmi_squared_r.1 1      0.00 110.00

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## - novsl_r.1          1      0.00 110.00
## - readmit_1y_yn_state.1 1      0.00 110.00
## - anyakin.1          1      0.00 110.00
## - creatcat.1         1      0.00 110.00
## - anymssd.1          1      0.00 110.00
## - lowoutput.1        1      0.00 110.00
## - bmicat.1           1      0.00 110.00
## - bmi1.1             1      0.00 110.00
## - bmi2.1             1      0.00 110.00
## - bmi3.1             1      0.00 110.00
## - bmi4.1             1      0.00 110.00
## - lvedpm.1           1      0.00 110.00
## - anemiapre.1        1      0.00 110.00
## - iabpintra.1        1      0.00 110.00
## - lof1.1             1      0.00 110.00
## - cardblood.1        1      0.00 110.00
## - cardcold.1         1      0.00 110.00
## - hotshot.1          1      0.00 110.00
## - aoxcon.1           1      0.00 110.00
## - ultrafilyn.1       1      0.00 110.00
## - cabg.1             1      0.00 110.00
## - valve.1            1      0.00 110.00
## - gfr60pre.1         1      0.00 110.00
## - fluidprel.1        1      0.00 110.00
## - ptime120.1         1      0.00 110.00
## - heptotl.1          1      0.00 110.00
## - heptot5.1          1      0.00 110.00
## - train              1      0.00 110.00
## <none>                0.00 112.00
## - dead.1             1 866.62 976.62

## Warning: glm.fit: algorithm did not converge

##
## Step: AIC=110
## dead ~ dead.1 + sex_r.1 + prcabg_r.1 + copd_r.1 + anydm_r.1 +
##      dm3cat_r.1 + anyvad_r.1 + vad_r.1 + hyper_r.1 + hyperyn_2_r.1 +
##      prptca6_r.1 + lm3cat_r.1 + aortic_insuff_r.1 + aortic_sten_r.1 +
##      chf_nyha_iv_r.1 + chf_nyha_ltiv_r.1 + smoker_r.1 + cvd.1 +
##      htc_m_r.1 + htc_m_d_r.1 + mitral_insuff_r.1 + carotid_sten_r.1 +
##      pvd.1 + tricuspid_insuff_r.1 + bmi_r.1 + bmi_squared_r.1 +
##      novsl_r.1 + readmit_1y_yn_state.1 + anyakin.1 + creatcat.1 +
##      anymssd.1 + lowoutput.1 + bmicat.1 + bmi1.1 + bmi2.1 + bmi3.1 +
##      bmi4.1 + lvedpm.1 + anemiapre.1 + iabpintra.1 + lof1.1 +
##      cardblood.1 + cardcold.1 + hotshot.1 + aoxcon.1 + ultrafilyn.1 +
##      cabg.1 + valve.1 + gfr60pre.1 + fluidprel.1 + ptime120.1 +
##      heptotl.1 + heptot5.1 + train

## Warning: glm.fit: algorithm did not converge

## Warning: glm.fit: algorithm did not converge

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## Warning: glm.fit: algorithm did not converge

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## - hyperyn_2_r.1      1      0.00 108.00
## - prptca6_r.1        1      0.00 108.00
## - lm3cat_r.1         1      0.00 108.00
## - aortic_insuff_r.1  1      0.00 108.00
## - aortic_sten_r.1    1      0.00 108.00
## - chf_nyha_iv_r.1    1      0.00 108.00
## - chf_nyha_ltiv_r.1  1      0.00 108.00
## - smoker_r.1         1      0.00 108.00
## - cvd.1              1      0.00 108.00
## - htcn_r.1           1      0.00 108.00
## - htcn_d_r.1         1      0.00 108.00
## - mitral_insuff_r.1  1      0.00 108.00
## - carotid_sten_r.1   1      0.00 108.00
## - pvd.1              1      0.00 108.00
## - tricuspid_insuff_r.1 1      0.00 108.00
## - bmi_r.1            1      0.00 108.00
## - bmi_squared_r.1    1      0.00 108.00
## - novsl_r.1          1      0.00 108.00
## - readmit_1y_yn_state.1 1      0.00 108.00
## - anyakin.1          1      0.00 108.00
## - creatcat.1         1      0.00 108.00
## - anymssd.1          1      0.00 108.00
## - lowoutput.1        1      0.00 108.00
## - bmicat.1           1      0.00 108.00
## - bmi1.1             1      0.00 108.00
## - bmi2.1             1      0.00 108.00
## - bmi3.1             1      0.00 108.00
## - bmi4.1             1      0.00 108.00
## - lvedpm.1           1      0.00 108.00
## - anemiapre.1        1      0.00 108.00
## - iabpintra.1        1      0.00 108.00
## - lof1.1             1      0.00 108.00
## - cardblood.1        1      0.00 108.00
## - cardcold.1         1      0.00 108.00
## - hotshot.1          1      0.00 108.00
## - aoxcon.1           1      0.00 108.00
## - ultrafilyn.1       1      0.00 108.00
## - cabg.1             1      0.00 108.00
## - valve.1            1      0.00 108.00
## - gfr60pre.1         1      0.00 108.00
## - fluidprel.1        1      0.00 108.00
## - ptime120.1         1      0.00 108.00
## - heptotl.1          1      0.00 108.00
## - heptot5.1          1      0.00 108.00
## - train              1      0.00 108.00
## <none>                0.00 110.00
## - dead.1             1      866.72 974.72

## Warning: glm.fit: algorithm did not converge

##
## Step: AIC=108
## dead ~ dead.1 + prcabg_r.1 + copd_r.1 + anydm_r.1 + dm3cat_r.1 +
##      anyvad_r.1 + vad_r.1 + hyper_r.1 + hyperyn_2_r.1 + prptca6_r.1 +
##      lm3cat_r.1 + aortic_insuff_r.1 + aortic_sten_r.1 + chf_nyha_iv_r.1 +

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## chf_nyha_ltiv_r.1 + smoker_r.1 + cvd.1 + htc_m_r.1 + htc_m_d_r.1 +
## mitral_insuff_r.1 + carotid_sten_r.1 + pvd.1 + tricuspid_insuff_r.1 +
## bmi_r.1 + bmi_squared_r.1 + novsl_r.1 + readmit_1y_yn_state.1 +
## anyakin.1 + creatcat.1 + anymssd.1 + lowoutput.1 + bmicat.1 +
## bmi1.1 + bmi2.1 + bmi3.1 + bmi4.1 + lvedpm.1 + anemiapre.1 +
## iabpintra.1 + lof1.1 + cardblood.1 + cardcold.1 + hotshot.1 +
## aoxcon.1 + ultrafilyn.1 + cabg.1 + valve.1 + gfr60pre.1 +
## fluidprel.1 + ptime120.1 + heptotl.1 + heptot5.1 + train
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## Warning: glm.fit: algorithm did not converge
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## Warning: glm.fit: algorithm did not converge
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## Warning: glm.fit: algorithm did not converge
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## Warning: glm.fit: algorithm did not converge
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## Warning: glm.fit: algorithm did not converge
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## Warning: glm.fit: algorithm did not converge
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Warning: glm.fit: algorithm did not converge

Warning: glm.fit: algorithm did not converge

##	Df	Deviance	AIC
## - prcabg_r.1	1	0.00	106.00
## - copd_r.1	1	0.00	106.00
## - anydm_r.1	1	0.00	106.00
## - dm3cat_r.1	1	0.00	106.00
## - anyvad_r.1	1	0.00	106.00
## - vad_r.1	1	0.00	106.00
## - hyper_r.1	1	0.00	106.00
## - hyperyn_2_r.1	1	0.00	106.00
## - prptca6_r.1	1	0.00	106.00
## - lm3cat_r.1	1	0.00	106.00
## - aortic_insuff_r.1	1	0.00	106.00
## - aortic_sten_r.1	1	0.00	106.00
## - chf_nyha_iv_r.1	1	0.00	106.00
## - chf_nyha_ltiv_r.1	1	0.00	106.00
## - smoker_r.1	1	0.00	106.00
## - cvd.1	1	0.00	106.00
## - htcn_r.1	1	0.00	106.00
## - htcn_d_r.1	1	0.00	106.00
## - mitral_insuff_r.1	1	0.00	106.00
## - carotid_sten_r.1	1	0.00	106.00
## - pvd.1	1	0.00	106.00
## - tricuspid_insuff_r.1	1	0.00	106.00
## - bmi_r.1	1	0.00	106.00
## - bmi_squared_r.1	1	0.00	106.00
## - novsl_r.1	1	0.00	106.00
## - readmit_1y_yn_state.1	1	0.00	106.00
## - anyakin.1	1	0.00	106.00
## - creatcat.1	1	0.00	106.00
## - anymssd.1	1	0.00	106.00
## - lowoutput.1	1	0.00	106.00
## - bmicat.1	1	0.00	106.00
## - bmi1.1	1	0.00	106.00
## - bmi2.1	1	0.00	106.00
## - bmi3.1	1	0.00	106.00
## - bmi4.1	1	0.00	106.00
## - lvedpm.1	1	0.00	106.00
## - anemiapre.1	1	0.00	106.00
## - iabpintra.1	1	0.00	106.00
## - lof1.1	1	0.00	106.00
## - cardblood.1	1	0.00	106.00
## - cardcold.1	1	0.00	106.00
## - hotshot.1	1	0.00	106.00
## - aoxcon.1	1	0.00	106.00
## - ultrafilyn.1	1	0.00	106.00
## - cabg.1	1	0.00	106.00
## - valve.1	1	0.00	106.00
## - gfr60pre.1	1	0.00	106.00
## - fluidprel.1	1	0.00	106.00

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## - ptime120.1          1      0.00 106.00
## - heptotl.1           1      0.00 106.00
## - heptot5.1           1      0.00 106.00
## - train               1      0.00 106.00
## <none>                 0.00 108.00
## - dead.1              1 866.72 972.72

## Warning: glm.fit: algorithm did not converge

##
## Step: AIC=106
## dead ~ dead.1 + copd_r.1 + anydm_r.1 + dm3cat_r.1 + anyvad_r.1 +
##      vad_r.1 + hyper_r.1 + hyperyn_2_r.1 + prptca6_r.1 + lm3cat_r.1 +
##      aortic_insuff_r.1 + aortic_sten_r.1 + chf_nyha_iv_r.1 + chf_nyha_ltiv_r.1 +
##      smoker_r.1 + cvd.1 + htcn_r.1 + htcn_d_r.1 + mitral_insuff_r.1 +
##      carotid_sten_r.1 + pvd.1 + tricuspid_insuff_r.1 + bmi_r.1 +
##      bmi_squared_r.1 + novsl_r.1 + readmit_1y_yn_state.1 + anyakin.1 +
##      creatcat.1 + anymssd.1 + lowoutput.1 + bmicat.1 + bmi1.1 +
##      bmi2.1 + bmi3.1 + bmi4.1 + lvedpm.1 + anemiapre.1 + iabpintra.1 +
##      lof1.1 + cardblood.1 + cardcold.1 + hotshot.1 + aoxcon.1 +
##      ultrafilyln.1 + cabg.1 + valve.1 + gfr60pre.1 + fluidprel.1 +
##      ptime120.1 + heptotl.1 + heptot5.1 + train

## Warning: glm.fit: algorithm did not converge

## Warning: glm.fit: algorithm did not converge

## Warning: glm.fit: algorithm did not converge

## Warning: glm.fit: algorithm did not converge

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## Warning: glm.fit: algorithm did not converge

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## Warning: glm.fit: algorithm did not converge

## Warning: glm.fit: algorithm did not converge

## Warning: glm.fit: algorithm did not converge

##
##           Df Deviance    AIC
## - copd_r.1      1      0.00 104.00
## - anydm_r.1      1      0.00 104.00
## - dm3cat_r.1      1      0.00 104.00
## - anyvad_r.1      1      0.00 104.00
## - vad_r.1        1      0.00 104.00
## - hyper_r.1      1      0.00 104.00
## - hyperyn_2_r.1  1      0.00 104.00
## - prptca6_r.1    1      0.00 104.00
## - lm3cat_r.1     1      0.00 104.00
## - aortic_insuff_r.1 1      0.00 104.00
## - aortic_sten_r.1 1      0.00 104.00
## - chf_nyha_iv_r.1 1      0.00 104.00
## - chf_nyha_ltiv_r.1 1      0.00 104.00
## - smoker_r.1     1      0.00 104.00
## - cvd.1          1      0.00 104.00
## - htcn_r.1       1      0.00 104.00
## - htcn_d_r.1     1      0.00 104.00
## - mitral_insuff_r.1 1      0.00 104.00
## - carotid_sten_r.1 1      0.00 104.00
## - pvd.1          1      0.00 104.00
## - tricuspid_insuff_r.1 1      0.00 104.00
## - bmi_r.1        1      0.00 104.00
## - bmi_squared_r.1 1      0.00 104.00
## - novsl_r.1      1      0.00 104.00
## - readmit_1y_yn_state.1 1      0.00 104.00
## - anyakin.1      1      0.00 104.00
## - creatcat.1     1      0.00 104.00
## - anymssd.1      1      0.00 104.00
## - lowoutput.1    1      0.00 104.00
## - bmicat.1       1      0.00 104.00
## - bmi1.1         1      0.00 104.00
## - bmi2.1         1      0.00 104.00
## - bmi3.1         1      0.00 104.00
## - bmi4.1         1      0.00 104.00
## - lvedpm.1       1      0.00 104.00
## - anemiapre.1    1      0.00 104.00
## - iabpintra.1    1      0.00 104.00

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## - lof1.1                1      0.00 104.00
## - cardblood.1           1      0.00 104.00
## - cardcold.1            1      0.00 104.00
## - hotshot.1             1      0.00 104.00
## - aoxcon.1              1      0.00 104.00
## - ultrafilyn.1          1      0.00 104.00
## - cabg.1                1      0.00 104.00
## - valve.1               1      0.00 104.00
## - gfr60pre.1            1      0.00 104.00
## - fluidprel.1           1      0.00 104.00
## - ptime120.1            1      0.00 104.00
## - heptotl.1             1      0.00 104.00
## - heptot5.1             1      0.00 104.00
## - train                 1      0.00 104.00
## <none>                  0.00 106.00
## - dead.1                1    867.12 971.12

## Warning: glm.fit: algorithm did not converge

##
## Step:  AIC=104
## dead ~ dead.1 + anydm_r.1 + dm3cat_r.1 + anyvad_r.1 + vad_r.1 +
##   hyper_r.1 + hyperyn_2_r.1 + prptca6_r.1 + lm3cat_r.1 + aortic_insuff_r.1 +
##   aortic_sten_r.1 + chf_nyha_iv_r.1 + chf_nyha_ltiv_r.1 + smoker_r.1 +
##   cvd.1 + htcn_r.1 + htcn_d_r.1 + mitral_insuff_r.1 + carotid_sten_r.1 +
##   pvd.1 + tricuspid_insuff_r.1 + bmi_r.1 + bmi_squared_r.1 +
##   novsl_r.1 + readmit_1y_yn_state.1 + anyakin.1 + creatcat.1 +
##   anymssd.1 + lowoutput.1 + bmicat.1 + bmi1.1 + bmi2.1 + bmi3.1 +
##   bmi4.1 + lvedpm.1 + anemiapre.1 + iabpintra.1 + lof1.1 +
##   cardblood.1 + cardcold.1 + hotshot.1 + aoxcon.1 + ultrafilyn.1 +
##   cabg.1 + valve.1 + gfr60pre.1 + fluidprel.1 + ptime120.1 +
##   heptotl.1 + heptot5.1 + train

## Warning: glm.fit: algorithm did not converge

## Warning: glm.fit: algorithm did not converge

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[illegible]


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## Warning: glm.fit: algorithm did not converge
## Warning: glm.fit: algorithm did not converge
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## Warning: glm.fit: algorithm did not converge
## Warning: glm.fit: algorithm did not converge
## Warning: glm.fit: algorithm did not converge
## Warning: glm.fit: algorithm did not converge
## Warning: glm.fit: algorithm did not converge
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##	Df	Deviance	AIC
## - anydm_r.1	1	0.00	102.00
## - dm3cat_r.1	1	0.00	102.00
## - anyvad_r.1	1	0.00	102.00
## - vad_r.1	1	0.00	102.00
## - hyper_r.1	1	0.00	102.00
## - hyperyn_2_r.1	1	0.00	102.00
## - prptca6_r.1	1	0.00	102.00
## - lm3cat_r.1	1	0.00	102.00
## - aortic_insuff_r.1	1	0.00	102.00
## - aortic_sten_r.1	1	0.00	102.00
## - chf_nyha_iv_r.1	1	0.00	102.00
## - chf_nyha_ltiv_r.1	1	0.00	102.00
## - smoker_r.1	1	0.00	102.00
## - cvd.1	1	0.00	102.00
## - htcn_r.1	1	0.00	102.00
## - htcn_d_r.1	1	0.00	102.00
## - mitral_insuff_r.1	1	0.00	102.00
## - carotid_sten_r.1	1	0.00	102.00
## - pvd.1	1	0.00	102.00
## - tricuspid_insuff_r.1	1	0.00	102.00
## - bmi_r.1	1	0.00	102.00
## - bmi_squared_r.1	1	0.00	102.00
## - novsl_r.1	1	0.00	102.00
## - readmit_1y_yn_state.1	1	0.00	102.00
## - anyakin.1	1	0.00	102.00
## - creatcat.1	1	0.00	102.00
## - anymssd.1	1	0.00	102.00
## - lowoutput.1	1	0.00	102.00
## - bmicat.1	1	0.00	102.00

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## - bmi1.1                1      0.00 102.00
## - bmi2.1                1      0.00 102.00
## - bmi3.1                1      0.00 102.00
## - bmi4.1                1      0.00 102.00
## - lvedpm.1              1      0.00 102.00
## - anemiapre.1           1      0.00 102.00
## - iabpintra.1           1      0.00 102.00
## - lof1.1                1      0.00 102.00
## - cardblood.1           1      0.00 102.00
## - cardcold.1            1      0.00 102.00
## - hotshot.1             1      0.00 102.00
## - aoxcon.1              1      0.00 102.00
## - ultrafilyn.1          1      0.00 102.00
## - cabg.1                1      0.00 102.00
## - valve.1               1      0.00 102.00
## - gfr60pre.1            1      0.00 102.00
## - fluidprel.1           1      0.00 102.00
## - ptime120.1            1      0.00 102.00
## - heptotl.1             1      0.00 102.00
## - heptot5.1             1      0.00 102.00
## - train                 1      0.00 102.00
## <none>                  0.00 104.00
## - dead.1                1    871.18 973.18

## Warning: glm.fit: algorithm did not converge

##
## Step:  AIC=102
## dead ~ dead.1 + dm3cat_r.1 + anyvad_r.1 + vad_r.1 + hyper_r.1 +
##   hyperyn_2_r.1 + prptca6_r.1 + lm3cat_r.1 + aortic_insuff_r.1 +
##   aortic_sten_r.1 + chf_nyha_iv_r.1 + chf_nyha_ltiv_r.1 + smoker_r.1 +
##   cvd.1 + htcn_r.1 + htcn_d_r.1 + mitral_insuff_r.1 + carotid_sten_r.1 +
##   pvd.1 + tricuspid_insuff_r.1 + bmi_r.1 + bmi_squared_r.1 +
##   novsl_r.1 + readmit_1y_yn_state.1 + anyakin.1 + creatcat.1 +
##   anymssd.1 + lowoutput.1 + bmicat.1 + bmi1.1 + bmi2.1 + bmi3.1 +
##   bmi4.1 + lvedpm.1 + anemiapre.1 + iabpintra.1 + lof1.1 +
##   cardblood.1 + cardcold.1 + hotshot.1 + aoxcon.1 + ultrafilyn.1 +
##   cabg.1 + valve.1 + gfr60pre.1 + fluidprel.1 + ptime120.1 +
##   heptotl.1 + heptot5.1 + train

## Warning: glm.fit: algorithm did not converge

## Warning: glm.fit: algorithm did not converge

## Warning: glm.fit: algorithm did not converge

## Warning: glm.fit: algorithm did not converge

## Warning: glm.fit: algorithm did not converge

## Warning: glm.fit: algorithm did not converge

## Warning: glm.fit: algorithm did not converge

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## Warning: glm.fit: algorithm did not converge

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## Warning: glm.fit: algorithm did not converge

## Warning: glm.fit: algorithm did not converge

## Warning: glm.fit: algorithm did not converge

## Warning: glm.fit: algorithm did not converge

## Warning: glm.fit: algorithm did not converge

##
##           Df Deviance    AIC
## - dm3cat_r.1      1      0.00 100.00
## - anyvad_r.1      1      0.00 100.00
## - vad_r.1        1      0.00 100.00
## - hyper_r.1      1      0.00 100.00
## - hyperyn_2_r.1  1      0.00 100.00
## - prptca6_r.1    1      0.00 100.00
## - lm3cat_r.1     1      0.00 100.00
## - aortic_insuff_r.1 1      0.00 100.00
## - aortic_sten_r.1 1      0.00 100.00
## - chf_nyha_iv_r.1 1      0.00 100.00
## - chf_nyha_ltiv_r.1 1      0.00 100.00
## - smoker_r.1     1      0.00 100.00
## - cvd.1          1      0.00 100.00
## - htc_m_r.1      1      0.00 100.00
## - htc_m_d_r.1    1      0.00 100.00
## - mitral_insuff_r.1 1      0.00 100.00
## - carotid_sten_r.1 1      0.00 100.00
## - pvd.1          1      0.00 100.00
## - tricuspid_insuff_r.1 1      0.00 100.00
## - bmi_r.1        1      0.00 100.00
## - bmi_squared_r.1 1      0.00 100.00
## - novsl_r.1      1      0.00 100.00
## - readmit_1y_yn_state.1 1      0.00 100.00
## - anyakin.1      1      0.00 100.00

```

```

## - creatcat.1          1      0.00 100.00
## - anymssd.1           1      0.00 100.00
## - lowoutput.1         1      0.00 100.00
## - bmicat.1            1      0.00 100.00
## - bmi1.1              1      0.00 100.00
## - bmi2.1              1      0.00 100.00
## - bmi3.1              1      0.00 100.00
## - bmi4.1              1      0.00 100.00
## - lvedpm.1            1      0.00 100.00
## - anemiapre.1         1      0.00 100.00
## - iabpintra.1         1      0.00 100.00
## - lof1.1              1      0.00 100.00
## - cardblood.1         1      0.00 100.00
## - cardcold.1          1      0.00 100.00
## - hotshot.1           1      0.00 100.00
## - aoxcon.1            1      0.00 100.00
## - ultrafilyn.1        1      0.00 100.00
## - cabg.1              1      0.00 100.00
## - valve.1             1      0.00 100.00
## - gfr60pre.1          1      0.00 100.00
## - fluidprel.1         1      0.00 100.00
## - ptime120.1          1      0.00 100.00
## - heptotl.1           1      0.00 100.00
## - heptot5.1           1      0.00 100.00
## - train                1      0.00 100.00
## <none>                  0.00 102.00
## - dead.1              1    871.93 971.93

## Warning: glm.fit: algorithm did not converge

##
## Step: AIC=100
## dead ~ dead.1 + anyvad_r.1 + vad_r.1 + hyper_r.1 + hyperyn_2_r.1 +
##   prptca6_r.1 + lm3cat_r.1 + aortic_insuff_r.1 + aortic_sten_r.1 +
##   chf_nyha_iv_r.1 + chf_nyha_ltiv_r.1 + smoker_r.1 + cvd.1 +
##   htc_m_r.1 + htc_m_d_r.1 + mitral_insuff_r.1 + carotid_sten_r.1 +
##   pvd.1 + tricuspid_insuff_r.1 + bmi_r.1 + bmi_squared_r.1 +
##   novsl_r.1 + readmit_1y_yn_state.1 + anyakin.1 + creatcat.1 +
##   anymssd.1 + lowoutput.1 + bmicat.1 + bmi1.1 + bmi2.1 + bmi3.1 +
##   bmi4.1 + lvedpm.1 + anemiapre.1 + iabpintra.1 + lof1.1 +
##   cardblood.1 + cardcold.1 + hotshot.1 + aoxcon.1 + ultrafilyn.1 +
##   cabg.1 + valve.1 + gfr60pre.1 + fluidprel.1 + ptime120.1 +
##   heptotl.1 + heptot5.1 + train

## Warning: glm.fit: algorithm did not converge

## Warning: glm.fit: algorithm did not converge

## Warning: glm.fit: algorithm did not converge

## Warning: glm.fit: algorithm did not converge

## Warning: glm.fit: algorithm did not converge

## Warning: glm.fit: algorithm did not converge

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## Warning: glm.fit: algorithm did not converge

## Warning: glm.fit: algorithm did not converge

## Warning: glm.fit: algorithm did not converge

## Warning: glm.fit: algorithm did not converge

## Warning: glm.fit: algorithm did not converge

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## Warning: glm.fit: algorithm did not converge

## Warning: glm.fit: algorithm did not converge

## Warning: glm.fit: algorithm did not converge

## Warning: glm.fit: algorithm did not converge

## Warning: glm.fit: algorithm did not converge

## Warning: glm.fit: algorithm did not converge

## Warning: glm.fit: algorithm did not converge

## Warning: glm.fit: algorithm did not converge

##
##           Df Deviance    AIC
## - anyvad_r.1      1      0.00 98.00
## - vad_r.1         1      0.00 98.00
## - hyper_r.1       1      0.00 98.00
## - hyperyn_2_r.1   1      0.00 98.00
## - prptca6_r.1     1      0.00 98.00
## - lm3cat_r.1      1      0.00 98.00
## - aortic_insuff_r.1 1      0.00 98.00
## - aortic_sten_r.1 1      0.00 98.00
## - chf_nyha_iv_r.1 1      0.00 98.00
## - chf_nyha_ltiv_r.1 1      0.00 98.00
## - smoker_r.1      1      0.00 98.00
## - cvd.1           1      0.00 98.00
## - htcn_r.1        1      0.00 98.00
## - htcn_d_r.1      1      0.00 98.00
## - mitral_insuff_r.1 1      0.00 98.00
## - carotid_sten_r.1 1      0.00 98.00
## - pvd.1           1      0.00 98.00
## - tricuspid_insuff_r.1 1      0.00 98.00
## - bmi_r.1         1      0.00 98.00
## - bmi_squared_r.1 1      0.00 98.00
## - novsl_r.1       1      0.00 98.00
## - readmit_1y_yn_state.1 1      0.00 98.00

```

```

## - anyakin.1          1      0.00  98.00
## - creatcat.1         1      0.00  98.00
## - anymssd.1          1      0.00  98.00
## - lowoutput.1        1      0.00  98.00
## - bmicat.1           1      0.00  98.00
## - bmi1.1             1      0.00  98.00
## - bmi2.1             1      0.00  98.00
## - bmi3.1             1      0.00  98.00
## - bmi4.1             1      0.00  98.00
## - lvedpm.1           1      0.00  98.00
## - anemiapre.1        1      0.00  98.00
## - iabpintra.1        1      0.00  98.00
## - lof1.1             1      0.00  98.00
## - cardblood.1        1      0.00  98.00
## - cardcold.1         1      0.00  98.00
## - hotshot.1          1      0.00  98.00
## - aoxcon.1           1      0.00  98.00
## - ultrafilyn.1       1      0.00  98.00
## - cabg.1             1      0.00  98.00
## - valve.1            1      0.00  98.00
## - gfr60pre.1         1      0.00  98.00
## - fluidprel.1        1      0.00  98.00
## - ptime120.1         1      0.00  98.00
## - heptotl.1          1      0.00  98.00
## - heptot5.1          1      0.00  98.00
## - train              1      0.00  98.00
## <none>                0.00 100.00
## - dead.1             1    884.24 982.24

## Warning: glm.fit: algorithm did not converge

##
## Step:  AIC=98
## dead ~ dead.1 + vad_r.1 + hyper_r.1 + hyperyn_2_r.1 + prptca6_r.1 +
##      lm3cat_r.1 + aortic_insuff_r.1 + aortic_sten_r.1 + chf_nyha_iv_r.1 +
##      chf_nyha_ltiv_r.1 + smoker_r.1 + cvd.1 + htcn_r.1 + htcn_d_r.1 +
##      mitral_insuff_r.1 + carotid_sten_r.1 + pvd.1 + tricuspid_insuff_r.1 +
##      bmi_r.1 + bmi_squared_r.1 + novsl_r.1 + readmit_1y_yn_state.1 +
##      anyakin.1 + creatcat.1 + anymssd.1 + lowoutput.1 + bmicat.1 +
##      bmi1.1 + bmi2.1 + bmi3.1 + bmi4.1 + lvedpm.1 + anemiapre.1 +
##      iabpintra.1 + lof1.1 + cardblood.1 + cardcold.1 + hotshot.1 +
##      aoxcon.1 + ultrafilyn.1 + cabg.1 + valve.1 + gfr60pre.1 +
##      fluidprel.1 + ptime120.1 + heptotl.1 + heptot5.1 + train

## Warning: glm.fit: algorithm did not converge

## Warning: glm.fit: algorithm did not converge

## Warning: glm.fit: algorithm did not converge

## Warning: glm.fit: algorithm did not converge

## Warning: glm.fit: algorithm did not converge

## Warning: glm.fit: algorithm did not converge

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[illegible]

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## Warning: glm.fit: algorithm did not converge

## Warning: glm.fit: algorithm did not converge

## Warning: glm.fit: algorithm did not converge

## Warning: glm.fit: algorithm did not converge

## Warning: glm.fit: algorithm did not converge

## Warning: glm.fit: algorithm did not converge

## Warning: glm.fit: algorithm did not converge

## Warning: glm.fit: algorithm did not converge

## Warning: glm.fit: algorithm did not converge

## Warning: glm.fit: algorithm did not converge

## Warning: glm.fit: algorithm did not converge

## Warning: glm.fit: algorithm did not converge

## Warning: glm.fit: algorithm did not converge

##
##           Df Deviance    AIC
## - vad_r.1      1      0.00 96.00
## - hyper_r.1     1      0.00 96.00
## - hyperyn_2_r.1 1      0.00 96.00
## - prptca6_r.1   1      0.00 96.00
## - lm3cat_r.1    1      0.00 96.00
## - aortic_insuff_r.1 1      0.00 96.00
## - aortic_sten_r.1 1      0.00 96.00
## - chf_nyha_iv_r.1 1      0.00 96.00
## - chf_nyha_ltiv_r.1 1      0.00 96.00
## - smoker_r.1    1      0.00 96.00
## - cvd.1         1      0.00 96.00
## - htc_m_r.1     1      0.00 96.00
## - htc_m_d_r.1   1      0.00 96.00
## - mitral_insuff_r.1 1      0.00 96.00
## - carotid_sten_r.1 1      0.00 96.00
## - pvd.1         1      0.00 96.00
## - tricuspid_insuff_r.1 1      0.00 96.00
## - bmi_r.1       1      0.00 96.00
## - bmi_squared_r.1 1      0.00 96.00
## - novsl_r.1     1      0.00 96.00
## - readmit_1y_yn_state.1 1      0.00 96.00
## - anyakin.1     1      0.00 96.00
## - creatcat.1    1      0.00 96.00
## - anymssd.1     1      0.00 96.00

```

```

## - lowoutput.1      1      0.00 96.00
## - bmicat.1         1      0.00 96.00
## - bmi1.1           1      0.00 96.00
## - bmi2.1           1      0.00 96.00
## - bmi3.1           1      0.00 96.00
## - bmi4.1           1      0.00 96.00
## - lvedpm.1         1      0.00 96.00
## - anemiapre.1      1      0.00 96.00
## - iabpintra.1      1      0.00 96.00
## - lof1.1           1      0.00 96.00
## - cardblood.1      1      0.00 96.00
## - cardcold.1       1      0.00 96.00
## - hotshot.1        1      0.00 96.00
## - aoxcon.1         1      0.00 96.00
## - ultrafilyn.1     1      0.00 96.00
## - cabg.1           1      0.00 96.00
## - valve.1          1      0.00 96.00
## - gfr60pre.1       1      0.00 96.00
## - fluidprel.1      1      0.00 96.00
## - ptime120.1       1      0.00 96.00
## - heptotl.1        1      0.00 96.00
## - heptot5.1        1      0.00 96.00
## - train            1      0.00 96.00
## <none>              0.00 98.00
## - dead.1           1 885.94 981.94

## Warning: glm.fit: algorithm did not converge

##
## Step: AIC=96
## dead ~ dead.1 + hyper_r.1 + hyperyn_2_r.1 + prptca6_r.1 + lm3cat_r.1 +
##   aortic_insuff_r.1 + aortic_sten_r.1 + chf_nyha_iv_r.1 + chf_nyha_ltiv_r.1 +
##   smoker_r.1 + cvd.1 + htcn_r.1 + htcn_d_r.1 + mitral_insuff_r.1 +
##   carotid_sten_r.1 + pvd.1 + tricuspid_insuff_r.1 + bmi_r.1 +
##   bmi_squared_r.1 + novsl_r.1 + readmit_1y_yn_state.1 + anyakin.1 +
##   creatcat.1 + anymssd.1 + lowoutput.1 + bmicat.1 + bmi1.1 +
##   bmi2.1 + bmi3.1 + bmi4.1 + lvedpm.1 + anemiapre.1 + iabpintra.1 +
##   lof1.1 + cardblood.1 + cardcold.1 + hotshot.1 + aoxcon.1 +
##   ultrafilyn.1 + cabg.1 + valve.1 + gfr60pre.1 + fluidprel.1 +
##   ptime120.1 + heptotl.1 + heptot5.1 + train

## Warning: glm.fit: algorithm did not converge

## Warning: glm.fit: algorithm did not converge

## Warning: glm.fit: algorithm did not converge

## Warning: glm.fit: algorithm did not converge

## Warning: glm.fit: algorithm did not converge

## Warning: glm.fit: algorithm did not converge

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[illegible]

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## Warning: glm.fit: algorithm did not converge

## Warning: glm.fit: algorithm did not converge

## Warning: glm.fit: algorithm did not converge

## Warning: glm.fit: algorithm did not converge

## Warning: glm.fit: algorithm did not converge

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## Warning: glm.fit: algorithm did not converge

## Warning: glm.fit: algorithm did not converge

## Warning: glm.fit: algorithm did not converge

## Warning: glm.fit: algorithm did not converge

## Warning: glm.fit: algorithm did not converge

##
##           Df Deviance    AIC
## - hyper_r.1      1      0.00  94.00
## - hyperyn_2_r.1    1      0.00  94.00
## - prptca6_r.1      1      0.00  94.00
## - lm3cat_r.1       1      0.00  94.00
## - aortic_insuff_r.1 1      0.00  94.00
## - aortic_sten_r.1  1      0.00  94.00
## - chf_nyha_iv_r.1  1      0.00  94.00
## - chf_nyha_ltiv_r.1 1      0.00  94.00
## - smoker_r.1       1      0.00  94.00
## - cvd.1            1      0.00  94.00
## - htcn_r.1         1      0.00  94.00
## - htcn_d_r.1       1      0.00  94.00
## - mitral_insuff_r.1 1      0.00  94.00
## - carotid_sten_r.1 1      0.00  94.00
## - pvd.1            1      0.00  94.00
## - tricuspid_insuff_r.1 1      0.00  94.00
## - bmi_r.1          1      0.00  94.00
## - bmi_squared_r.1  1      0.00  94.00
## - novsl_r.1        1      0.00  94.00
## - readmit_1y_yn_state.1 1      0.00  94.00
## - anyakin.1        1      0.00  94.00
## - creatcat.1       1      0.00  94.00
## - anymssd.1        1      0.00  94.00
## - lowoutput.1      1      0.00  94.00
## - bmicat.1         1      0.00  94.00
## - bmi1.1           1      0.00  94.00
## - bmi2.1           1      0.00  94.00
## - bmi3.1           1      0.00  94.00
## - bmi4.1           1      0.00  94.00

```

```

## - lvedpm.1          1      0.00  94.00
## - anemiapre.1       1      0.00  94.00
## - iabpintra.1       1      0.00  94.00
## - lof1.1            1      0.00  94.00
## - cardblood.1       1      0.00  94.00
## - cardcold.1        1      0.00  94.00
## - hotshot.1         1      0.00  94.00
## - aoxcon.1          1      0.00  94.00
## - ultrafilyn.1      1      0.00  94.00
## - cabg.1            1      0.00  94.00
## - valve.1           1      0.00  94.00
## - gfr60pre.1        1      0.00  94.00
## - fluidprel.1       1      0.00  94.00
## - ptime120.1        1      0.00  94.00
## - heptotl.1         1      0.00  94.00
## - heptot5.1         1      0.00  94.00
## - train             1      0.00  94.00
## <none>              0.00  96.00
## - dead.1            1  889.79 983.79

## Warning: glm.fit: algorithm did not converge

##
## Step:  AIC=94
## dead ~ dead.1 + hyperyn_2_r.1 + prptca6_r.1 + lm3cat_r.1 + aortic_insuff_r.1 +
##      aortic_sten_r.1 + chf_nyha_iv_r.1 + chf_nyha_ltiv_r.1 + smoker_r.1 +
##      cvd.1 + htcn_r.1 + htcn_d_r.1 + mitral_insuff_r.1 + carotid_sten_r.1 +
##      pvd.1 + tricuspid_insuff_r.1 + bmi_r.1 + bmi_squared_r.1 +
##      novsl_r.1 + readmit_1y_yn_state.1 + anyakin.1 + creatcat.1 +
##      anymssd.1 + lowoutput.1 + bmicat.1 + bmi1.1 + bmi2.1 + bmi3.1 +
##      bmi4.1 + lvedpm.1 + anemiapre.1 + iabpintra.1 + lof1.1 +
##      cardblood.1 + cardcold.1 + hotshot.1 + aoxcon.1 + ultrafilyn.1 +
##      cabg.1 + valve.1 + gfr60pre.1 + fluidprel.1 + ptime120.1 +
##      heptotl.1 + heptot5.1 + train

## Warning: glm.fit: algorithm did not converge

## Warning: glm.fit: algorithm did not converge

## Warning: glm.fit: algorithm did not converge

## Warning: glm.fit: algorithm did not converge

## Warning: glm.fit: algorithm did not converge

## Warning: glm.fit: algorithm did not converge

## Warning: glm.fit: algorithm did not converge

## Warning: glm.fit: algorithm did not converge

## Warning: glm.fit: algorithm did not converge

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[illegible]

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## Warning: glm.fit: algorithm did not converge

## Warning: glm.fit: algorithm did not converge

## Warning: glm.fit: algorithm did not converge

## Warning: glm.fit: algorithm did not converge

## Warning: glm.fit: algorithm did not converge

## Warning: glm.fit: algorithm did not converge

## Warning: glm.fit: algorithm did not converge

## Warning: glm.fit: algorithm did not converge

##
##      Df Deviance   AIC
## - hyperyn_2_r.1      1      0.0 92.0
## - prptca6_r.1        1      0.0 92.0
## - lm3cat_r.1         1      0.0 92.0
## - aortic_insuff_r.1   1      0.0 92.0
## - aortic_sten_r.1     1      0.0 92.0
## - chf_nyha_iv_r.1     1      0.0 92.0
## - chf_nyha_ltiv_r.1   1      0.0 92.0
## - smoker_r.1         1      0.0 92.0
## - cvd.1              1      0.0 92.0
## - htcn_r.1           1      0.0 92.0
## - htcn_d_r.1         1      0.0 92.0
## - mitral_insuff_r.1   1      0.0 92.0
## - carotid_sten_r.1    1      0.0 92.0
## - pvd.1              1      0.0 92.0
## - tricuspid_insuff_r.1 1      0.0 92.0
## - bmi_r.1            1      0.0 92.0
## - bmi_squared_r.1     1      0.0 92.0
## - novsl_r.1          1      0.0 92.0
## - readmit_1y_yn_state.1 1      0.0 92.0
## - anyakin.1          1      0.0 92.0
## - creatcat.1         1      0.0 92.0
## - anymssd.1          1      0.0 92.0
## - lowoutput.1        1      0.0 92.0
## - bmicat.1           1      0.0 92.0
## - bmi1.1             1      0.0 92.0
## - bmi2.1             1      0.0 92.0
## - bmi3.1             1      0.0 92.0
## - bmi4.1             1      0.0 92.0
## - lvedpm.1           1      0.0 92.0
## - anemiapre.1        1      0.0 92.0
## - iabpintra.1        1      0.0 92.0
## - lof1.1             1      0.0 92.0
## - cardblood.1        1      0.0 92.0
## - cardcold.1         1      0.0 92.0
## - hotshot.1          1      0.0 92.0
## - aoxcon.1           1      0.0 92.0
## - ultrafilyn.1       1      0.0 92.0

```



```

## - cabg.1          1      0.0  92.0
## - valve.1         1      0.0  92.0
## - gfr60pre.1      1      0.0  92.0
## - fluidprel.1     1      0.0  92.0
## - ptime120.1      1      0.0  92.0
## - heptotl.1       1      0.0  92.0
## - heptot5.1       1      0.0  92.0
## - train           1      0.0  92.0
## <none>             0.0  94.0
## - dead.1          1    890.8 982.8

## Warning: glm.fit: algorithm did not converge

##
## Step:  AIC=92
## dead ~ dead.1 + prptca6_r.1 + lm3cat_r.1 + aortic_insuff_r.1 +
##      aortic_sten_r.1 + chf_nyha_iv_r.1 + chf_nyha_ltiv_r.1 + smoker_r.1 +
##      cvd.1 + htc_m_r.1 + htc_m_d_r.1 + mitral_insuff_r.1 + carotid_sten_r.1 +
##      pvd.1 + tricuspid_insuff_r.1 + bmi_r.1 + bmi_squared_r.1 +
##      novsl_r.1 + readmit_1y_yn_state.1 + anyakin.1 + creatcat.1 +
##      anymssd.1 + lowoutput.1 + bmicat.1 + bmi1.1 + bmi2.1 + bmi3.1 +
##      bmi4.1 + lvedpm.1 + anemiapre.1 + iabpintra.1 + lof1.1 +
##      cardblood.1 + cardcold.1 + hotshot.1 + aoxcon.1 + ultrafilyn.1 +
##      cabg.1 + valve.1 + gfr60pre.1 + fluidprel.1 + ptime120.1 +
##      heptotl.1 + heptot5.1 + train

## Warning: glm.fit: algorithm did not converge

## Warning: glm.fit: algorithm did not converge

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## Warning: glm.fit: algorithm did not converge

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## Warning: glm.fit: algorithm did not converge

## Warning: glm.fit: algorithm did not converge

```

[illegible]

Warning: glm.fit: algorithm did not converge

Warning: glm.fit: algorithm did not converge

##	Df	Deviance	AIC
## - prptca6_r.1	1	0.0	90.0
## - lm3cat_r.1	1	0.0	90.0
## - aortic_insuff_r.1	1	0.0	90.0
## - aortic_sten_r.1	1	0.0	90.0
## - chf_nyha_iv_r.1	1	0.0	90.0
## - chf_nyha_ltiv_r.1	1	0.0	90.0
## - smoker_r.1	1	0.0	90.0
## - cvd.1	1	0.0	90.0
## - htcn_r.1	1	0.0	90.0
## - htcn_d_r.1	1	0.0	90.0
## - mitral_insuff_r.1	1	0.0	90.0
## - carotid_sten_r.1	1	0.0	90.0
## - pvd.1	1	0.0	90.0
## - tricuspid_insuff_r.1	1	0.0	90.0
## - bmi_r.1	1	0.0	90.0
## - bmi_squared_r.1	1	0.0	90.0
## - novsl_r.1	1	0.0	90.0
## - readmit_1y_yn_state.1	1	0.0	90.0
## - anyakin.1	1	0.0	90.0
## - creatcat.1	1	0.0	90.0
## - anymssd.1	1	0.0	90.0
## - lowoutput.1	1	0.0	90.0
## - bmicat.1	1	0.0	90.0
## - bmi1.1	1	0.0	90.0
## - bmi2.1	1	0.0	90.0
## - bmi3.1	1	0.0	90.0
## - bmi4.1	1	0.0	90.0
## - lvedpm.1	1	0.0	90.0
## - anemiapre.1	1	0.0	90.0
## - iabpintra.1	1	0.0	90.0
## - lof1.1	1	0.0	90.0
## - cardblood.1	1	0.0	90.0
## - cardcold.1	1	0.0	90.0
## - hotshot.1	1	0.0	90.0
## - aoxcon.1	1	0.0	90.0
## - ultrafilyn.1	1	0.0	90.0
## - cabg.1	1	0.0	90.0
## - valve.1	1	0.0	90.0
## - gfr60pre.1	1	0.0	90.0
## - fluidprel.1	1	0.0	90.0
## - ptime120.1	1	0.0	90.0
## - heptotl.1	1	0.0	90.0
## - heptot5.1	1	0.0	90.0
## - train	1	0.0	90.0
## <none>		0.0	92.0
## - dead.1	1	890.8	980.8

Warning: glm.fit: algorithm did not converge


```

## - htc_m_d_r.1          1      0.00 88.00
## - mitral_insuff_r.1    1      0.00 88.00
## - carotid_sten_r.1     1      0.00 88.00
## - pvd.1                1      0.00 88.00
## - tricuspid_insuff_r.1 1      0.00 88.00
## - bmi_r.1              1      0.00 88.00
## - bmi_squared_r.1      1      0.00 88.00
## - novsl_r.1            1      0.00 88.00
## - readmit_1y_yn_state.1 1      0.00 88.00
## - anyakin.1            1      0.00 88.00
## - creatcat.1           1      0.00 88.00
## - anymssd.1            1      0.00 88.00
## - lowoutput.1          1      0.00 88.00
## - bmicat.1             1      0.00 88.00
## - bmi1.1               1      0.00 88.00
## - bmi2.1               1      0.00 88.00
## - bmi3.1               1      0.00 88.00
## - bmi4.1               1      0.00 88.00
## - lvedpm.1             1      0.00 88.00
## - anemiapre.1          1      0.00 88.00
## - iabpintra.1          1      0.00 88.00
## - lof1.1               1      0.00 88.00
## - cardblood.1          1      0.00 88.00
## - cardcold.1           1      0.00 88.00
## - hotshot.1            1      0.00 88.00
## - aoxcon.1             1      0.00 88.00
## - ultrafilyn.1         1      0.00 88.00
## - cabg.1               1      0.00 88.00
## - valve.1              1      0.00 88.00
## - gfr60pre.1           1      0.00 88.00
## - fluidprel.1          1      0.00 88.00
## - ptime120.1           1      0.00 88.00
## - heptotl.1            1      0.00 88.00
## - heptot5.1            1      0.00 88.00
## - train                1      0.00 88.00
## <none>                  0.00 90.00
## - dead.1               1 890.85 978.85

## Warning: glm.fit: algorithm did not converge

##
## Step: AIC=88
## dead ~ dead.1 + aortic_insuff_r.1 + aortic_sten_r.1 + chf_nyha_iv_r.1 +
##   chf_nyha_ltiv_r.1 + smoker_r.1 + cvd.1 + htc_m_r.1 + htc_m_d_r.1 +
##   mitral_insuff_r.1 + carotid_sten_r.1 + pvd.1 + tricuspid_insuff_r.1 +
##   bmi_r.1 + bmi_squared_r.1 + novsl_r.1 + readmit_1y_yn_state.1 +
##   anyakin.1 + creatcat.1 + anymssd.1 + lowoutput.1 + bmicat.1 +
##   bmi1.1 + bmi2.1 + bmi3.1 + bmi4.1 + lvedpm.1 + anemiapre.1 +
##   iabpintra.1 + lof1.1 + cardblood.1 + cardcold.1 + hotshot.1 +
##   aoxcon.1 + ultrafilyn.1 + cabg.1 + valve.1 + gfr60pre.1 +
##   fluidprel.1 + ptime120.1 + heptotl.1 + heptot5.1 + train

## Warning: glm.fit: algorithm did not converge

## Warning: glm.fit: algorithm did not converge

```

[illegible]

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## Warning: glm.fit: algorithm did not converge

## Warning: glm.fit: algorithm did not converge

## Warning: glm.fit: algorithm did not converge

## Warning: glm.fit: algorithm did not converge

## Warning: glm.fit: algorithm did not converge

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## Warning: glm.fit: algorithm did not converge

## Warning: glm.fit: algorithm did not converge

## Warning: glm.fit: algorithm did not converge

## Warning: glm.fit: algorithm did not converge

## Warning: glm.fit: algorithm did not converge

##
##           Df Deviance    AIC
## - aortic_insuff_r.1      1      0.00  86.00
## - aortic_sten_r.1        1      0.00  86.00
## - chf_nyha_iv_r.1        1      0.00  86.00
## - chf_nyha_ltiv_r.1      1      0.00  86.00
## - smoker_r.1             1      0.00  86.00
## - cvd.1                  1      0.00  86.00
## - htcn_r.1               1      0.00  86.00
## - htcn_d_r.1             1      0.00  86.00
## - mitral_insuff_r.1      1      0.00  86.00
## - carotid_sten_r.1       1      0.00  86.00
## - pvd.1                  1      0.00  86.00
## - tricuspid_insuff_r.1   1      0.00  86.00
## - bmi_r.1                1      0.00  86.00
## - bmi_squared_r.1        1      0.00  86.00
## - novsl_r.1              1      0.00  86.00
## - readmit_1y_yn_state.1  1      0.00  86.00
## - anyakin.1              1      0.00  86.00
## - creatcat.1             1      0.00  86.00
## - anymssd.1              1      0.00  86.00
## - lowoutput.1            1      0.00  86.00
## - bmicat.1               1      0.00  86.00
## - bmi1.1                 1      0.00  86.00
## - bmi2.1                 1      0.00  86.00
## - bmi3.1                 1      0.00  86.00
## - bmi4.1                 1      0.00  86.00
## - lvedpm.1               1      0.00  86.00

```



```

## - anemiapre.1          1      0.00  86.00
## - iabpintra.1          1      0.00  86.00
## - lof1.1               1      0.00  86.00
## - cardblood.1          1      0.00  86.00
## - cardcold.1           1      0.00  86.00
## - hotshot.1            1      0.00  86.00
## - aoxcon.1             1      0.00  86.00
## - ultrafilyn.1         1      0.00  86.00
## - cabg.1               1      0.00  86.00
## - valve.1              1      0.00  86.00
## - gfr60pre.1           1      0.00  86.00
## - fluidprel.1          1      0.00  86.00
## - ptime120.1           1      0.00  86.00
## - heptotl.1            1      0.00  86.00
## - heptot5.1            1      0.00  86.00
## - train                1      0.00  86.00
## <none>                  0.00  88.00
## - dead.1               1  890.88 976.88

## Warning: glm.fit: algorithm did not converge

##
## Step: AIC=86
## dead ~ dead.1 + aortic_sten_r.1 + chf_nyha_iv_r.1 + chf_nyha_ltiv_r.1 +
##   smoker_r.1 + cvd.1 + htcn_r.1 + htcn_d_r.1 + mitral_insuff_r.1 +
##   carotid_sten_r.1 + pvd.1 + tricuspid_insuff_r.1 + bmi_r.1 +
##   bmi_squared_r.1 + novsl_r.1 + readmit_1y_yn_state.1 + anyakin.1 +
##   creatcat.1 + anymssd.1 + lowoutput.1 + bmicat.1 + bmi1.1 +
##   bmi2.1 + bmi3.1 + bmi4.1 + lvedpm.1 + anemiapre.1 + iabpintra.1 +
##   lof1.1 + cardblood.1 + cardcold.1 + hotshot.1 + aoxcon.1 +
##   ultrafilyn.1 + cabg.1 + valve.1 + gfr60pre.1 + fluidprel.1 +
##   ptime120.1 + heptotl.1 + heptot5.1 + train

## Warning: glm.fit: algorithm did not converge

## Warning: glm.fit: algorithm did not converge

## Warning: glm.fit: algorithm did not converge

## Warning: glm.fit: algorithm did not converge

## Warning: glm.fit: algorithm did not converge

## Warning: glm.fit: algorithm did not converge

## Warning: glm.fit: algorithm did not converge

## Warning: glm.fit: algorithm did not converge

## Warning: glm.fit: algorithm did not converge

## Warning: glm.fit: algorithm did not converge

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[illegible]

Warning: glm.fit: algorithm did not converge

Warning: glm.fit: algorithm did not converge

Warning: glm.fit: algorithm did not converge

##	Df	Deviance	AIC
## - aortic_sten_r.1	1	0.0	84.0
## - chf_nyha_iv_r.1	1	0.0	84.0
## - chf_nyha_ltiv_r.1	1	0.0	84.0
## - smoker_r.1	1	0.0	84.0
## - cvd.1	1	0.0	84.0
## - htcn_r.1	1	0.0	84.0
## - htcn_d_r.1	1	0.0	84.0
## - mitral_insuff_r.1	1	0.0	84.0
## - carotid_sten_r.1	1	0.0	84.0
## - pvd.1	1	0.0	84.0
## - tricuspid_insuff_r.1	1	0.0	84.0
## - bmi_r.1	1	0.0	84.0
## - bmi_squared_r.1	1	0.0	84.0
## - novsl_r.1	1	0.0	84.0
## - readmit_1y_yn_state.1	1	0.0	84.0
## - anyakin.1	1	0.0	84.0
## - creatcat.1	1	0.0	84.0
## - anymssd.1	1	0.0	84.0
## - lowoutput.1	1	0.0	84.0
## - bmicat.1	1	0.0	84.0
## - bmi1.1	1	0.0	84.0
## - bmi2.1	1	0.0	84.0
## - bmi3.1	1	0.0	84.0
## - bmi4.1	1	0.0	84.0
## - lvedpm.1	1	0.0	84.0
## - anemiapre.1	1	0.0	84.0
## - iabpintra.1	1	0.0	84.0
## - lof1.1	1	0.0	84.0
## - cardblood.1	1	0.0	84.0
## - cardcold.1	1	0.0	84.0
## - hotshot.1	1	0.0	84.0
## - aoxcon.1	1	0.0	84.0
## - ultrafilyn.1	1	0.0	84.0
## - cabg.1	1	0.0	84.0
## - valve.1	1	0.0	84.0
## - gfr60pre.1	1	0.0	84.0
## - fluidprel.1	1	0.0	84.0
## - ptime120.1	1	0.0	84.0
## - heptotl.1	1	0.0	84.0
## - heptot5.1	1	0.0	84.0
## - train	1	0.0	84.0
## <none>		0.0	86.0
## - dead.1	1	891.8	975.8

Warning: glm.fit: algorithm did not converge

##

Step: AIC=84

[illegible]

```

## Warning: glm.fit: algorithm did not converge
## Warning: glm.fit: algorithm did not converge
## Warning: glm.fit: algorithm did not converge
## Warning: glm.fit: algorithm did not converge
## Warning: glm.fit: algorithm did not converge
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## Warning: glm.fit: algorithm did not converge
## Warning: glm.fit: algorithm did not converge
## Warning: glm.fit: algorithm did not converge
## Warning: glm.fit: algorithm did not converge
##
##           Df Deviance    AIC
## - chf_nyha_iv_r.1      1     0.00  82.00
## - chf_nyha_ltiv_r.1     1     0.00  82.00
## - smoker_r.1           1     0.00  82.00
## - cvd.1                1     0.00  82.00
## - htc_m_r.1            1     0.00  82.00
## - htc_m_d_r.1          1     0.00  82.00
## - mitral_insuff_r.1     1     0.00  82.00
## - carotid_sten_r.1      1     0.00  82.00
## - pvd.1                1     0.00  82.00
## - tricuspid_insuff_r.1  1     0.00  82.00
## - bmi_r.1              1     0.00  82.00
## - bmi_squared_r.1       1     0.00  82.00
## - novsl_r.1            1     0.00  82.00
## - readmit_1y_yn_state.1 1     0.00  82.00
## - anyakin.1            1     0.00  82.00
## - creatcat.1           1     0.00  82.00
## - anymssd.1            1     0.00  82.00

```

```

## - lowoutput.1          1      0.00 82.00
## - bmicat.1             1      0.00 82.00
## - bmi1.1               1      0.00 82.00
## - bmi2.1               1      0.00 82.00
## - bmi3.1               1      0.00 82.00
## - bmi4.1               1      0.00 82.00
## - lvedpm.1             1      0.00 82.00
## - anemiapre.1          1      0.00 82.00
## - iabpintra.1          1      0.00 82.00
## - lof1.1               1      0.00 82.00
## - cardblood.1          1      0.00 82.00
## - cardcold.1           1      0.00 82.00
## - hotshot.1            1      0.00 82.00
## - aoxcon.1             1      0.00 82.00
## - ultrafilyn.1         1      0.00 82.00
## - cabg.1               1      0.00 82.00
## - valve.1              1      0.00 82.00
## - gfr60pre.1           1      0.00 82.00
## - fluidprel.1          1      0.00 82.00
## - ptime120.1           1      0.00 82.00
## - heptotl.1            1      0.00 82.00
## - heptot5.1            1      0.00 82.00
## - train                1      0.00 82.00
## <none>                  0.00 84.00
## - dead.1               1 893.95 975.95

## Warning: glm.fit: algorithm did not converge

##
## Step: AIC=82
## dead ~ dead.1 + chf_nyha_ltiv_r.1 + smoker_r.1 + cvd.1 + htcn_r.1 +
##   htcn_d_r.1 + mitral_insuff_r.1 + carotid_sten_r.1 + pvd.1 +
##   tricuspid_insuff_r.1 + bmi_r.1 + bmi_squared_r.1 + novsl_r.1 +
##   readmit_1y_yn_state.1 + anyakin.1 + creatcat.1 + anymssd.1 +
##   lowoutput.1 + bmicat.1 + bmi1.1 + bmi2.1 + bmi3.1 + bmi4.1 +
##   lvedpm.1 + anemiapre.1 + iabpintra.1 + lof1.1 + cardblood.1 +
##   cardcold.1 + hotshot.1 + aoxcon.1 + ultrafilyn.1 + cabg.1 +
##   valve.1 + gfr60pre.1 + fluidprel.1 + ptime120.1 + heptotl.1 +
##   heptot5.1 + train

## Warning: glm.fit: algorithm did not converge

## Warning: glm.fit: algorithm did not converge

## Warning: glm.fit: algorithm did not converge

## Warning: glm.fit: algorithm did not converge

## Warning: glm.fit: algorithm did not converge

## Warning: glm.fit: algorithm did not converge

## Warning: glm.fit: algorithm did not converge

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[illegible]

Warning: glm.fit: algorithm did not converge

Warning: glm.fit: algorithm did not converge

Warning: glm.fit: algorithm did not converge

Warning: glm.fit: algorithm did not converge

##	Df	Deviance	AIC
## - chf_nyha_ltiv_r.1	1	0.00	80.00
## - smoker_r.1	1	0.00	80.00
## - cvd.1	1	0.00	80.00
## - htcn_r.1	1	0.00	80.00
## - htcn_d_r.1	1	0.00	80.00
## - mitral_insuff_r.1	1	0.00	80.00
## - carotid_sten_r.1	1	0.00	80.00
## - pvd.1	1	0.00	80.00
## - tricuspid_insuff_r.1	1	0.00	80.00
## - bmi_r.1	1	0.00	80.00
## - bmi_squared_r.1	1	0.00	80.00
## - novsl_r.1	1	0.00	80.00
## - readmit_1y_yn_state.1	1	0.00	80.00
## - anyakin.1	1	0.00	80.00
## - creatcat.1	1	0.00	80.00
## - anymssd.1	1	0.00	80.00
## - lowoutput.1	1	0.00	80.00
## - bmicat.1	1	0.00	80.00
## - bmi1.1	1	0.00	80.00
## - bmi2.1	1	0.00	80.00
## - bmi3.1	1	0.00	80.00
## - bmi4.1	1	0.00	80.00
## - lvedpm.1	1	0.00	80.00
## - anemiapre.1	1	0.00	80.00
## - iabpintra.1	1	0.00	80.00
## - lof1.1	1	0.00	80.00
## - cardblood.1	1	0.00	80.00
## - cardcold.1	1	0.00	80.00
## - hotshot.1	1	0.00	80.00
## - aoxcon.1	1	0.00	80.00
## - ultrafilyn.1	1	0.00	80.00
## - cabg.1	1	0.00	80.00
## - valve.1	1	0.00	80.00
## - gfr60pre.1	1	0.00	80.00
## - fluidprel.1	1	0.00	80.00
## - ptime120.1	1	0.00	80.00
## - heptotl.1	1	0.00	80.00
## - heptot5.1	1	0.00	80.00
## - train	1	0.00	80.00
## <none>		0.00	82.00
## - dead.1	1	898.16	978.16

Warning: glm.fit: algorithm did not converge

##

[illegible]

```

## Warning: glm.fit: algorithm did not converge
## Warning: glm.fit: algorithm did not converge
## Warning: glm.fit: algorithm did not converge
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## Warning: glm.fit: algorithm did not converge
## Warning: glm.fit: algorithm did not converge
## Warning: glm.fit: algorithm did not converge
## Warning: glm.fit: algorithm did not converge
##
##           Df Deviance    AIC
## - smoker_r.1      1      0.00  78.00
## - cvd.1            1      0.00  78.00
## - htcn_r.1         1      0.00  78.00
## - htcn_d_r.1       1      0.00  78.00
## - mitral_insuff_r.1 1      0.00  78.00
## - carotid_sten_r.1 1      0.00  78.00
## - pvd.1            1      0.00  78.00
## - tricuspid_insuff_r.1 1      0.00  78.00
## - bmi_r.1          1      0.00  78.00
## - bmi_squared_r.1  1      0.00  78.00
## - novsl_r.1        1      0.00  78.00
## - readmit_1y_yn_state.1 1      0.00  78.00
## - anyakin.1        1      0.00  78.00
## - creatcat.1       1      0.00  78.00
## - anymssd.1        1      0.00  78.00
## - lowoutput.1      1      0.00  78.00
## - bmicat.1         1      0.00  78.00
## - bmi1.1           1      0.00  78.00
## - bmi2.1           1      0.00  78.00
## - bmi3.1           1      0.00  78.00
## - bmi4.1           1      0.00  78.00

```

```

## - lvedpm.1          1      0.00  78.00
## - anemiapre.1       1      0.00  78.00
## - iabpintra.1       1      0.00  78.00
## - lof1.1            1      0.00  78.00
## - cardblood.1       1      0.00  78.00
## - cardcold.1        1      0.00  78.00
## - hotshot.1         1      0.00  78.00
## - aoxcon.1          1      0.00  78.00
## - ultrafilyn.1      1      0.00  78.00
## - cabg.1            1      0.00  78.00
## - valve.1           1      0.00  78.00
## - gfr60pre.1        1      0.00  78.00
## - fluidprel.1       1      0.00  78.00
## - ptime120.1        1      0.00  78.00
## - heptotl.1         1      0.00  78.00
## - heptot5.1         1      0.00  78.00
## - train             1      0.00  78.00
## <none>              0.00  80.00
## - dead.1            1  903.03 981.03

## Warning: glm.fit: algorithm did not converge

##
## Step:  AIC=78
## dead ~ dead.1 + cvd.1 + htc_m_r.1 + htc_m_d_r.1 + mitral_insuff_r.1 +
##      carotid_sten_r.1 + pvd.1 + tricuspid_insuff_r.1 + bmi_r.1 +
##      bmi_squared_r.1 + novsl_r.1 + readmit_1y_yn_state.1 + anyakin.1 +
##      creatcat.1 + anymssd.1 + lowoutput.1 + bmicat.1 + bmi1.1 +
##      bmi2.1 + bmi3.1 + bmi4.1 + lvedpm.1 + anemiapre.1 + iabpintra.1 +
##      lof1.1 + cardblood.1 + cardcold.1 + hotshot.1 + aoxcon.1 +
##      ultrafilyn.1 + cabg.1 + valve.1 + gfr60pre.1 + fluidprel.1 +
##      ptime120.1 + heptotl.1 + heptot5.1 + train

## Warning: glm.fit: algorithm did not converge

## Warning: glm.fit: algorithm did not converge

## Warning: glm.fit: algorithm did not converge

## Warning: glm.fit: algorithm did not converge

## Warning: glm.fit: algorithm did not converge

## Warning: glm.fit: algorithm did not converge

## Warning: glm.fit: algorithm did not converge

## Warning: glm.fit: algorithm did not converge

## Warning: glm.fit: algorithm did not converge

## Warning: glm.fit: algorithm did not converge

```

[illegible]

```

## - htc_m_r.1          1      0.00  76.00
## - htc_m_d_r.1        1      0.00  76.00
## - mitral_insuff_r.1   1      0.00  76.00
## - carotid_sten_r.1    1      0.00  76.00
## - pvd.1              1      0.00  76.00
## - tricuspid_insuff_r.1 1      0.00  76.00
## - bmi_r.1            1      0.00  76.00
## - bmi_squared_r.1     1      0.00  76.00
## - novsl_r.1          1      0.00  76.00
## - readmit_1y_yn_state.1 1      0.00  76.00
## - anyakin.1          1      0.00  76.00
## - creatcat.1         1      0.00  76.00
## - anymssd.1          1      0.00  76.00
## - lowoutput.1        1      0.00  76.00
## - bmicat.1           1      0.00  76.00
## - bmi1.1             1      0.00  76.00
## - bmi2.1             1      0.00  76.00
## - bmi3.1             1      0.00  76.00
## - bmi4.1             1      0.00  76.00
## - lvedpm.1           1      0.00  76.00
## - anemiapre.1        1      0.00  76.00
## - iabpintra.1        1      0.00  76.00
## - lof1.1             1      0.00  76.00
## - cardblood.1        1      0.00  76.00
## - cardcold.1         1      0.00  76.00
## - hotshot.1          1      0.00  76.00
## - aoxcon.1           1      0.00  76.00
## - ultrafilyn.1       1      0.00  76.00
## - cabg.1             1      0.00  76.00
## - valve.1            1      0.00  76.00
## - gfr60pre.1         1      0.00  76.00
## - fluidprel.1        1      0.00  76.00
## - ptime120.1         1      0.00  76.00
## - heptotl.1          1      0.00  76.00
## - heptot5.1          1      0.00  76.00
## - train              1      0.00  76.00
## <none>                0.00  78.00
## - dead.1             1    905.49 981.49

## Warning: glm.fit: algorithm did not converge

##
## Step: AIC=76
## dead ~ dead.1 + htc_m_r.1 + htc_m_d_r.1 + mitral_insuff_r.1 + carotid_sten_r.1 +
##   pvd.1 + tricuspid_insuff_r.1 + bmi_r.1 + bmi_squared_r.1 +
##   novsl_r.1 + readmit_1y_yn_state.1 + anyakin.1 + creatcat.1 +
##   anymssd.1 + lowoutput.1 + bmicat.1 + bmi1.1 + bmi2.1 + bmi3.1 +
##   bmi4.1 + lvedpm.1 + anemiapre.1 + iabpintra.1 + lof1.1 +
##   cardblood.1 + cardcold.1 + hotshot.1 + aoxcon.1 + ultrafilyn.1 +
##   cabg.1 + valve.1 + gfr60pre.1 + fluidprel.1 + ptime120.1 +
##   heptotl.1 + heptot5.1 + train

## Warning: glm.fit: algorithm did not converge

## Warning: glm.fit: algorithm did not converge

```

[illegible]

```
## Warning: glm.fit: algorithm did not converge
## Warning: glm.fit: algorithm did not converge
## Warning: glm.fit: algorithm did not converge
## Warning: glm.fit: algorithm did not converge
## Warning: glm.fit: algorithm did not converge
## Warning: glm.fit: algorithm did not converge
```

```
## Warning: glm.fit: algorithm did not converge
```

##	Df	Deviance	AIC
## - htcn_r.1	1	0.00	74.00
## - htcn_d_r.1	1	0.00	74.00
## - mitral_insuff_r.1	1	0.00	74.00
## - carotid_sten_r.1	1	0.00	74.00
## - pvd.1	1	0.00	74.00
## - tricuspid_insuff_r.1	1	0.00	74.00
## - bmi_r.1	1	0.00	74.00
## - bmi_squared_r.1	1	0.00	74.00
## - novsl_r.1	1	0.00	74.00
## - readmit_1y_yn_state.1	1	0.00	74.00
## - anyakin.1	1	0.00	74.00
## - creatcat.1	1	0.00	74.00
## - anymssd.1	1	0.00	74.00
## - lowoutput.1	1	0.00	74.00
## - bmicat.1	1	0.00	74.00
## - bmi1.1	1	0.00	74.00
## - bmi2.1	1	0.00	74.00
## - bmi3.1	1	0.00	74.00
## - bmi4.1	1	0.00	74.00
## - lvedpm.1	1	0.00	74.00
## - anemiapre.1	1	0.00	74.00
## - iabpintra.1	1	0.00	74.00
## - lof1.1	1	0.00	74.00
## - cardblood.1	1	0.00	74.00
## - cardcold.1	1	0.00	74.00
## - hotshot.1	1	0.00	74.00
## - aoxcon.1	1	0.00	74.00
## - ultrafilyn.1	1	0.00	74.00
## - cabg.1	1	0.00	74.00
## - valve.1	1	0.00	74.00
## - gfr60pre.1	1	0.00	74.00
## - fluidprel.1	1	0.00	74.00
## - ptime120.1	1	0.00	74.00
## - heptotl.1	1	0.00	74.00
## - heptot5.1	1	0.00	74.00
## - train	1	0.00	74.00
## <none>		0.00	76.00
## - dead.1	1	907.92	981.92

[illegible]


```

## Warning: glm.fit: algorithm did not converge

## Warning: glm.fit: algorithm did not converge

## Warning: glm.fit: algorithm did not converge

## Warning: glm.fit: algorithm did not converge

## Warning: glm.fit: algorithm did not converge

## Warning: glm.fit: algorithm did not converge

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## Warning: glm.fit: algorithm did not converge

## Warning: glm.fit: algorithm did not converge

## Warning: glm.fit: algorithm did not converge

## Warning: glm.fit: algorithm did not converge

## Warning: glm.fit: algorithm did not converge

## Warning: glm.fit: algorithm did not converge

##
##           Df Deviance    AIC
## - htcn_d_r.1      1      0.00  72.00
## - mitral_insuff_r.1  1      0.00  72.00
## - carotid_sten_r.1  1      0.00  72.00
## - pvd.1           1      0.00  72.00
## - tricuspid_insuff_r.1  1      0.00  72.00
## - bmi_r.1         1      0.00  72.00
## - bmi_squared_r.1  1      0.00  72.00
## - novsl_r.1       1      0.00  72.00
## - readmit_1y_yn_state.1  1      0.00  72.00
## - anyakin.1       1      0.00  72.00
## - creatcat.1      1      0.00  72.00
## - anymssd.1       1      0.00  72.00
## - lowoutput.1     1      0.00  72.00
## - bmicat.1        1      0.00  72.00
## - bmi1.1          1      0.00  72.00
## - bmi2.1          1      0.00  72.00
## - bmi3.1          1      0.00  72.00
## - bmi4.1          1      0.00  72.00
## - lvedpm.1        1      0.00  72.00
## - anemiapre.1     1      0.00  72.00
## - iabpintra.1     1      0.00  72.00
## - lof1.1          1      0.00  72.00
## - cardblood.1     1      0.00  72.00
## - cardcold.1      1      0.00  72.00
## - hotshot.1       1      0.00  72.00

```

```

## - aoxcon.1          1      0.00  72.00
## - ultrafilyn.1      1      0.00  72.00
## - cabg.1            1      0.00  72.00
## - valve.1           1      0.00  72.00
## - gfr60pre.1        1      0.00  72.00
## - fluidprel.1       1      0.00  72.00
## - ptime120.1        1      0.00  72.00
## - heptotl.1         1      0.00  72.00
## - heptot5.1         1      0.00  72.00
## - train             1      0.00  72.00
## <none>              0.00  74.00
## - dead.1            1    910.99 982.99

## Warning: glm.fit: algorithm did not converge

##
## Step:  AIC=72
## dead ~ dead.1 + mitral_insuff_r.1 + carotid_sten_r.1 + pvd.1 +
##      tricuspl_insuff_r.1 + bmi_r.1 + bmi_squared_r.1 + novsl_r.1 +
##      readmit_1y_yn_state.1 + anyakin.1 + creatcat.1 + anymssd.1 +
##      lowoutput.1 + bmicat.1 + bmi1.1 + bmi2.1 + bmi3.1 + bmi4.1 +
##      lvedpm.1 + anemiapre.1 + iabpintra.1 + lof1.1 + cardblood.1 +
##      cardcold.1 + hotshot.1 + aoxcon.1 + ultrafilyn.1 + cabg.1 +
##      valve.1 + gfr60pre.1 + fluidprel.1 + ptime120.1 + heptotl.1 +
##      heptot5.1 + train

## Warning: glm.fit: algorithm did not converge

## Warning: glm.fit: algorithm did not converge

## Warning: glm.fit: algorithm did not converge

## Warning: glm.fit: algorithm did not converge

## Warning: glm.fit: algorithm did not converge

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## Warning: glm.fit: algorithm did not converge

## Warning: glm.fit: algorithm did not converge

## Warning: glm.fit: algorithm did not converge

## Warning: glm.fit: algorithm did not converge

```

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## Warning: glm.fit: algorithm did not converge
## Warning: glm.fit: algorithm did not converge
## Warning: glm.fit: algorithm did not converge
## Warning: glm.fit: algorithm did not converge
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## Warning: glm.fit: algorithm did not converge
## Warning: glm.fit: algorithm did not converge
## Warning: glm.fit: algorithm did not converge
## Warning: glm.fit: algorithm did not converge
## Warning: glm.fit: algorithm did not converge
##
##           Df Deviance   AIC
## - mitral_insuff_r.1      1      0.0  70.0
## - carotid_sten_r.1      1      0.0  70.0
## - pvd.1                  1      0.0  70.0
## - tricuspid_insuff_r.1   1      0.0  70.0
## - bmi_r.1                1      0.0  70.0
## - bmi_squared_r.1        1      0.0  70.0
## - novsl_r.1              1      0.0  70.0
## - readmit_1y_yn_state.1  1      0.0  70.0
## - anyakin.1              1      0.0  70.0
## - creatcat.1             1      0.0  70.0
## - anymssd.1              1      0.0  70.0
## - lowoutput.1            1      0.0  70.0
## - bmicat.1               1      0.0  70.0
## - bmi1.1                 1      0.0  70.0

```

```

## - bmi2.1          1      0.0  70.0
## - bmi3.1          1      0.0  70.0
## - bmi4.1          1      0.0  70.0
## - lvedpm.1        1      0.0  70.0
## - anemiapre.1     1      0.0  70.0
## - iabpintra.1     1      0.0  70.0
## - lof1.1          1      0.0  70.0
## - cardblood.1     1      0.0  70.0
## - cardcold.1      1      0.0  70.0
## - hotshot.1       1      0.0  70.0
## - aoxcon.1        1      0.0  70.0
## - ultrafilyn.1    1      0.0  70.0
## - cabg.1          1      0.0  70.0
## - valve.1         1      0.0  70.0
## - gfr60pre.1      1      0.0  70.0
## - fluidprel.1     1      0.0  70.0
## - ptime120.1      1      0.0  70.0
## - heptotl.1       1      0.0  70.0
## - heptot5.1       1      0.0  70.0
## - train           1      0.0  70.0
## <none>             0.0  72.0
## - dead.1          1    911.1 981.1

## Warning: glm.fit: algorithm did not converge

##
## Step: AIC=70
## dead ~ dead.1 + carotid_sten_r.1 + pvd.1 + tricuspid_insuff_r.1 +
##      bmi_r.1 + bmi_squared_r.1 + novsl_r.1 + readmit_1y_yn_state.1 +
##      anyakin.1 + creatcat.1 + anymssd.1 + lowoutput.1 + bmicat.1 +
##      bmi1.1 + bmi2.1 + bmi3.1 + bmi4.1 + lvedpm.1 + anemiapre.1 +
##      iabpintra.1 + lof1.1 + cardblood.1 + cardcold.1 + hotshot.1 +
##      aoxcon.1 + ultrafilyn.1 + cabg.1 + valve.1 + gfr60pre.1 +
##      fluidprel.1 + ptime120.1 + heptotl.1 + heptot5.1 + train

## Warning: glm.fit: algorithm did not converge

## Warning: glm.fit: algorithm did not converge

## Warning: glm.fit: algorithm did not converge

## Warning: glm.fit: algorithm did not converge

## Warning: glm.fit: algorithm did not converge

## Warning: glm.fit: algorithm did not converge

## Warning: glm.fit: algorithm did not converge

## Warning: glm.fit: algorithm did not converge

## Warning: glm.fit: algorithm did not converge

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## Warning: glm.fit: algorithm did not converge  
## Warning: glm.fit: algorithm did not converge  
## Warning: glm.fit: algorithm did not converge  
## Warning: glm.fit: algorithm did not converge  
## Warning: glm.fit: algorithm did not converge  
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## Warning: glm.fit: algorithm did not converge  
## Warning: glm.fit: algorithm did not converge  
## Warning: glm.fit: algorithm did not converge  
## Warning: glm.fit: algorithm did not converge  
## Warning: glm.fit: algorithm did not converge  
  
##                               Df Deviance      AIC  
## - carotid_sten_r.1           1     0.00   68.00  
## - pvd.1                       1     0.00   68.00  
## - tricuspid_insuff_r.1       1     0.00   68.00  
## - bmi_r.1                     1     0.00   68.00  
## - bmi_squared_r.1            1     0.00   68.00  
## - novsl_r.1                  1     0.00   68.00  
## - readmit_1y_yn_state.1    1     0.00   68.00
```

```

## - anyakin.1          1      0.00 68.00
## - creatcat.1         1      0.00 68.00
## - anymssd.1          1      0.00 68.00
## - lowoutput.1        1      0.00 68.00
## - bmicat.1           1      0.00 68.00
## - bmi1.1             1      0.00 68.00
## - bmi2.1             1      0.00 68.00
## - bmi3.1             1      0.00 68.00
## - bmi4.1             1      0.00 68.00
## - lvedpm.1           1      0.00 68.00
## - anemiapre.1        1      0.00 68.00
## - iabpintra.1        1      0.00 68.00
## - lof1.1             1      0.00 68.00
## - cardblood.1        1      0.00 68.00
## - cardcold.1         1      0.00 68.00
## - hotshot.1          1      0.00 68.00
## - aoxcon.1           1      0.00 68.00
## - ultrafilyn.1       1      0.00 68.00
## - cabg.1             1      0.00 68.00
## - valve.1            1      0.00 68.00
## - gfr60pre.1         1      0.00 68.00
## - fluidprel.1        1      0.00 68.00
## - ptime120.1         1      0.00 68.00
## - heptotl.1          1      0.00 68.00
## - heptot5.1          1      0.00 68.00
## - train              1      0.00 68.00
## <none>                0.00 70.00
## - dead.1             1    911.82 979.82

## Warning: glm.fit: algorithm did not converge

##
## Step: AIC=68
## dead ~ dead.1 + pvd.1 + tricuspid_insupp_r.1 + bmi_r.1 + bmi_squared_r.1 +
##   novsl_r.1 + readmit_1y_yn_state.1 + anyakin.1 + creatcat.1 +
##   anymssd.1 + lowoutput.1 + bmicat.1 + bmi1.1 + bmi2.1 + bmi3.1 +
##   bmi4.1 + lvedpm.1 + anemiapre.1 + iabpintra.1 + lof1.1 +
##   cardblood.1 + cardcold.1 + hotshot.1 + aoxcon.1 + ultrafilyn.1 +
##   cabg.1 + valve.1 + gfr60pre.1 + fluidprel.1 + ptime120.1 +
##   heptotl.1 + heptot5.1 + train

## Warning: glm.fit: algorithm did not converge

## Warning: glm.fit: algorithm did not converge

## Warning: glm.fit: algorithm did not converge

## Warning: glm.fit: algorithm did not converge

## Warning: glm.fit: algorithm did not converge

## Warning: glm.fit: algorithm did not converge

## Warning: glm.fit: algorithm did not converge

```

[illegible]

```

## - bmi_squared_r.1      1      0.00 66.00
## - novsl_r.1            1      0.00 66.00
## - readmit_1y_yn_state.1 1      0.00 66.00
## - anyakin.1            1      0.00 66.00
## - creatcat.1           1      0.00 66.00
## - anymssd.1            1      0.00 66.00
## - lowoutput.1          1      0.00 66.00
## - bmicat.1             1      0.00 66.00
## - bmi1.1               1      0.00 66.00
## - bmi2.1               1      0.00 66.00
## - bmi3.1               1      0.00 66.00
## - bmi4.1               1      0.00 66.00
## - lvedpm.1             1      0.00 66.00
## - anemiapre.1          1      0.00 66.00
## - iabpintra.1          1      0.00 66.00
## - lof1.1               1      0.00 66.00
## - cardblood.1          1      0.00 66.00
## - cardcold.1           1      0.00 66.00
## - hotshot.1            1      0.00 66.00
## - aoxcon.1             1      0.00 66.00
## - ultrafilyn.1         1      0.00 66.00
## - cabg.1               1      0.00 66.00
## - valve.1              1      0.00 66.00
## - gfr60pre.1           1      0.00 66.00
## - fluidprel.1          1      0.00 66.00
## - ptime120.1           1      0.00 66.00
## - heptotl.1            1      0.00 66.00
## - heptot5.1            1      0.00 66.00
## - train                1      0.00 66.00
## <none>                  0.00 68.00
## - dead.1               1 912.14 978.14

## Warning: glm.fit: algorithm did not converge

##
## Step: AIC=66
## dead ~ dead.1 + tricuspid_insuff_r.1 + bmi_r.1 + bmi_squared_r.1 +
##   novsl_r.1 + readmit_1y_yn_state.1 + anyakin.1 + creatcat.1 +
##   anymssd.1 + lowoutput.1 + bmicat.1 + bmi1.1 + bmi2.1 + bmi3.1 +
##   bmi4.1 + lvedpm.1 + anemiapre.1 + iabpintra.1 + lof1.1 +
##   cardblood.1 + cardcold.1 + hotshot.1 + aoxcon.1 + ultrafilyn.1 +
##   cabg.1 + valve.1 + gfr60pre.1 + fluidprel.1 + ptime120.1 +
##   heptotl.1 + heptot5.1 + train

## Warning: glm.fit: algorithm did not converge

## Warning: glm.fit: algorithm did not converge

## Warning: glm.fit: algorithm did not converge

## Warning: glm.fit: algorithm did not converge

## Warning: glm.fit: algorithm did not converge

## Warning: glm.fit: algorithm did not converge

```


[illegible]

```

## - bmi_squared_r.1      1      0.00 64.00
## - novsl_r.1            1      0.00 64.00
## - readmit_1y_yn_state.1 1      0.00 64.00
## - anyakin.1            1      0.00 64.00
## - creatcat.1           1      0.00 64.00
## - anymssd.1            1      0.00 64.00
## - lowoutput.1          1      0.00 64.00
## - bmicat.1             1      0.00 64.00
## - bmi1.1               1      0.00 64.00
## - bmi2.1               1      0.00 64.00
## - bmi3.1               1      0.00 64.00
## - bmi4.1               1      0.00 64.00
## - lvedpm.1             1      0.00 64.00
## - anemiapre.1          1      0.00 64.00
## - iabpintra.1          1      0.00 64.00
## - lof1.1               1      0.00 64.00
## - cardblood.1          1      0.00 64.00
## - cardcold.1           1      0.00 64.00
## - hotshot.1            1      0.00 64.00
## - aoxcon.1             1      0.00 64.00
## - ultrafilyn.1         1      0.00 64.00
## - cabg.1               1      0.00 64.00
## - valve.1              1      0.00 64.00
## - gfr60pre.1           1      0.00 64.00
## - fluidprel.1          1      0.00 64.00
## - ptime120.1           1      0.00 64.00
## - heptotl.1            1      0.00 64.00
## - heptot5.1            1      0.00 64.00
## - train                1      0.00 64.00
## <none>                  0.00 66.00
## - dead.1               1 916.83 980.83

## Warning: glm.fit: algorithm did not converge

##
## Step: AIC=64
## dead ~ dead.1 + bmi_r.1 + bmi_squared_r.1 + novsl_r.1 + readmit_1y_yn_state.1 +
## anyakin.1 + creatcat.1 + anymssd.1 + lowoutput.1 + bmicat.1 +
## bmi1.1 + bmi2.1 + bmi3.1 + bmi4.1 + lvedpm.1 + anemiapre.1 +
## iabpintra.1 + lof1.1 + cardblood.1 + cardcold.1 + hotshot.1 +
## aoxcon.1 + ultrafilyn.1 + cabg.1 + valve.1 + gfr60pre.1 +
## fluidprel.1 + ptime120.1 + heptotl.1 + heptot5.1 + train

## Warning: glm.fit: algorithm did not converge

## Warning: glm.fit: algorithm did not converge

## Warning: glm.fit: algorithm did not converge

## Warning: glm.fit: algorithm did not converge

## Warning: glm.fit: algorithm did not converge

## Warning: glm.fit: algorithm did not converge

```

[illegible]

```

## - creatcat.1          1      0.00 62.00
## - anymssd.1           1      0.00 62.00
## - lowoutput.1         1      0.00 62.00
## - bmicat.1            1      0.00 62.00
## - bmi1.1              1      0.00 62.00
## - bmi2.1              1      0.00 62.00
## - bmi3.1              1      0.00 62.00
## - bmi4.1              1      0.00 62.00
## - lvedpm.1            1      0.00 62.00
## - anemiapre.1         1      0.00 62.00
## - iabpintra.1         1      0.00 62.00
## - lof1.1              1      0.00 62.00
## - cardblood.1         1      0.00 62.00
## - cardcold.1          1      0.00 62.00
## - hotshot.1           1      0.00 62.00
## - aoxcon.1            1      0.00 62.00
## - ultrafilyn.1        1      0.00 62.00
## - cabg.1              1      0.00 62.00
## - valve.1             1      0.00 62.00
## - gfr60pre.1          1      0.00 62.00
## - fluidprel.1         1      0.00 62.00
## - ptime120.1          1      0.00 62.00
## - heptotl.1           1      0.00 62.00
## - heptot5.1           1      0.00 62.00
## - train                1      0.00 62.00
## <none>                  0.00 64.00
## - dead.1              1    918.72 980.72

## Warning: glm.fit: algorithm did not converge

##
## Step: AIC=62
## dead ~ dead.1 + bmi_squared_r.1 + novsl_r.1 + readmit_1y_yn_state.1 +
##   anyakin.1 + creatcat.1 + anymssd.1 + lowoutput.1 + bmicat.1 +
##   bmi1.1 + bmi2.1 + bmi3.1 + bmi4.1 + lvedpm.1 + anemiapre.1 +
##   iabpintra.1 + lof1.1 + cardblood.1 + cardcold.1 + hotshot.1 +
##   aoxcon.1 + ultrafilyn.1 + cabg.1 + valve.1 + gfr60pre.1 +
##   fluidprel.1 + ptime120.1 + heptotl.1 + heptot5.1 + train

## Warning: glm.fit: algorithm did not converge

## Warning: glm.fit: algorithm did not converge

## Warning: glm.fit: algorithm did not converge

## Warning: glm.fit: algorithm did not converge

## Warning: glm.fit: algorithm did not converge

## Warning: glm.fit: algorithm did not converge

## Warning: glm.fit: algorithm did not converge

```

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## Warning: glm.fit: algorithm did not converge  
## Warning: glm.fit: algorithm did not converge  
## Warning: glm.fit: algorithm did not converge  
## Warning: glm.fit: algorithm did not converge  
## Warning: glm.fit: algorithm did not converge  
## Warning: glm.fit: algorithm did not converge  
## Warning: glm.fit: algorithm did not converge  
## Warning: glm.fit: algorithm did not converge  
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## Warning: glm.fit: algorithm did not converge  
## Warning: glm.fit: algorithm did not converge  
## Warning: glm.fit: algorithm did not converge  
## Warning: glm.fit: algorithm did not converge  
## Warning: glm.fit: algorithm did not converge  
## Warning: glm.fit: algorithm did not converge  
## Warning: glm.fit: algorithm did not converge  
## Warning: glm.fit: algorithm did not converge  
## Warning: glm.fit: algorithm did not converge  
## Warning: glm.fit: algorithm did not converge  
  
##                                Df Deviance    AIC  
## - bmi_squared_r.1              1     0.00   60.00  
## - novsl_r.1                    1     0.00   60.00  
## - readmit_1y_yn_state.1        1     0.00   60.00  
## - anyakin.1                     1     0.00   60.00  
## - creatcat.1                   1     0.00   60.00  
## - anonymssd.1                  1     0.00   60.00  
## - lowoutput.1                   1     0.00   60.00  
## - bmicat.1                      1     0.00   60.00  
## - bmi1.1                        1     0.00   60.00  
## - bmi2.1                        1     0.00   60.00  
## - bmi3.1                       1     0.00   60.00
```

```

## - bmi4.1                1      0.00 60.00
## - lvedpm.1              1      0.00 60.00
## - anemiapre.1           1      0.00 60.00
## - iabpintra.1           1      0.00 60.00
## - lof1.1                1      0.00 60.00
## - cardblood.1           1      0.00 60.00
## - cardcold.1            1      0.00 60.00
## - hotshot.1             1      0.00 60.00
## - aoxcon.1              1      0.00 60.00
## - ultrafilyn.1          1      0.00 60.00
## - cabg.1                1      0.00 60.00
## - valve.1               1      0.00 60.00
## - gfr60pre.1            1      0.00 60.00
## - fluidprel.1           1      0.00 60.00
## - ptime120.1            1      0.00 60.00
## - heptotl.1             1      0.00 60.00
## - heptot5.1             1      0.00 60.00
## - train                 1      0.00 60.00
## <none>                  0.00 62.00
## - dead.1                1 919.18 979.18

## Warning: glm.fit: algorithm did not converge

##
## Step: AIC=60
## dead ~ dead.1 + novsl_r.1 + readmit_1y_yn_state.1 + anyakin.1 +
## creatcat.1 + anymssd.1 + lowoutput.1 + bmicat.1 + bmi1.1 +
## bmi2.1 + bmi3.1 + bmi4.1 + lvedpm.1 + anemiapre.1 + iabpintra.1 +
## lof1.1 + cardblood.1 + cardcold.1 + hotshot.1 + aoxcon.1 +
## ultrafilyn.1 + cabg.1 + valve.1 + gfr60pre.1 + fluidprel.1 +
## ptime120.1 + heptotl.1 + heptot5.1 + train

## Warning: glm.fit: algorithm did not converge

## Warning: glm.fit: algorithm did not converge

## Warning: glm.fit: algorithm did not converge

## Warning: glm.fit: algorithm did not converge

## Warning: glm.fit: algorithm did not converge

## Warning: glm.fit: algorithm did not converge

## Warning: glm.fit: algorithm did not converge

## Warning: glm.fit: algorithm did not converge

## Warning: glm.fit: algorithm did not converge

## Warning: glm.fit: algorithm did not converge

```

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## Warning: glm.fit: algorithm did not converge

## Warning: glm.fit: algorithm did not converge

## Warning: glm.fit: algorithm did not converge

## Warning: glm.fit: algorithm did not converge

## Warning: glm.fit: algorithm did not converge

## Warning: glm.fit: algorithm did not converge

## Warning: glm.fit: algorithm did not converge

## Warning: glm.fit: algorithm did not converge

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## Warning: glm.fit: algorithm did not converge

## Warning: glm.fit: algorithm did not converge

## Warning: glm.fit: algorithm did not converge

## Warning: glm.fit: algorithm did not converge

## Warning: glm.fit: algorithm did not converge

## Warning: glm.fit: algorithm did not converge

##
##           Df Deviance    AIC
## - novsl_r.1      1      0.00  58.00
## - readmit_1y_yn_state.1  1      0.00  58.00
## - anyakin.1      1      0.00  58.00
## - creatcat.1     1      0.00  58.00
## - anymssd.1     1      0.00  58.00
## - lowoutput.1   1      0.00  58.00
## - bmicat.1      1      0.00  58.00
## - bmi1.1        1      0.00  58.00
## - bmi2.1        1      0.00  58.00
## - bmi3.1        1      0.00  58.00
## - bmi4.1        1      0.00  58.00
## - lvedpm.1      1      0.00  58.00
## - anemiapre.1   1      0.00  58.00
## - iabpintra.1   1      0.00  58.00
## - lof1.1        1      0.00  58.00
## - cardblood.1   1      0.00  58.00
## - cardcold.1    1      0.00  58.00
## - hotshot.1     1      0.00  58.00
## - aoxcon.1      1      0.00  58.00
## - ultrafilyn.1  1      0.00  58.00

```

```

## - cabg.1          1      0.00  58.00
## - valve.1         1      0.00  58.00
## - gfr60pre.1      1      0.00  58.00
## - fluidprel.1     1      0.00  58.00
## - ptime120.1      1      0.00  58.00
## - heptotl.1       1      0.00  58.00
## - heptot5.1       1      0.00  58.00
## - train           1      0.00  58.00
## <none>             0.00  60.00
## - dead.1          1  922.37 980.37

## Warning: glm.fit: algorithm did not converge

##
## Step:  AIC=58
## dead ~ dead.1 + readmit_1y_yn_state.1 + anyakin.1 + creatcat.1 +
##      anymssd.1 + lowoutput.1 + bmicat.1 + bmi1.1 + bmi2.1 + bmi3.1 +
##      bmi4.1 + lvedpm.1 + anemiapre.1 + iabpintra.1 + lof1.1 +
##      cardblood.1 + cardcold.1 + hotshot.1 + aoxcon.1 + ultrafilyn.1 +
##      cabg.1 + valve.1 + gfr60pre.1 + fluidprel.1 + ptime120.1 +
##      heptotl.1 + heptot5.1 + train

## Warning: glm.fit: algorithm did not converge

## Warning: glm.fit: algorithm did not converge

## Warning: glm.fit: algorithm did not converge

## Warning: glm.fit: algorithm did not converge

## Warning: glm.fit: algorithm did not converge

## Warning: glm.fit: algorithm did not converge

## Warning: glm.fit: algorithm did not converge

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## Warning: glm.fit: algorithm did not converge

## Warning: glm.fit: algorithm did not converge

## Warning: glm.fit: algorithm did not converge

## Warning: glm.fit: algorithm did not converge

## Warning: glm.fit: algorithm did not converge

```



```

## Warning: glm.fit: algorithm did not converge

## Warning: glm.fit: algorithm did not converge

## Warning: glm.fit: algorithm did not converge

## Warning: glm.fit: algorithm did not converge

## Warning: glm.fit: algorithm did not converge

## Warning: glm.fit: algorithm did not converge

## Warning: glm.fit: algorithm did not converge

## Warning: glm.fit: algorithm did not converge

## Warning: glm.fit: algorithm did not converge

##
##           Df Deviance    AIC
## - readmit_1y_yn_state.1  1      0.00  56.00
## - anyakin.1              1      0.00  56.00
## - creatcat.1             1      0.00  56.00
## - anymssd.1              1      0.00  56.00
## - lowoutput.1            1      0.00  56.00
## - bmicat.1               1      0.00  56.00
## - bmi1.1                 1      0.00  56.00
## - bmi2.1                 1      0.00  56.00
## - bmi3.1                 1      0.00  56.00
## - bmi4.1                 1      0.00  56.00
## - lvedpm.1               1      0.00  56.00
## - anemiapre.1            1      0.00  56.00
## - iabpintra.1            1      0.00  56.00
## - lof1.1                 1      0.00  56.00
## - cardblood.1            1      0.00  56.00
## - cardcold.1             1      0.00  56.00
## - hotshot.1              1      0.00  56.00
## - aoxcon.1               1      0.00  56.00
## - ultrafilyn.1           1      0.00  56.00
## - cabg.1                 1      0.00  56.00
## - valve.1                1      0.00  56.00
## - gfr60pre.1             1      0.00  56.00
## - fluidprel.1            1      0.00  56.00
## - ptime120.1             1      0.00  56.00
## - heptotl.1              1      0.00  56.00
## - heptot5.1              1      0.00  56.00
## - train                  1      0.00  56.00
## <none>                   0.00  58.00
## - dead.1                 1  929.08 985.08

## Warning: glm.fit: algorithm did not converge

##

```

```

## Step: AIC=56
## dead ~ dead.1 + anyakin.1 + creatcat.1 + anymssd.1 + lowoutput.1 +
##      bmicat.1 + bmi1.1 + bmi2.1 + bmi3.1 + bmi4.1 + lvedpm.1 +
##      anemiapre.1 + iabpintra.1 + lof1.1 + cardblood.1 + cardcold.1 +
##      hotshot.1 + aoxcon.1 + ultrafilyn.1 + cabg.1 + valve.1 +
##      gfr60pre.1 + fluidprel.1 + ptime120.1 + heptotl.1 + heptot5.1 +
##      train

## Warning: glm.fit: algorithm did not converge

## Warning: glm.fit: algorithm did not converge

## Warning: glm.fit: algorithm did not converge

## Warning: glm.fit: algorithm did not converge

## Warning: glm.fit: algorithm did not converge

## Warning: glm.fit: algorithm did not converge

## Warning: glm.fit: algorithm did not converge

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## Warning: glm.fit: algorithm did not converge

## Warning: glm.fit: algorithm did not converge

## Warning: glm.fit: algorithm did not converge

## Warning: glm.fit: algorithm did not converge

## Warning: glm.fit: algorithm did not converge

## Warning: glm.fit: algorithm did not converge

## Warning: glm.fit: algorithm did not converge

## Warning: glm.fit: algorithm did not converge

```

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## Warning: glm.fit: algorithm did not converge

## Warning: glm.fit: algorithm did not converge

## Warning: glm.fit: algorithm did not converge

##           Df Deviance    AIC
## - anyakin.1    1     0.00  54.0
## - creatcat.1    1     0.00  54.0
## - anymssd.1     1     0.00  54.0
## - lowoutput.1   1     0.00  54.0
## - bmicat.1      1     0.00  54.0
## - bmi1.1        1     0.00  54.0
## - bmi2.1        1     0.00  54.0
## - bmi3.1        1     0.00  54.0
## - bmi4.1        1     0.00  54.0
## - lvedpm.1      1     0.00  54.0
## - anemiapre.1   1     0.00  54.0
## - iabpintra.1   1     0.00  54.0
## - lof1.1        1     0.00  54.0
## - cardblood.1   1     0.00  54.0
## - cardcold.1    1     0.00  54.0
## - hotshot.1     1     0.00  54.0
## - aoxcon.1      1     0.00  54.0
## - ultrafilyn.1  1     0.00  54.0
## - cabg.1        1     0.00  54.0
## - valve.1       1     0.00  54.0
## - gfr60pre.1    1     0.00  54.0
## - fluidprel.1   1     0.00  54.0
## - ptime120.1    1     0.00  54.0
## - heptotl.1     1     0.00  54.0
## - heptot5.1     1     0.00  54.0
## - train         1     0.00  54.0
## <none>          0     0.00  56.0
## - dead.1        1  951.19 1005.2

## Warning: glm.fit: algorithm did not converge

##
## Step:  AIC=54
## dead ~ dead.1 + creatcat.1 + anymssd.1 + lowoutput.1 + bmicat.1 +
##       bmi1.1 + bmi2.1 + bmi3.1 + bmi4.1 + lvedpm.1 + anemiapre.1 +
##       iabpintra.1 + lof1.1 + cardblood.1 + cardcold.1 + hotshot.1 +
##       aoxcon.1 + ultrafilyn.1 + cabg.1 + valve.1 + gfr60pre.1 +
##       fluidprel.1 + ptime120.1 + heptotl.1 + heptot5.1 + train

## Warning: glm.fit: algorithm did not converge

## Warning: glm.fit: algorithm did not converge

## Warning: glm.fit: algorithm did not converge

## Warning: glm.fit: algorithm did not converge

## Warning: glm.fit: algorithm did not converge

```



```

## - cardcold.1      1      0.0  52.0
## - hotshot.1       1      0.0  52.0
## - aoxcon.1        1      0.0  52.0
## - ultrafilyn.1    1      0.0  52.0
## - cabg.1          1      0.0  52.0
## - valve.1         1      0.0  52.0
## - gfr60pre.1      1      0.0  52.0
## - fluidprel.1     1      0.0  52.0
## - ptime120.1      1      0.0  52.0
## - heptotl.1       1      0.0  52.0
## - heptot5.1       1      0.0  52.0
## - train           1      0.0  52.0
## <none>            0.0  54.0
## - dead.1          1    951.9 1003.9

## Warning: glm.fit: algorithm did not converge

##
## Step:  AIC=52
## dead ~ dead.1 + anymssd.1 + lowoutput.1 + bmicat.1 + bmi1.1 +
##      bmi2.1 + bmi3.1 + bmi4.1 + lvedpm.1 + anemiapre.1 + iabpintra.1 +
##      lof1.1 + cardblood.1 + cardcold.1 + hotshot.1 + aoxcon.1 +
##      ultrafilyn.1 + cabg.1 + valve.1 + gfr60pre.1 + fluidprel.1 +
##      ptime120.1 + heptotl.1 + heptot5.1 + train

## Warning: glm.fit: algorithm did not converge

## Warning: glm.fit: algorithm did not converge

## Warning: glm.fit: algorithm did not converge

## Warning: glm.fit: algorithm did not converge

## Warning: glm.fit: algorithm did not converge

## Warning: glm.fit: algorithm did not converge

## Warning: glm.fit: algorithm did not converge

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## Warning: glm.fit: algorithm did not converge

## Warning: glm.fit: algorithm did not converge

## Warning: glm.fit: algorithm did not converge

## Warning: glm.fit: algorithm did not converge

```

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## Warning: glm.fit: algorithm did not converge

## Warning: glm.fit: algorithm did not converge

## Warning: glm.fit: algorithm did not converge

## Warning: glm.fit: algorithm did not converge

## Warning: glm.fit: algorithm did not converge

## Warning: glm.fit: algorithm did not converge

## Warning: glm.fit: algorithm did not converge

## Warning: glm.fit: algorithm did not converge

## Warning: glm.fit: algorithm did not converge

##          Df Deviance    AIC
## - anymssd.1    1     0.00  50.0
## - lowoutput.1   1     0.00  50.0
## - bmicat.1      1     0.00  50.0
## - bmi1.1        1     0.00  50.0
## - bmi2.1        1     0.00  50.0
## - bmi3.1        1     0.00  50.0
## - bmi4.1        1     0.00  50.0
## - lvedpm.1      1     0.00  50.0
## - anemiapre.1   1     0.00  50.0
## - iabpintra.1   1     0.00  50.0
## - lof1.1        1     0.00  50.0
## - cardblood.1   1     0.00  50.0
## - cardcold.1    1     0.00  50.0
## - hotshot.1     1     0.00  50.0
## - aoxcon.1      1     0.00  50.0
## - ultrafilyn.1  1     0.00  50.0
## - cabg.1        1     0.00  50.0
## - valve.1       1     0.00  50.0
## - gfr60pre.1    1     0.00  50.0
## - fluidprel.1   1     0.00  50.0
## - ptime120.1    1     0.00  50.0
## - heptotl.1     1     0.00  50.0
## - heptot5.1     1     0.00  50.0
## - train         1     0.00  50.0
## <none>          0     0.00  52.0
## - dead.1        1  964.15 1014.1

## Warning: glm.fit: algorithm did not converge

##
## Step:  AIC=50
## dead ~ dead.1 + lowoutput.1 + bmicat.1 + bmi1.1 + bmi2.1 + bmi3.1 +
##      bmi4.1 + lvedpm.1 + anemiapre.1 + iabpintra.1 + lof1.1 +
##      cardblood.1 + cardcold.1 + hotshot.1 + aoxcon.1 + ultrafilyn.1 +
##      cabg.1 + valve.1 + gfr60pre.1 + fluidprel.1 + ptime120.1 +
##      heptotl.1 + heptot5.1 + train

```

[illegible]

```

## - anemiapre.1 1 0.00 48.0
## - iabpintra.1 1 0.00 48.0
## - lof1.1 1 0.00 48.0
## - cardblood.1 1 0.00 48.0
## - cardcold.1 1 0.00 48.0
## - hotshot.1 1 0.00 48.0
## - aoxcon.1 1 0.00 48.0
## - ultrafilyn.1 1 0.00 48.0
## - cabg.1 1 0.00 48.0
## - valve.1 1 0.00 48.0
## - gfr60pre.1 1 0.00 48.0
## - fluidprel.1 1 0.00 48.0
## - ptime120.1 1 0.00 48.0
## - heptotl.1 1 0.00 48.0
## - heptot5.1 1 0.00 48.0
## - train 1 0.00 48.0
## <none> 0.00 50.0
## - dead.1 1 968.85 1016.9

## Warning: glm.fit: algorithm did not converge

##
## Step: AIC=48
## dead ~ dead.1 + bmicat.1 + bmi1.1 + bmi2.1 + bmi3.1 + bmi4.1 +
## lvedpm.1 + anemiapre.1 + iabpintra.1 + lof1.1 + cardblood.1 +
## cardcold.1 + hotshot.1 + aoxcon.1 + ultrafilyn.1 + cabg.1 +
## valve.1 + gfr60pre.1 + fluidprel.1 + ptime120.1 + heptotl.1 +
## heptot5.1 + train

## Warning: glm.fit: algorithm did not converge

## Warning: glm.fit: algorithm did not converge

## Warning: glm.fit: algorithm did not converge

## Warning: glm.fit: algorithm did not converge

## Warning: glm.fit: algorithm did not converge

## Warning: glm.fit: algorithm did not converge

## Warning: glm.fit: algorithm did not converge

## Warning: glm.fit: algorithm did not converge

## Warning: glm.fit: algorithm did not converge

## Warning: glm.fit: algorithm did not converge

## Warning: glm.fit: algorithm did not converge

## Warning: glm.fit: algorithm did not converge

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## Warning: glm.fit: algorithm did not converge

## Warning: glm.fit: algorithm did not converge

## Warning: glm.fit: algorithm did not converge

## Warning: glm.fit: algorithm did not converge

## Warning: glm.fit: algorithm did not converge

## Warning: glm.fit: algorithm did not converge

## Warning: glm.fit: algorithm did not converge

## Warning: glm.fit: algorithm did not converge

## Warning: glm.fit: algorithm did not converge

##
##      Df Deviance  AIC
## - bmicat.1      1      0.00  46
## - bmi1.1        1      0.00  46
## - bmi2.1        1      0.00  46
## - bmi3.1        1      0.00  46
## - bmi4.1        1      0.00  46
## - lvedpm.1      1      0.00  46
## - anemiapre.1   1      0.00  46
## - iabpintra.1   1      0.00  46
## - lof1.1        1      0.00  46
## - cardblood.1   1      0.00  46
## - cardcold.1    1      0.00  46
## - hotshot.1     1      0.00  46
## - aoxcon.1      1      0.00  46
## - ultrafilyn.1  1      0.00  46
## - cabg.1        1      0.00  46
## - valve.1       1      0.00  46
## - gfr60pre.1    1      0.00  46
## - fluidprel.1   1      0.00  46
## - ptime120.1    1      0.00  46
## - heptotl.1     1      0.00  46
## - heptot5.1     1      0.00  46
## - train         1      0.00  46
## <none>          0.00  48
## - dead.1        1  969.99 1016

## Warning: glm.fit: algorithm did not converge

##
## Step:  AIC=46
## dead ~ dead.1 + bmi1.1 + bmi2.1 + bmi3.1 + bmi4.1 + lvedpm.1 +
##      anemiapre.1 + iabpintra.1 + lof1.1 + cardblood.1 + cardcold.1 +
##      hotshot.1 + aoxcon.1 + ultrafilyn.1 + cabg.1 + valve.1 +
##      gfr60pre.1 + fluidprel.1 + ptime120.1 + heptotl.1 + heptot5.1 +
##      train

## Warning: glm.fit: algorithm did not converge

```

```

## Warning: glm.fit: algorithm did not converge
## Warning: glm.fit: algorithm did not converge
## Warning: glm.fit: algorithm did not converge
## Warning: glm.fit: algorithm did not converge
## Warning: glm.fit: algorithm did not converge
## Warning: glm.fit: algorithm did not converge
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## Warning: glm.fit: algorithm did not converge
## Warning: glm.fit: algorithm did not converge
## Warning: glm.fit: algorithm did not converge
## Warning: glm.fit: algorithm did not converge
## Warning: glm.fit: algorithm did not converge
## Warning: glm.fit: algorithm did not converge
## Warning: glm.fit: algorithm did not converge
## Warning: glm.fit: algorithm did not converge
##
##           Df Deviance  AIC
## - bmi1.1      1     0.00  44
## - bmi2.1      1     0.00  44
## - bmi3.1      1     0.00  44
## - bmi4.1      1     0.00  44
## - lvedpm.1    1     0.00  44
## - anemiapre.1 1     0.00  44
## - iabpintra.1 1     0.00  44
## - lof1.1      1     0.00  44
## - cardblood.1 1     0.00  44
## - cardcold.1  1     0.00  44
## - hotshot.1   1     0.00  44
## - aoxcon.1    1     0.00  44
## - ultrafilyn.1 1     0.00  44

```

```

## - cabg.1      1      0.00  44
## - valve.1     1      0.00  44
## - gfr60pre.1  1      0.00  44
## - fluidprel.1 1      0.00  44
## - ptime120.1  1      0.00  44
## - heptotl.1   1      0.00  44
## - heptot5.1   1      0.00  44
## - train       1      0.00  44
## <none>        0.00  46
## - dead.1      1  969.99 1014

## Warning: glm.fit: algorithm did not converge

##
## Step: AIC=44
## dead ~ dead.1 + bmi2.1 + bmi3.1 + bmi4.1 + lvedpm.1 + anemiapre.1 +
## iabpintra.1 + lof1.1 + cardblood.1 + cardcold.1 + hotshot.1 +
## aoxcon.1 + ultrafilyn.1 + cabg.1 + valve.1 + gfr60pre.1 +
## fluidprel.1 + ptime120.1 + heptotl.1 + heptot5.1 + train

## Warning: glm.fit: algorithm did not converge

## Warning: glm.fit: algorithm did not converge

## Warning: glm.fit: algorithm did not converge

## Warning: glm.fit: algorithm did not converge

## Warning: glm.fit: algorithm did not converge

## Warning: glm.fit: algorithm did not converge

## Warning: glm.fit: algorithm did not converge

## Warning: glm.fit: algorithm did not converge

## Warning: glm.fit: algorithm did not converge

## Warning: glm.fit: algorithm did not converge

## Warning: glm.fit: algorithm did not converge

## Warning: glm.fit: algorithm did not converge

## Warning: glm.fit: algorithm did not converge

## Warning: glm.fit: algorithm did not converge

## Warning: glm.fit: algorithm did not converge

## Warning: glm.fit: algorithm did not converge

## Warning: glm.fit: algorithm did not converge

```

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## Warning: glm.fit: algorithm did not converge

## Warning: glm.fit: algorithm did not converge

##           Df Deviance    AIC
## - bmi2.1      1      0.0  42.0
## - bmi3.1      1      0.0  42.0
## - bmi4.1      1      0.0  42.0
## - lvedpm.1     1      0.0  42.0
## - anemiapre.1  1      0.0  42.0
## - iabpintra.1  1      0.0  42.0
## - lof1.1       1      0.0  42.0
## - cardblood.1  1      0.0  42.0
## - cardcold.1   1      0.0  42.0
## - hotshot.1    1      0.0  42.0
## - aoxcon.1     1      0.0  42.0
## - ultrafilyn.1 1      0.0  42.0
## - cabg.1       1      0.0  42.0
## - valve.1      1      0.0  42.0
## - gfr60pre.1   1      0.0  42.0
## - fluidprel.1  1      0.0  42.0
## - ptime120.1   1      0.0  42.0
## - heptotl.1    1      0.0  42.0
## - heptot5.1    1      0.0  42.0
## - train        1      0.0  42.0
## <none>         0.0  44.0
## - dead.1       1  975.7 1017.7

## Warning: glm.fit: algorithm did not converge

##
## Step:  AIC=42
## dead ~ dead.1 + bmi3.1 + bmi4.1 + lvedpm.1 + anemiapre.1 + iabpintra.1 +
##       lof1.1 + cardblood.1 + cardcold.1 + hotshot.1 + aoxcon.1 +
##       ultrafilyn.1 + cabg.1 + valve.1 + gfr60pre.1 + fluidprel.1 +
##       ptime120.1 + heptotl.1 + heptot5.1 + train

## Warning: glm.fit: algorithm did not converge

## Warning: glm.fit: algorithm did not converge

## Warning: glm.fit: algorithm did not converge

## Warning: glm.fit: algorithm did not converge

## Warning: glm.fit: algorithm did not converge

## Warning: glm.fit: algorithm did not converge

## Warning: glm.fit: algorithm did not converge

## Warning: glm.fit: algorithm did not converge

## Warning: glm.fit: algorithm did not converge

```

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## Warning: glm.fit: algorithm did not converge

## Warning: glm.fit: algorithm did not converge

## Warning: glm.fit: algorithm did not converge

## Warning: glm.fit: algorithm did not converge

## Warning: glm.fit: algorithm did not converge

## Warning: glm.fit: algorithm did not converge

## Warning: glm.fit: algorithm did not converge

## Warning: glm.fit: algorithm did not converge

## Warning: glm.fit: algorithm did not converge

## Warning: glm.fit: algorithm did not converge

##          Df Deviance    AIC
## - bmi3.1      1      0.00  40.0
## - bmi4.1      1      0.00  40.0
## - lvedpm.1     1      0.00  40.0
## - anemiapre.1  1      0.00  40.0
## - iabpintra.1  1      0.00  40.0
## - lof1.1       1      0.00  40.0
## - cardblood.1  1      0.00  40.0
## - cardcold.1   1      0.00  40.0
## - hotshot.1    1      0.00  40.0
## - aoxcon.1     1      0.00  40.0
## - ultrafilyn.1 1      0.00  40.0
## - cabg.1       1      0.00  40.0
## - valve.1      1      0.00  40.0
## - gfr60pre.1   1      0.00  40.0
## - fluidprel.1  1      0.00  40.0
## - ptime120.1   1      0.00  40.0
## - heptotl.1    1      0.00  40.0
## - heptot5.1    1      0.00  40.0
## - train        1      0.00  40.0
## <none>         0.00  42.0
## - dead.1       1  975.81 1015.8

## Warning: glm.fit: algorithm did not converge

##
## Step:  AIC=40
## dead ~ dead.1 + bmi4.1 + lvedpm.1 + anemiapre.1 + iabpintra.1 +
##      lof1.1 + cardblood.1 + cardcold.1 + hotshot.1 + aoxcon.1 +
##      ultrafilyn.1 + cabg.1 + valve.1 + gfr60pre.1 + fluidprel.1 +
##      ptime120.1 + heptotl.1 + heptot5.1 + train

## Warning: glm.fit: algorithm did not converge

## Warning: glm.fit: algorithm did not converge

```

```

## Warning: glm.fit: algorithm did not converge
## Warning: glm.fit: algorithm did not converge
## Warning: glm.fit: algorithm did not converge
## Warning: glm.fit: algorithm did not converge
## Warning: glm.fit: algorithm did not converge
## Warning: glm.fit: algorithm did not converge
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## Warning: glm.fit: algorithm did not converge
## Warning: glm.fit: algorithm did not converge
## Warning: glm.fit: algorithm did not converge
## Warning: glm.fit: algorithm did not converge
## Warning: glm.fit: algorithm did not converge
## Warning: glm.fit: algorithm did not converge
## Warning: glm.fit: algorithm did not converge
##
##           Df Deviance    AIC
## - bmi4.1      1      0.00  38.0
## - lvedpm.1     1      0.00  38.0
## - anemiapre.1  1      0.00  38.0
## - iabpintra.1  1      0.00  38.0
## - lof1.1       1      0.00  38.0
## - cardblood.1  1      0.00  38.0
## - cardcold.1   1      0.00  38.0
## - hotshot.1    1      0.00  38.0
## - aoxcon.1     1      0.00  38.0
## - ultrafilyn.1 1      0.00  38.0
## - cabg.1       1      0.00  38.0
## - valve.1      1      0.00  38.0
## - gfr60pre.1   1      0.00  38.0
## - fluidprel.1  1      0.00  38.0
## - ptime120.1   1      0.00  38.0
## - heptotl.1    1      0.00  38.0
## - heptot5.1    1      0.00  38.0
## - train        1      0.00  38.0
## <none>         0.00  40.0
## - dead.1       1  976.76 1014.8
## Warning: glm.fit: algorithm did not converge

```

```

##
## Step: AIC=38
## dead ~ dead.1 + lvedpm.1 + anemiapre.1 + iabpintra.1 + lof1.1 +
##      cardblood.1 + cardcold.1 + hotshot.1 + aoxcon.1 + ultrafilyn.1 +
##      cabg.1 + valve.1 + gfr60pre.1 + fluidprel.1 + ptime120.1 +
##      heptotl.1 + heptot5.1 + train
## Warning: glm.fit: algorithm did not converge

## Warning: glm.fit: algorithm did not converge

## Warning: glm.fit: algorithm did not converge

## Warning: glm.fit: algorithm did not converge

## Warning: glm.fit: algorithm did not converge

## Warning: glm.fit: algorithm did not converge

## Warning: glm.fit: algorithm did not converge

## Warning: glm.fit: algorithm did not converge

## Warning: glm.fit: algorithm did not converge

## Warning: glm.fit: algorithm did not converge

## Warning: glm.fit: algorithm did not converge

## Warning: glm.fit: algorithm did not converge

## Warning: glm.fit: algorithm did not converge

## Warning: glm.fit: algorithm did not converge

## Warning: glm.fit: algorithm did not converge

##
##           Df Deviance    AIC
## - lvedpm.1    1     0.00  36.0
## - anemiapre.1  1     0.00  36.0
## - iabpintra.1  1     0.00  36.0
## - lof1.1       1     0.00  36.0
## - cardblood.1  1     0.00  36.0
## - cardcold.1   1     0.00  36.0
## - hotshot.1    1     0.00  36.0
## - aoxcon.1     1     0.00  36.0
## - ultrafilyn.1 1     0.00  36.0
## - cabg.1       1     0.00  36.0
## - valve.1      1     0.00  36.0
## - gfr60pre.1   1     0.00  36.0
## - fluidprel.1  1     0.00  36.0

```

```

## - ptime120.1      1      0.00  36.0
## - heptotl.1       1      0.00  36.0
## - heptot5.1       1      0.00  36.0
## - train           1      0.00  36.0
## <none>            0.00  38.0
## - dead.1          1  979.32 1015.3

## Warning: glm.fit: algorithm did not converge
##
## Step:  AIC=36
## dead ~ dead.1 + anemiapre.1 + iabpintra.1 + lof1.1 + cardblood.1 +
##      cardcold.1 + hotshot.1 + aoxcon.1 + ultrafilyn.1 + cabg.1 +
##      valve.1 + gfr60pre.1 + fluidprel.1 + ptime120.1 + heptotl.1 +
##      heptot5.1 + train

## Warning: glm.fit: algorithm did not converge

## Warning: glm.fit: algorithm did not converge

## Warning: glm.fit: algorithm did not converge

## Warning: glm.fit: algorithm did not converge

## Warning: glm.fit: algorithm did not converge

## Warning: glm.fit: algorithm did not converge

## Warning: glm.fit: algorithm did not converge

## Warning: glm.fit: algorithm did not converge

## Warning: glm.fit: algorithm did not converge

## Warning: glm.fit: algorithm did not converge

## Warning: glm.fit: algorithm did not converge

## Warning: glm.fit: algorithm did not converge

## Warning: glm.fit: algorithm did not converge

## Warning: glm.fit: algorithm did not converge

## Warning: glm.fit: algorithm did not converge

##
##           Df Deviance    AIC
## - anemiapre.1  1      0.00  34.0
## - iabpintra.1  1      0.00  34.0
## - lof1.1       1      0.00  34.0
## - cardblood.1  1      0.00  34.0
## - cardcold.1   1      0.00  34.0
## - hotshot.1    1      0.00  34.0
## - aoxcon.1     1      0.00  34.0

```



```

## - ultrafilyn.1 1 0.00 34.0
## - cabg.1 1 0.00 34.0
## - valve.1 1 0.00 34.0
## - gfr60pre.1 1 0.00 34.0
## - fluidprel.1 1 0.00 34.0
## - ptime120.1 1 0.00 34.0
## - heptotl.1 1 0.00 34.0
## - heptot5.1 1 0.00 34.0
## - train 1 0.00 34.0
## <none> 0.00 36.0
## - dead.1 1 981.08 1015.1

## Warning: glm.fit: algorithm did not converge

##
## Step: AIC=34
## dead ~ dead.1 + iabpintra.1 + lof1.1 + cardblood.1 + cardcold.1 +
## hotshot.1 + aoxcon.1 + ultrafilyn.1 + cabg.1 + valve.1 +
## gfr60pre.1 + fluidprel.1 + ptime120.1 + heptotl.1 + heptot5.1 +
## train

## Warning: glm.fit: algorithm did not converge

## Warning: glm.fit: algorithm did not converge

## Warning: glm.fit: algorithm did not converge

## Warning: glm.fit: algorithm did not converge

## Warning: glm.fit: algorithm did not converge

## Warning: glm.fit: algorithm did not converge

## Warning: glm.fit: algorithm did not converge

## Warning: glm.fit: algorithm did not converge

## Warning: glm.fit: algorithm did not converge

## Warning: glm.fit: algorithm did not converge

## Warning: glm.fit: algorithm did not converge

## Warning: glm.fit: algorithm did not converge

## Warning: glm.fit: algorithm did not converge

## Warning: glm.fit: algorithm did not converge

##
## Df Deviance AIC
## - iabpintra.1 1 0.0 32.0
## - lof1.1 1 0.0 32.0
## - cardblood.1 1 0.0 32.0
## - cardcold.1 1 0.0 32.0

```

```

## - hotshot.1      1      0.0  32.0
## - aoxcon.1       1      0.0  32.0
## - ultrafilyn.1   1      0.0  32.0
## - cabg.1         1      0.0  32.0
## - valve.1        1      0.0  32.0
## - gfr60pre.1     1      0.0  32.0
## - fluidprel.1    1      0.0  32.0
## - ptime120.1     1      0.0  32.0
## - heptotl.1      1      0.0  32.0
## - heptot5.1      1      0.0  32.0
## - train          1      0.0  32.0
## <none>           0.0  34.0
## - dead.1         1  1000.1 1032.1

## Warning: glm.fit: algorithm did not converge

##
## Step: AIC=32
## dead ~ dead.1 + lof1.1 + cardblood.1 + cardcold.1 + hotshot.1 +
##      aoxcon.1 + ultrafilyn.1 + cabg.1 + valve.1 + gfr60pre.1 +
##      fluidprel.1 + ptime120.1 + heptotl.1 + heptot5.1 + train

## Warning: glm.fit: algorithm did not converge

## Warning: glm.fit: algorithm did not converge

## Warning: glm.fit: algorithm did not converge

## Warning: glm.fit: algorithm did not converge

## Warning: glm.fit: algorithm did not converge

## Warning: glm.fit: algorithm did not converge

## Warning: glm.fit: algorithm did not converge

## Warning: glm.fit: algorithm did not converge

## Warning: glm.fit: algorithm did not converge

## Warning: glm.fit: algorithm did not converge

## Warning: glm.fit: algorithm did not converge

## Warning: glm.fit: algorithm did not converge

## Warning: glm.fit: algorithm did not converge

## Warning: glm.fit: algorithm did not converge

##
##      Df Deviance    AIC
## - lof1.1      1      0.0  30.0
## - cardblood.1  1      0.0  30.0
## - cardcold.1  1      0.0  30.0
## - hotshot.1   1      0.0  30.0
## - aoxcon.1    1      0.0  30.0

```

```

## - ultrafilyn.1 1 0.0 30.0
## - cabg.1 1 0.0 30.0
## - valve.1 1 0.0 30.0
## - gfr60pre.1 1 0.0 30.0
## - fluidprel.1 1 0.0 30.0
## - ptime120.1 1 0.0 30.0
## - heptotl.1 1 0.0 30.0
## - heptot5.1 1 0.0 30.0
## - train 1 0.0 30.0
## <none> 0.0 32.0
## - dead.1 1 1004.8 1034.8

## Warning: glm.fit: algorithm did not converge

##
## Step: AIC=30
## dead ~ dead.1 + cardblood.1 + cardcold.1 + hotshot.1 + aoxcon.1 +
## ultrafilyn.1 + cabg.1 + valve.1 + gfr60pre.1 + fluidprel.1 +
## ptime120.1 + heptotl.1 + heptot5.1 + train

## Warning: glm.fit: algorithm did not converge

## Warning: glm.fit: algorithm did not converge

## Warning: glm.fit: algorithm did not converge

## Warning: glm.fit: algorithm did not converge

## Warning: glm.fit: algorithm did not converge

## Warning: glm.fit: algorithm did not converge

## Warning: glm.fit: algorithm did not converge

## Warning: glm.fit: algorithm did not converge

## Warning: glm.fit: algorithm did not converge

## Warning: glm.fit: algorithm did not converge

## Warning: glm.fit: algorithm did not converge

## Warning: glm.fit: algorithm did not converge

##
## Df Deviance AIC
## - cardblood.1 1 0.0 28.0
## - cardcold.1 1 0.0 28.0
## - hotshot.1 1 0.0 28.0
## - aoxcon.1 1 0.0 28.0
## - ultrafilyn.1 1 0.0 28.0
## - cabg.1 1 0.0 28.0
## - valve.1 1 0.0 28.0
## - gfr60pre.1 1 0.0 28.0
## - fluidprel.1 1 0.0 28.0

```

```

## - ptime120.1      1      0.0  28.0
## - heptotl.1       1      0.0  28.0
## - heptot5.1       1      0.0  28.0
## - train           1      0.0  28.0
## <none>            0.0  30.0
## - dead.1          1  1016.4 1044.3

## Warning: glm.fit: algorithm did not converge

##
## Step: AIC=28
## dead ~ dead.1 + cardcold.1 + hotshot.1 + aoxcon.1 + ultrafilyn.1 +
##      cabg.1 + valve.1 + gfr60pre.1 + fluidprel.1 + ptime120.1 +
##      heptotl.1 + heptot5.1 + train

## Warning: glm.fit: algorithm did not converge

## Warning: glm.fit: algorithm did not converge

## Warning: glm.fit: algorithm did not converge

## Warning: glm.fit: algorithm did not converge

## Warning: glm.fit: algorithm did not converge

## Warning: glm.fit: algorithm did not converge

## Warning: glm.fit: algorithm did not converge

## Warning: glm.fit: algorithm did not converge

## Warning: glm.fit: algorithm did not converge

## Warning: glm.fit: algorithm did not converge

## Warning: glm.fit: algorithm did not converge

##
##      Df Deviance    AIC
## - cardcold.1    1      0.0  26.0
## - hotshot.1     1      0.0  26.0
## - aoxcon.1      1      0.0  26.0
## - ultrafilyn.1  1      0.0  26.0
## - cabg.1        1      0.0  26.0
## - valve.1       1      0.0  26.0
## - gfr60pre.1    1      0.0  26.0
## - fluidprel.1   1      0.0  26.0
## - ptime120.1    1      0.0  26.0
## - heptotl.1     1      0.0  26.0
## - heptot5.1     1      0.0  26.0
## - train         1      0.0  26.0
## <none>          0.0  28.0
## - dead.1        1  1016.4 1042.4

## Warning: glm.fit: algorithm did not converge

```

```

##
## Step: AIC=26
## dead ~ dead.1 + hotshot.1 + aoxcon.1 + ultrafilyn.1 + cabg.1 +
##      valve.1 + gfr60pre.1 + fluidprel.1 + ptime120.1 + heptotl.1 +
##      heptot5.1 + train
## Warning: glm.fit: algorithm did not converge

## Warning: glm.fit: algorithm did not converge

## Warning: glm.fit: algorithm did not converge

## Warning: glm.fit: algorithm did not converge

## Warning: glm.fit: algorithm did not converge

## Warning: glm.fit: algorithm did not converge

## Warning: glm.fit: algorithm did not converge

## Warning: glm.fit: algorithm did not converge

## Warning: glm.fit: algorithm did not converge

## Warning: glm.fit: algorithm did not converge

##
##      Df Deviance    AIC
## - hotshot.1    1      0.0  24.0
## - aoxcon.1     1      0.0  24.0
## - ultrafilyn.1 1      0.0  24.0
## - cabg.1       1      0.0  24.0
## - valve.1      1      0.0  24.0
## - gfr60pre.1   1      0.0  24.0
## - fluidprel.1  1      0.0  24.0
## - ptime120.1   1      0.0  24.0
## - heptotl.1    1      0.0  24.0
## - heptot5.1    1      0.0  24.0
## - train        1      0.0  24.0
## <none>         0.0  26.0
## - dead.1       1  1016.6 1040.6
## Warning: glm.fit: algorithm did not converge

##
## Step: AIC=24
## dead ~ dead.1 + aoxcon.1 + ultrafilyn.1 + cabg.1 + valve.1 +
##      gfr60pre.1 + fluidprel.1 + ptime120.1 + heptotl.1 + heptot5.1 +
##      train
## Warning: glm.fit: algorithm did not converge

## Warning: glm.fit: algorithm did not converge

## Warning: glm.fit: algorithm did not converge

```

```

## Warning: glm.fit: algorithm did not converge

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## Warning: glm.fit: algorithm did not converge

## Warning: glm.fit: algorithm did not converge

##
##           Df Deviance    AIC
## - aoxcon.1    1      0.0   22.0
## - ultrafilyn.1 1      0.0   22.0
## - cabg.1       1      0.0   22.0
## - valve.1      1      0.0   22.0
## - gfr60pre.1   1      0.0   22.0
## - fluidprel.1  1      0.0   22.0
## - ptime120.1   1      0.0   22.0
## - heptotl.1    1      0.0   22.0
## - heptot5.1    1      0.0   22.0
## - train        1      0.0   22.0
## <none>         1      0.0   24.0
## - dead.1       1 1017.3 1039.3

## Warning: glm.fit: algorithm did not converge

##
## Step:  AIC=22
## dead ~ dead.1 + ultrafilyn.1 + cabg.1 + valve.1 + gfr60pre.1 +
##       fluidprel.1 + ptime120.1 + heptotl.1 + heptot5.1 + train

## Warning: glm.fit: algorithm did not converge

## Warning: glm.fit: algorithm did not converge

## Warning: glm.fit: algorithm did not converge

## Warning: glm.fit: algorithm did not converge

## Warning: glm.fit: algorithm did not converge

## Warning: glm.fit: algorithm did not converge

## Warning: glm.fit: algorithm did not converge

## Warning: glm.fit: algorithm did not converge

## Warning: glm.fit: algorithm did not converge

## Warning: glm.fit: algorithm did not converge

##
##           Df Deviance    AIC
## - ultrafilyn.1 1      0.0   20.0

```

```

## - cabg.1      1      0.0  20.0
## - valve.1     1      0.0  20.0
## - gfr60pre.1  1      0.0  20.0
## - fluidprel.1 1      0.0  20.0
## - ptime120.1  1      0.0  20.0
## - heptotl.1   1      0.0  20.0
## - heptot5.1   1      0.0  20.0
## - train       1      0.0  20.0
## <none>        0.0  22.0
## - dead.1      1  1017.3 1037.3

## Warning: glm.fit: algorithm did not converge

##
## Step: AIC=20
## dead ~ dead.1 + cabg.1 + valve.1 + gfr60pre.1 + fluidprel.1 +
##      ptime120.1 + heptotl.1 + heptot5.1 + train
## Warning: glm.fit: algorithm did not converge

## Warning: glm.fit: algorithm did not converge

## Warning: glm.fit: algorithm did not converge

## Warning: glm.fit: algorithm did not converge

## Warning: glm.fit: algorithm did not converge

## Warning: glm.fit: algorithm did not converge

## Warning: glm.fit: algorithm did not converge

## Warning: glm.fit: algorithm did not converge

##      Df Deviance   AIC
## - cabg.1      1      0.0  18.0
## - valve.1     1      0.0  18.0
## - gfr60pre.1  1      0.0  18.0
## - fluidprel.1 1      0.0  18.0
## - ptime120.1  1      0.0  18.0
## - heptotl.1   1      0.0  18.0
## - heptot5.1   1      0.0  18.0
## - train       1      0.0  18.0
## <none>        0.0  20.0
## - dead.1      1  1027.4 1045.4

## Warning: glm.fit: algorithm did not converge

##
## Step: AIC=18
## dead ~ dead.1 + valve.1 + gfr60pre.1 + fluidprel.1 + ptime120.1 +
##      heptotl.1 + heptot5.1 + train
## Warning: glm.fit: algorithm did not converge

## Warning: glm.fit: algorithm did not converge

```

```

## Warning: glm.fit: algorithm did not converge

## Warning: glm.fit: algorithm did not converge

## Warning: glm.fit: algorithm did not converge

## Warning: glm.fit: algorithm did not converge

## Warning: glm.fit: algorithm did not converge

##           Df Deviance    AIC
## - valve.1      1      0.0   16.0
## - gfr60pre.1    1      0.0   16.0
## - fluidprel.1   1      0.0   16.0
## - ptime120.1    1      0.0   16.0
## - heptotl.1     1      0.0   16.0
## - heptot5.1     1      0.0   16.0
## - train         1      0.0   16.0
## <none>          1      0.0   18.0
## - dead.1        1  1028.9 1044.9

## Warning: glm.fit: algorithm did not converge

##
## Step:  AIC=16
## dead ~ dead.1 + gfr60pre.1 + fluidprel.1 + ptime120.1 + heptotl.1 +
##       heptot5.1 + train

## Warning: glm.fit: algorithm did not converge

## Warning: glm.fit: algorithm did not converge

## Warning: glm.fit: algorithm did not converge

## Warning: glm.fit: algorithm did not converge

## Warning: glm.fit: algorithm did not converge

## Warning: glm.fit: algorithm did not converge

##           Df Deviance    AIC
## - gfr60pre.1    1      0.0   14.0
## - fluidprel.1   1      0.0   14.0
## - ptime120.1    1      0.0   14.0
## - heptotl.1     1      0.0   14.0
## - heptot5.1     1      0.0   14.0
## - train         1      0.0   14.0
## <none>          1      0.0   16.0
## - dead.1        1  1029.3 1043.3

## Warning: glm.fit: algorithm did not converge

##
## Step:  AIC=14
## dead ~ dead.1 + fluidprel.1 + ptime120.1 + heptotl.1 + heptot5.1 +
##       train

## Warning: glm.fit: algorithm did not converge

```



```

## Warning: glm.fit: algorithm did not converge

## Warning: glm.fit: algorithm did not converge

## Warning: glm.fit: algorithm did not converge

## Warning: glm.fit: algorithm did not converge

##           Df Deviance    AIC
## - fluidprel.1 1      0.0  12.0
## - ptime120.1  1      0.0  12.0
## - heptotl.1   1      0.0  12.0
## - heptot5.1   1      0.0  12.0
## - train       1      0.0  12.0
## <none>        0.0  14.0
## - dead.1      1  1049.5 1061.5

## Warning: glm.fit: algorithm did not converge

##
## Step:  AIC=12
## dead ~ dead.1 + ptime120.1 + heptotl.1 + heptot5.1 + train

## Warning: glm.fit: algorithm did not converge

## Warning: glm.fit: algorithm did not converge

## Warning: glm.fit: algorithm did not converge

## Warning: glm.fit: algorithm did not converge

##           Df Deviance    AIC
## - ptime120.1 1      0.0  10.0
## - heptotl.1   1      0.0  10.0
## - heptot5.1   1      0.0  10.0
## - train       1      0.0  10.0
## <none>        0.0  12.0
## - dead.1      1  1049.5 1059.5

## Warning: glm.fit: algorithm did not converge

##
## Step:  AIC=10
## dead ~ dead.1 + heptotl.1 + heptot5.1 + train

## Warning: glm.fit: algorithm did not converge

## Warning: glm.fit: algorithm did not converge

## Warning: glm.fit: algorithm did not converge

##           Df Deviance    AIC
## - heptotl.1  1      0.0   8.0
## - heptot5.1  1      0.0   8.0
## - train      1      0.0   8.0
## <none>       0.0  10.0
## - dead.1     1  1062.7 1070.7

```

```

## Warning: glm.fit: algorithm did not converge
##
## Step: AIC=8
## dead ~ dead.1 + heptot5.1 + train
## Warning: glm.fit: algorithm did not converge

## Warning: glm.fit: algorithm did not converge
##
##           Df Deviance  AIC
## - heptot5.1  1         0    6
## - train      1         0    6
## <none>       0         8
## - dead.1     1      1063 1069
## Warning: glm.fit: algorithm did not converge
##
## Step: AIC=6
## dead ~ dead.1 + train
## Warning: glm.fit: algorithm did not converge
##
##           Df Deviance  AIC
## - train    1         0    4
## <none>     0         6
## - dead.1   1      1063 1067
## Warning: glm.fit: algorithm did not converge
##
## Step: AIC=4
## dead ~ dead.1
##
##           Df Deviance  AIC
## <none>      0.0       4.0
## - dead.1   1    1063.1 1065.1
step_model_summary <- summary(step_model)
step_predict <- predict(step_model, test_set, type = "response")
ROC_step <- pROC::roc(test_set$dead, step_predict)

## Setting levels: control = N, case = Y
## Setting direction: controls < cases
AUROC_step <- pROC::auc(ROC_step)
CI_AUROC_step <- pROC::ci.auc(AUROC_step)

## Warning in ci.auc.roc(roc, reuse.auc = TRUE, ...): ci.auc() of a ROC curve with
## AUC == 1 is always 1-1 and can be misleading.
BrierScore(step_model, test_set$dead, scaled= FALSE) #Brier score is 0.8298478

## [1] 8.414052e-24
AUROC on train_set is 0.6884 for backwards step regression
step_predictTrain <- predict(step_model, train_set, type = "response")
ROC_stepTrain <- pROC::roc(train_set$dead, step_predictTrain)

```

```

## Setting levels: control = 0, case = 1
## Setting direction: controls < cases
AUROC_stepTrain <- pROC::auc(ROC_stepTrain)
CI_AUROC_stepTrain <- pROC::ci.auc(AUROC_stepTrain)

## Warning in ci.auc.roc(roc, reuse.auc = TRUE, ...): ci.auc() of a ROC curve with
## AUC == 1 is always 1-1 and can be misleading.

#gradient boosting (Did not use the healthcare AI train and test set, because developed issues when running
through the loops (testset2$dead would be filled with only 0's))

Brier scores
levels(test_set$dead)[levels(test_set$dead) == "Y"] <- 1
levels(test_set$dead)[levels(test_set$dead) == "N"] <- 0
brier.score <- function(p, y) {

  return((t(((p-y)^2)) %*% rep((1/length(p)), length(p))))[1,1])

}

brier.score.2 <- function(p, y) {

  return((sum(((p-y)^2))*(1/length(p))))

}

test_set2 <- na.omit(test_set[, colnames(test_set) ])

brierScore.elasticNet <- brier.score(elasticNet_predict, test_set2$dead.1)
brierScore.ridge <- brier.score(ridge_predict, test_set2$dead.1)
brierScore.rf <- brier.score(rf.pred, test_set2$dead.1)

## Warning in p - y: longer object length is not a multiple of shorter object
## length
brierScore.backStep <- brier.score(step_predict, test_set2$dead.1)

## Warning in p - y: longer object length is not a multiple of shorter object
## length
brierScore.logistic <- brier.score(regular_predict, test_set2$dead.1)

## Warning in p - y: longer object length is not a multiple of shorter object
## length

export C-statistics from each of the models into a csv file
mat.elasNet <- cbind(AUROC.elasticNetTrain, AUROC.elasticNet, c(CI.AUROC.elasticNet[1]), c(CI.AUROC.elasticNet[3]), brierScore.elasticNet)
mat.ridge <- cbind(AUROC.ridgeTrain, AUROC.ridge, c(CI.AUROC.ridge[1]), c(CI.AUROC.ridge[3]), brierScore.ridge)
mat.backStep <- cbind(AUROC_stepTrain, AUROC_step, c(CI_AUROC_step[1]), c(CI_AUROC_step[3]), brierScore.backStep)
mat.logistic <- cbind(AUROC.regularTrain, AUROC.regular, c(CI.AUROC.regular[1]), c(CI.AUROC.regular[3]), brierScore.logistic)
mat.rf <- cbind(AUROC.rfTrain, AUROC.rf, c(CI.AUROC.rf[1]), c(CI.AUROC.rf[3]), brierScore.rf)
mat.results <- rbind( mat.elasNet, mat.ridge, mat.backStep, mat.logistic, mat.rf)

name the matrix rows

```

```
dimnames(mat.results)[[1]] <- c( "Elastic Net Regression Model", "Ridge Regression Model", "Backwards S
```

name the matrix columns

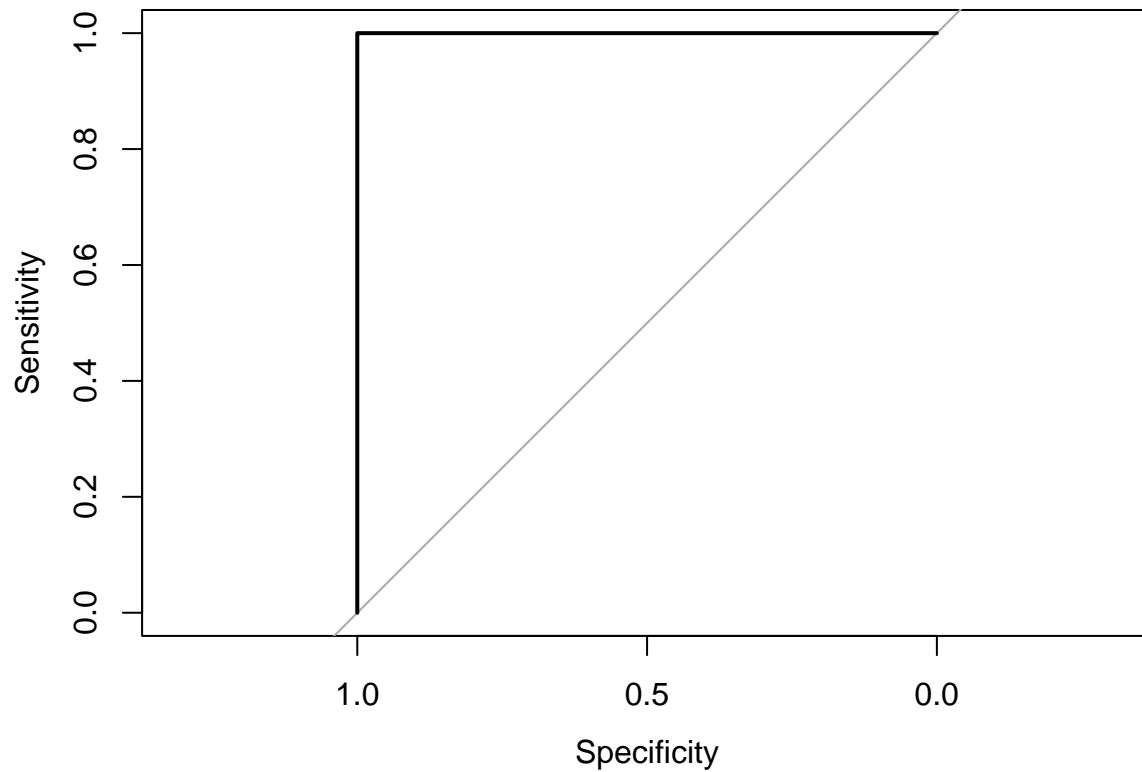
```
dimnames(mat.results)[[2]] <- c("AUC Derivation", "AUC Cross Validation", "95% CI lower bound", "95% CI
```

write the matrix to a CSV file

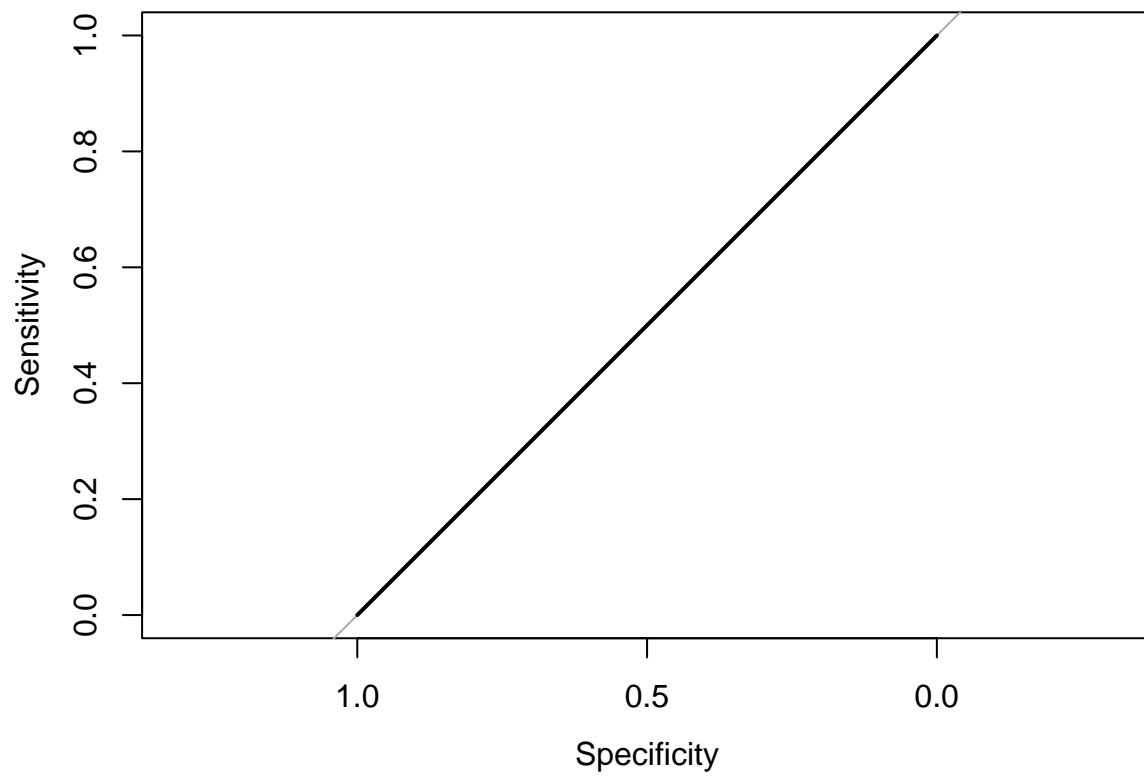
```
write.csv(mat.results, paste(folder, "/", "Final C-Statistics Table 2", ".csv", sep=""))
```

plots

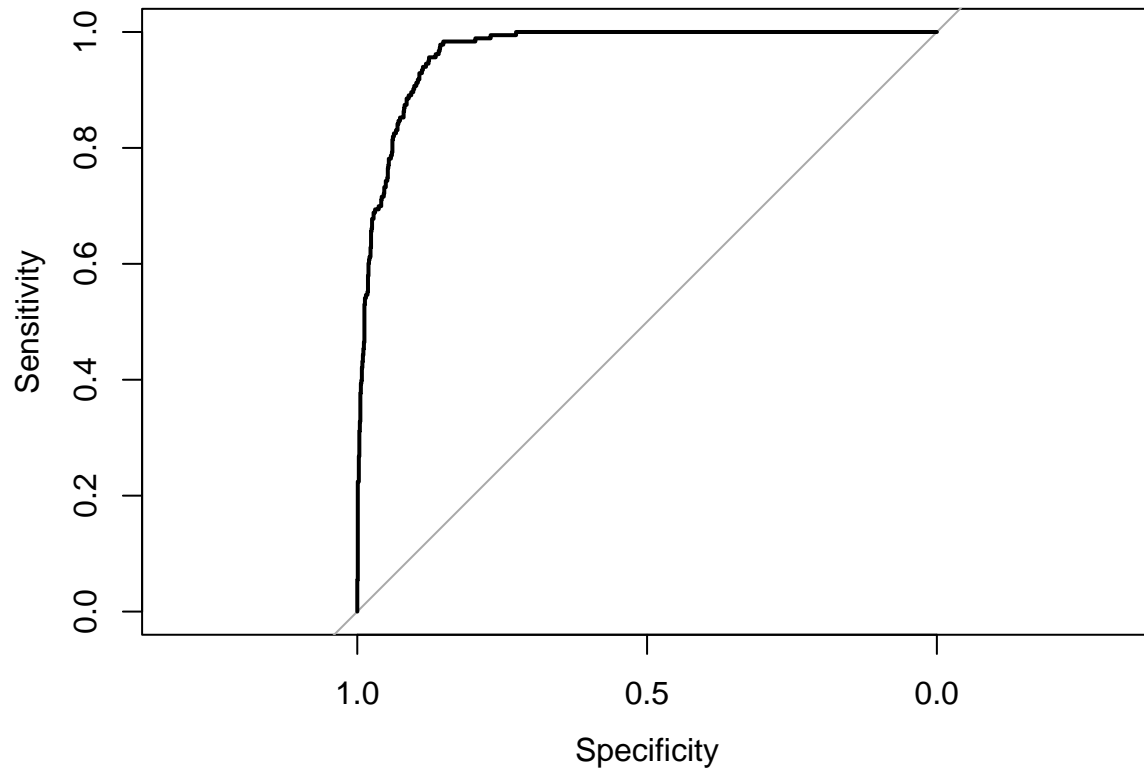
```
plot(ROC.lassoTrain)
```



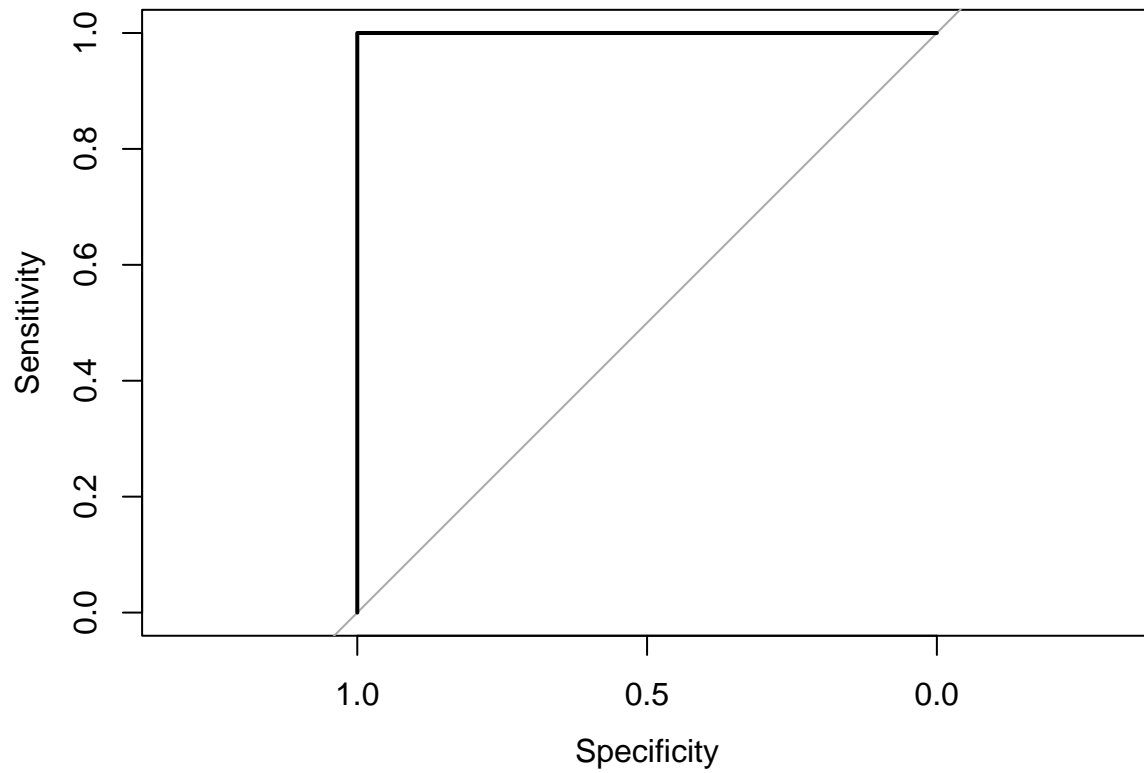
```
plot(ROC.lasso)
```



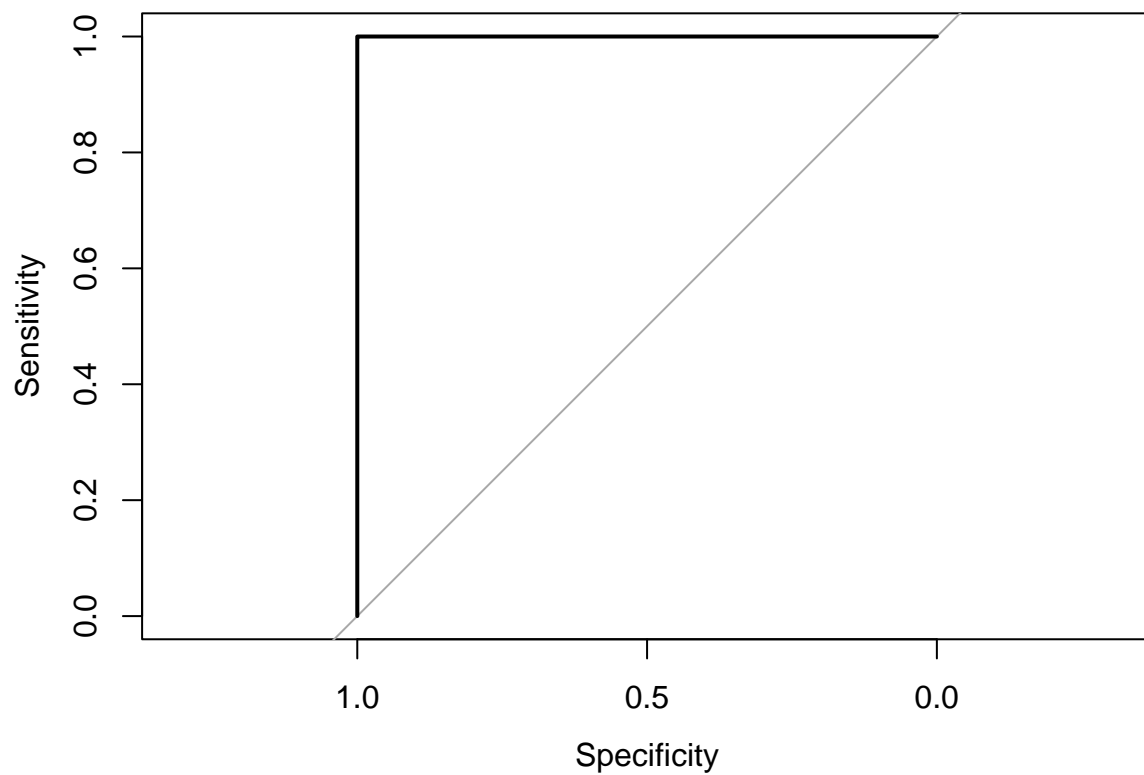
```
#Ridge regression ROC plots  
plot(ROC.ridgeTrain)
```



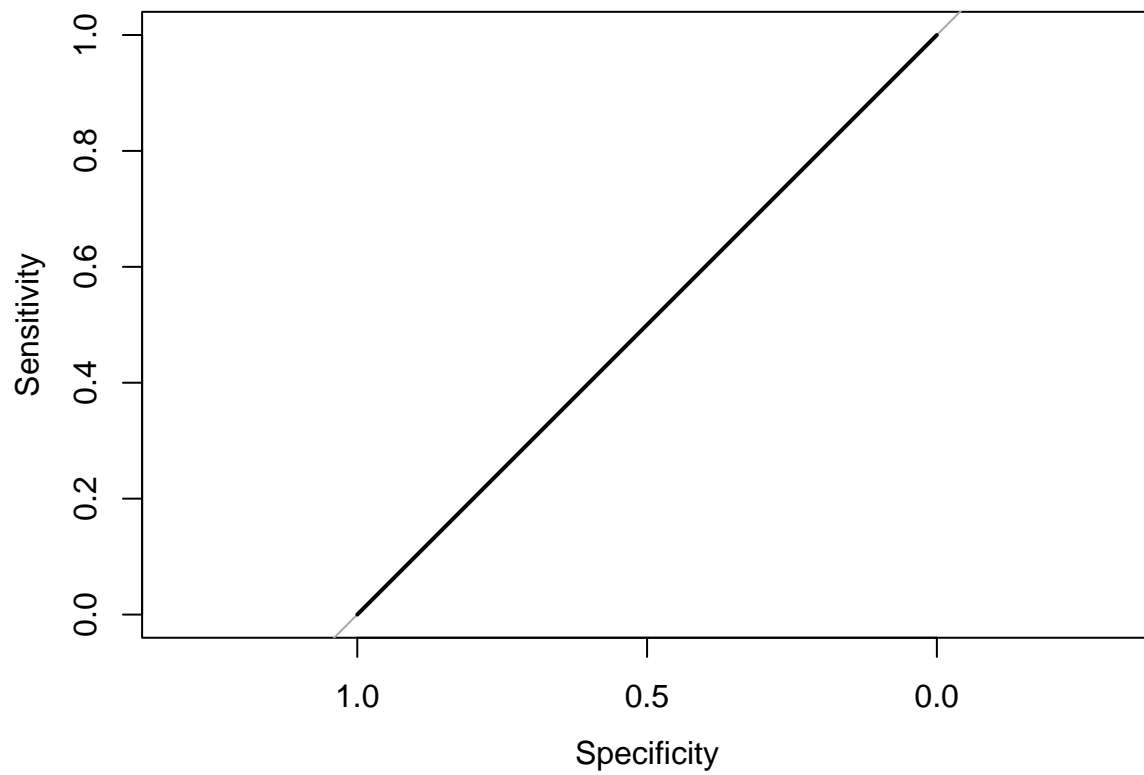
```
plot(ROC.ridge)
```



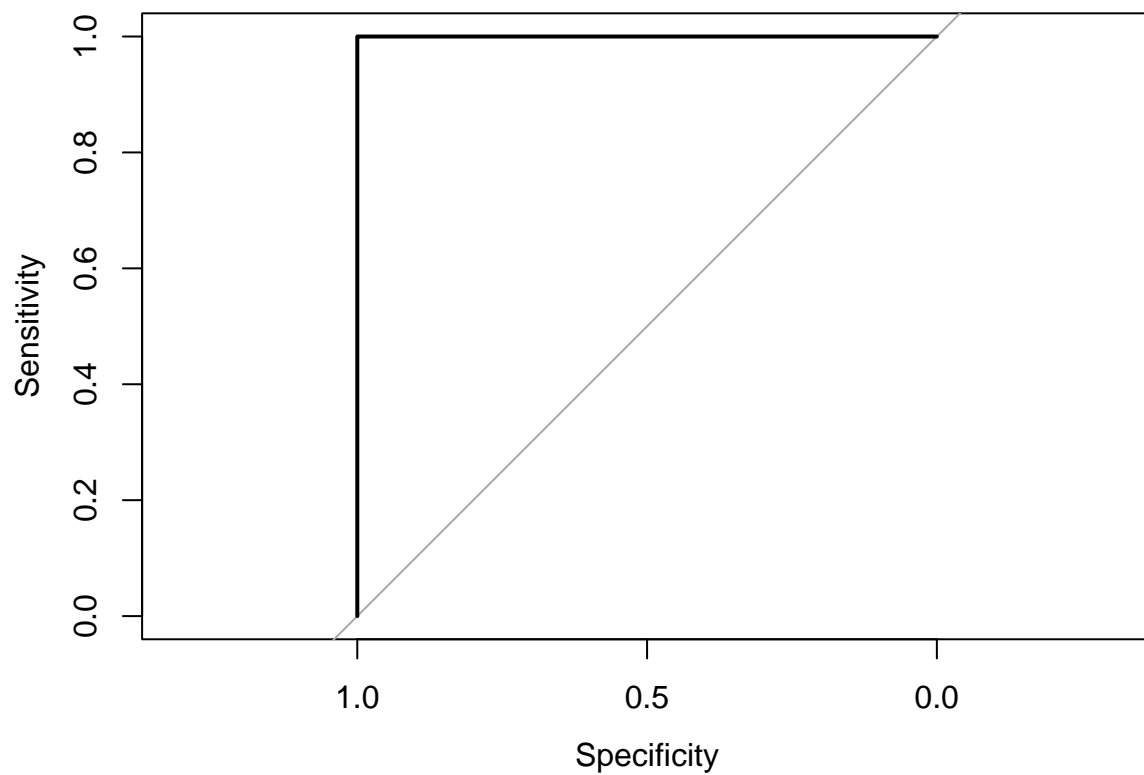
```
#Elastic net regression ROC plots  
plot(ROC.elasticNetTrain)
```



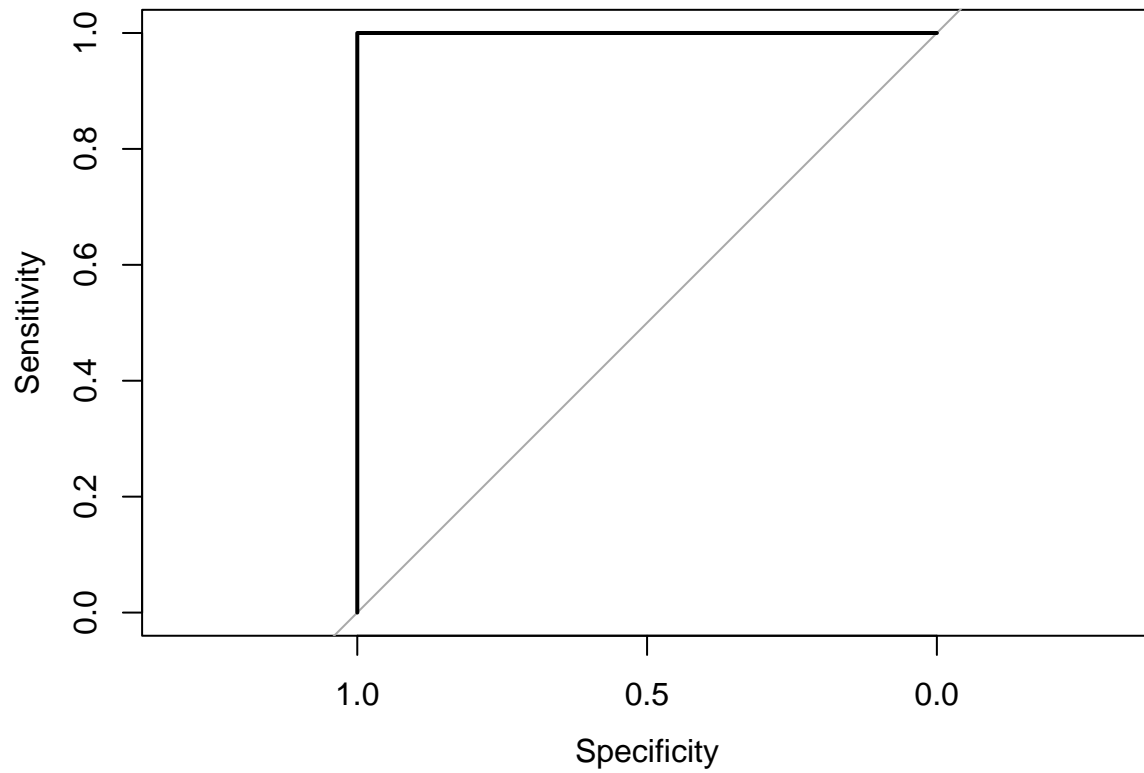
```
plot(ROC.elasticNet)
```



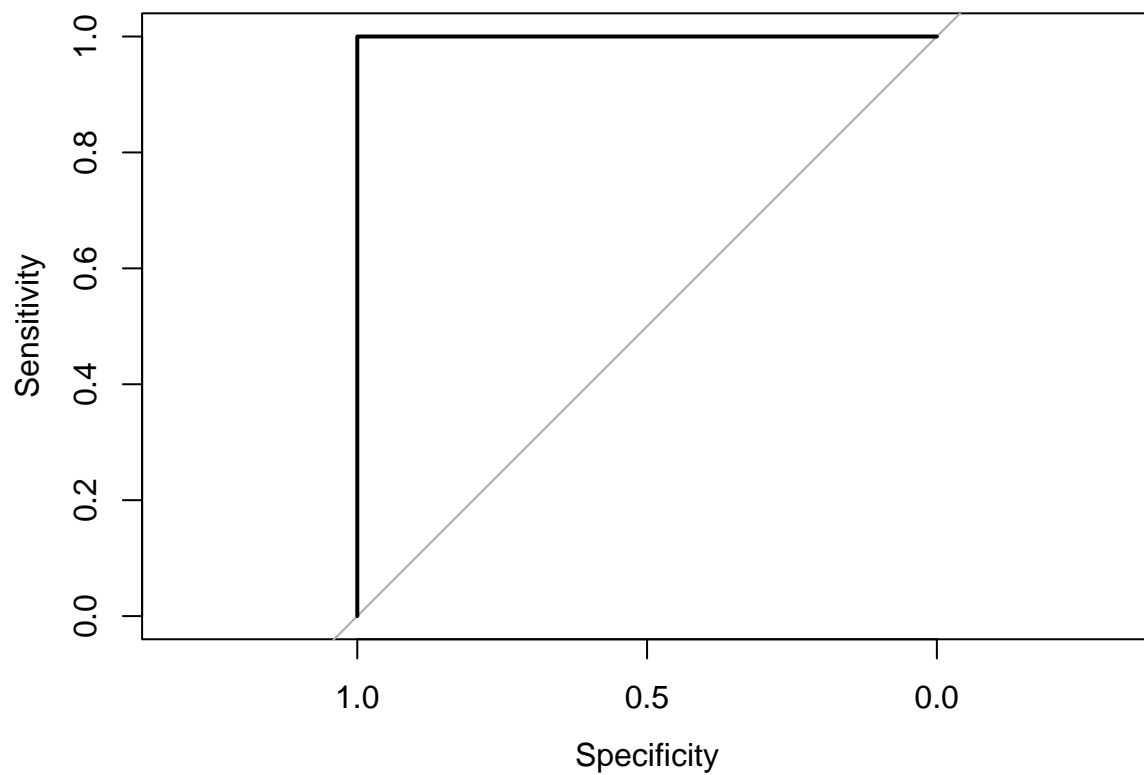
```
#Logistic regression ROC plots  
plot(ROC.regularTrain)
```



```
plot(ROC.regular)
```



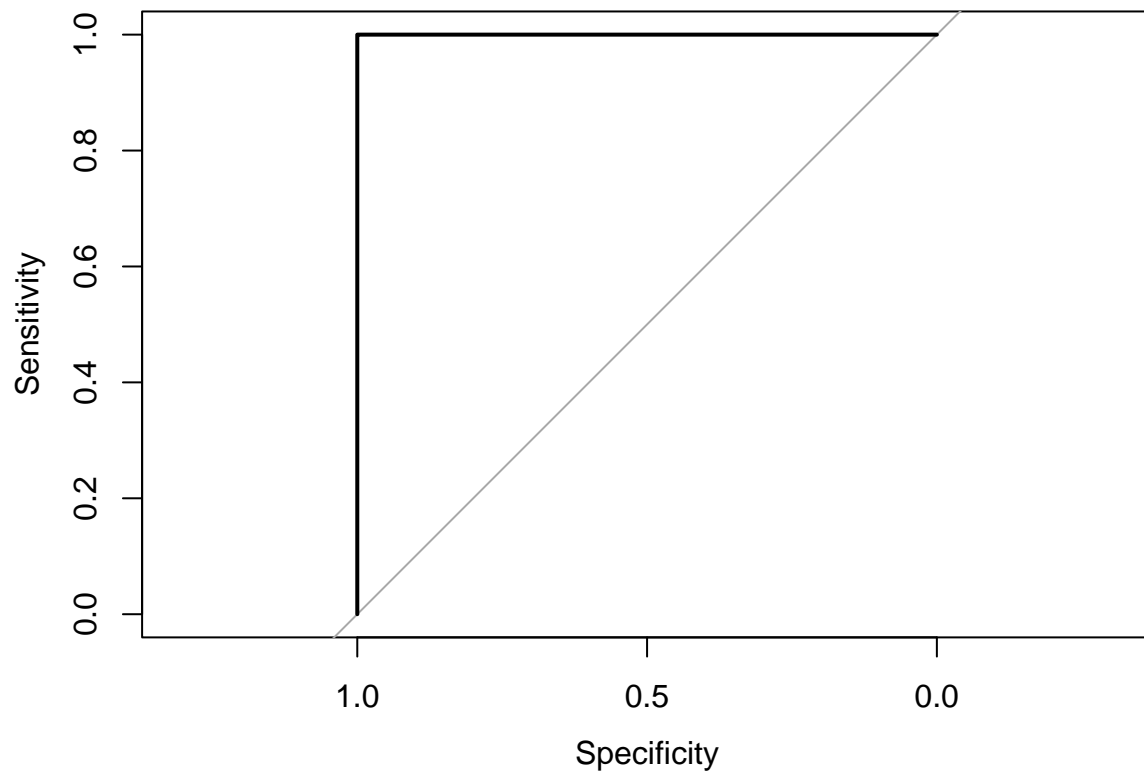
```
#Backwards Step Regression ROC plots  
plot(ROC_stepTrain)
```



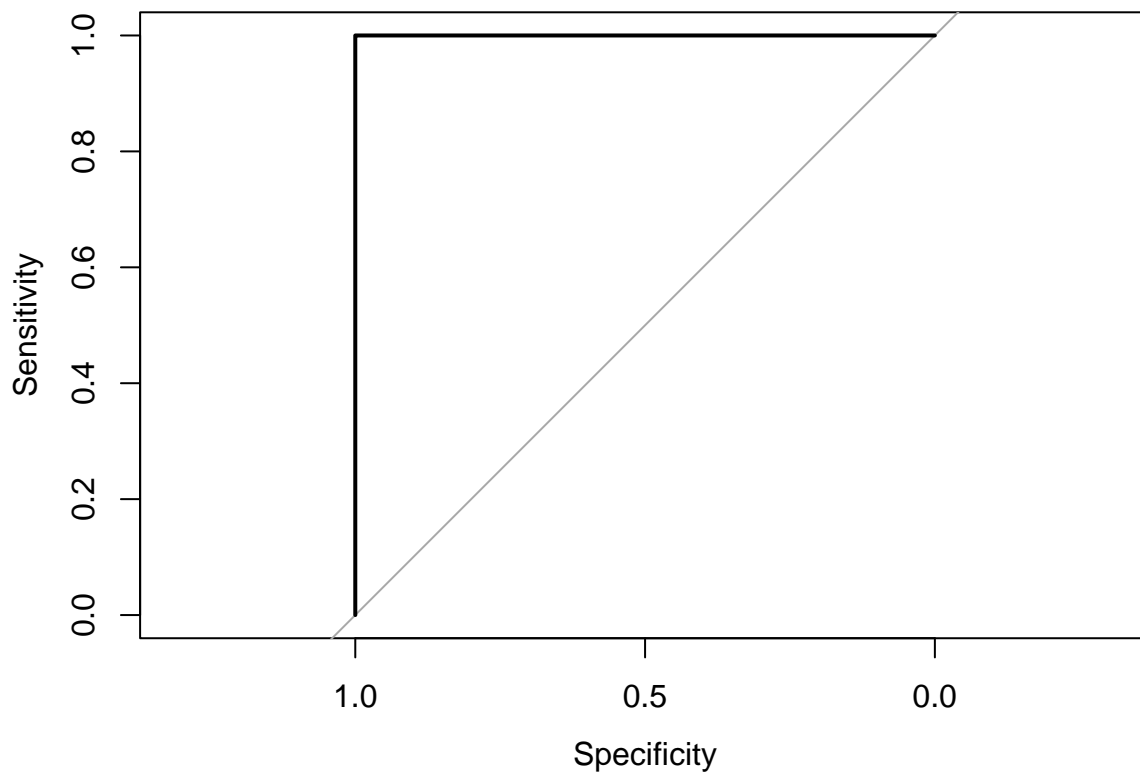

```
plot(ROC_step)
```

```
#Random Forest ROC plots
```

```
plot(ROC.rfTrain)
```



```
plot(ROC.rf)
```



#Possibly figure out the best probability thresholds or if running out of time compare at probability threshold of 50% (.51 - event, .49- nonevent)

```
thresh50 <- 0.5
rf.out <- factor(ifelse(rf.pred >= thresh50, "1", "0"), levels = c("0", "1"))
rfConfusionMat50 <- confusionMatrix(rf.out, test_set$dead)

logistic.out <- factor(ifelse(regular_predict >= thresh50, "1", "0"), levels = c("0", "1"))
logisticConfusionMat50 <- confusionMatrix(logistic.out, test_set$dead)

backStep.out <- factor(ifelse(step_predict >= thresh50, "1", "0"), levels = c("0", "1"))

lasso.out <- factor(ifelse(lasso_pred >= thresh50, "1", "0"), levels = c("0", "1"))

elasticNet.out <- factor(ifelse(elasticNet_predict >= thresh50, "1", "0"), levels = c("0", "1"))

ridge.out <- factor(ifelse(ridge_predict > thresh50, "1", "0"), levels = c("0", "1"))

#Look separately at how well each of these models predicts events and nonevents overall

thresh25 <- 0.25
rf.out <- factor(ifelse(rf.pred >= thresh25, "1", "0"), levels = c("0", "1"))
rfConfusionMat25 <- confusionMatrix(rf.out, test_set$dead)

logistic.out <- factor(ifelse(regular_predict >= thresh25, "1", "0"), levels = c("0", "1"))
logisticConfusionMat25 <- confusionMatrix(logistic.out, test_set$dead)

backStep.out <- factor(ifelse(step_predict >= thresh25, "1", "0"), levels = c("0", "1"))
backStepConfusionMat25 <- confusionMatrix(backStep.out, test_set$dead)
```

```

lasso.out <- factor(ifelse(lasso_pred >= thresh25, "1", "0"), levels = c("0", "1"))

elasticNet.out <- factor(ifelse(elasticNet_predict >= thresh25, "1", "0"), levels = c("0", "1"))

ridge.out <- factor(ifelse(ridge_predict >= thresh25, "1", "0"), levels = c("0", "1"))

threshold of .75
thresh75 <- 0.75
rf.out <- factor(ifelse(rf.pred >= thresh75, "1", "0"), levels = c("0", "1"))
rfConfusionMat75 <- confusionMatrix(rf.out, test_set$dead)

logistic.out <- factor(ifelse(regular_predict >= thresh75, "1", "0"), levels = c("0", "1"))
logisticConfusionMat75 <- confusionMatrix(logistic.out, test_set$dead)

backStep.out <- factor(ifelse(step_predict >= thresh75, "1", "0"), levels = c("0", "1"))
backStepConfusionMat75 <- confusionMatrix(backStep.out, test_set$dead)

lasso.out <- factor(ifelse(lasso_pred >= thresh75, "1", "0"), levels = c("0", "1"))

elasticNet.out <- factor(ifelse(elasticNet_predict >= thresh75, "1", "0"), levels = c("0", "1"))

ridge.out <- factor(ifelse(ridge_predict >= thresh75, "1", "0"), levels = c("0", "1"))

#Extremes- threshold of 0
thresh0 <- 0
rf.out <- factor(ifelse(rf.pred >= thresh0, "1", "0"), levels = c("0", "1"))
rfConfusionMat0 <- confusionMatrix(rf.out, test_set$dead)

logistic.out <- factor(ifelse(regular_predict >= thresh0, "1", "0"), levels = c("0", "1"))
logisticConfusionMat0 <- confusionMatrix(logistic.out, test_set$dead)

backStep.out <- factor(ifelse(step_predict >= thresh0, "1", "0"), levels = c("0", "1"))
backStepConfusionMat0 <- confusionMatrix(backStep.out, test_set$dead)

lasso.out <- factor(ifelse(lasso_pred >= thresh0, "1", "0"), levels = c("0", "1"))

elasticNet.out <- factor(ifelse(elasticNet_predict >= thresh0, "1", "0"), levels = c("0", "1"))

ridge.out <- factor(ifelse(ridge_predict >= thresh0, "1", "0"), levels = c("0", "1"))

thresh1 <- 1
rf.out <- factor(ifelse(rf.pred >= thresh1, "1", "0"), levels = c("0", "1"))
rfConfusionMat1 <- confusionMatrix(rf.out, test_set$dead)

logistic.out <- factor(ifelse(regular_predict >= thresh1, "1", "0"), levels = c("0", "1"))
logisticConfusionMat1 <- confusionMatrix(logistic.out, test_set$dead)

backStep.out <- factor(ifelse(step_predict >= thresh1, "1", "0"), levels = c("0", "1"))
backStepConfusionMat1 <- confusionMatrix(backStep.out, test_set$dead)

lasso.out <- factor(ifelse(lasso_pred >= thresh1, "1", "0"), levels = c("0", "1"))

elasticNet.out <- factor(ifelse(elasticNet_predict >= thresh1, "1", "0"), levels = c("0", "1"))

```

```
ridge.out <- factor(ifelse(ridge_predict >= thresh1, "1", "0"), levels = c("0", "1"))
```

#Main models at thresholds that optimize performance (ISSUE HERE: always being compared to 0/1 so not us

```
lasso.out <- factor(ifelse(lasso_pred >= thresh1, "1", "0"), levels = c("0", "1"))
```

```
rf.out <- factor(ifelse(rf.pred >= thresh1, "1", "0"), levels = c("0", "1"))
```

```
backStep.out <- factor(ifelse(step_predict >= thresh1, "1", "0"), levels = c("0", "1"))
```

Export confusion matrices at 50% threshold and at 10% threshold for cross validated models

```
lassoCoef <- coef(lasso_model)
```

```
ridgeCoef <- coef(ridge_model)
```

```
elasticNetCoef <- coef(elasticNet_model)
```

```
backStepCoef <- coef(step_model)
```

```
logisticCoef <- coef(regular_model)
```