

R Notebook

Contents

```
# Necessary libraries
```

```
library(mice)
```

```
## Warning: package 'mice' was built under R version 4.0.5
```

```
##
```

```
## Attaching package: 'mice'
```

```
## The following object is masked from 'package:stats':
```

```
##
```

```
##      filter
```

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

```
##
```

```
##      cbind, rbind
```

```
library(fastDummies)
```

```
## Warning: package 'fastDummies' was built under R version 4.0.5
```

```
library(neuralnet)
```

```
## Warning: package 'neuralnet' was built under R version 4.0.5
```

```
library(caret)
```

```
## Warning: package 'caret' was built under R version 4.0.5
```

```
## Loading required package: ggplot2
```

```
## Loading required package: lattice
```

```
data <- read.delim(file = 'clinical_bone.tsv', sep = '\t', header = TRUE)
```

```
data[data == "\"'--"] <- "NULL"
```

```
is.na(data) <- data == "NULL"
```

```
data <- data[, colSums(is.na(data)) < nrow(data)]
```

```
#names(data)
```

```
rem <- colSums(is.na(data)) > 1000
```

```
## Warning in eval(substitute(list(...)), '_data', parent.frame()): NAs introduced  
## by coercion
```

```
data <- subset(data, select = -c(age_is_obfuscated, cause_of_death, days_to_death, year_of_birth, year_of_death))  
#summary(data)
```

```
## Warning: Number of logged events: 228
```

```
data_subset_nn <- complete(data_imp)  
#summary(data_subset_nn)
```

```
## [1] "project_id" "age_at_index"  
## [3] "days_to_birth" "ethnicity"  
## [5] "gender" "race"  
## [7] "vital_status" "age_at_diagnosis"  
## [9] "days_to_last_follow_up" "days_to_last_known_disease_status"  
## [11] "iss_stage" "site_of_resection_or_biopsy"  
## [13] "tissue_or_organ_of_origin"
```

```
# project_id=as.factor(project_id) <== "factored variable"  
# age_at_index=as.numeric(age_at_index)  
# days_to_birth=as.numeric(days_to_birth)  
# ethnicity=as.factor(ethnicity) <== "factored variable"  
# gender=as.factor(gender) <== "factored variable"  
# race=as.factor(race) <== "factored variable"  
# vital_status=as.factor(vital_status) <== "factored variable"  
# age_at_diagnosis=as.numeric(age_at_diagnosis)  
# days_to_last_follow_up=as.numeric(days_to_last_follow_up)  
# days_to_last_known_disease_status=as.numeric(days_to_last_known_disease_status)  
# iss_stage=as.factor(iss_stage) <== "factored variable"  
# site_of_resection_or_biopsy=as.factor(site_of_resection_or_biopsy) <== "factored variable"  
# tissue_or_organ_of_origin=as.factor(tissue_or_organ_of_origin) <== "factored variable"
```

```
unique(data_subset_nn$project_id)
```

```
## [1] TARGET-AML TARGET-ALL-P2 TCGA-LAML  
## [4] BEATAML1.0-COHORT BEATAML1.0-CRENOLANIB MMRF-COMMPASS  
## [7] CGCI-BLGSP TARGET-ALL-P3 OHSU-CNL  
## [10] TARGET-NBL TARGET-ALL-P1  
## 17 Levels: BEATAML1.0-COHORT BEATAML1.0-CRENOLANIB CGCI-BLGSP ... TCGA-LAML
```

```
unique(data_subset_nn$ethnicity)
```

```
## [1] not hispanic or latino hispanic or latino  
## Levels: hispanic or latino not hispanic or latino
```

```
unique(data_subset_nn$gender)
```

```
## [1] male   female  
## Levels: female male
```

```
unique(data_subset_nn$race)
```

```
## [1] black or african american  
## [2] white  
## [3] asian  
## [4] native hawaiian or other pacific islander  
## [5] american indian or alaska native  
## [6] other  
## 6 Levels: american indian or alaska native asian ... white
```

```
unique(data_subset_nn$vital_status)
```

```
## [1] Alive Dead  
## Levels: Alive Dead
```

```
unique(data_subset_nn$iss_stage)
```

```
## [1] III I   II  
## Levels: I II III
```

```
unique(data_subset_nn$site_of_resection_or_biopsy)
```

```
## [1] Bone marrow  
## [2] Abdomen, NOS  
## [3] Blood  
## [4] Bones of skull and face and associated joints  
## [5] Liver  
## [6] Mandible  
## [7] Ovary  
## [8] Retroperitoneum  
## [9] Spleen  
## [10] Kidney, NOS  
## [11] Lymph nodes of head, face and neck  
## [12] Vestibule of mouth  
## [13] Connective, subcutaneous and other soft tissues of abdomen  
## [14] Mouth, NOS  
## [15] Intra-abdominal lymph nodes  
## [16] Cheek mucosa  
## [17] Peritoneum, NOS  
## [18] Specified parts of peritoneum  
## [19] Small intestine, NOS  
## [20] Lower gum  
## [21] Testis, NOS  
## [22] Pelvis, NOS  
## [23] Connective, subcutaneous and other soft tissues, NOS  
## [24] Lip, NOS  
## 26 Levels: Abdomen, NOS Blood ... Vestibule of mouth
```

```
unique(data_subset_nn$tissue_or_organ_of_origin)
```

```
## [1] Bone marrow  
## [2] Hematopoietic system, NOS  
## [3] Bones of skull and face and associated joints  
## [4] Orbit, NOS  
## 4 Levels: Bone marrow ... Orbit, NOS
```

```
# Factored variables in 'data_subset_nn'
```

```
data_subset_nn_factored_vars <- subset(data_subset_nn,  
                                       select = c(project_id,  
                                                  ethnicity,  
                                                  gender,  
                                                  race,  
                                                  vital_status,  
                                                  iss_stage,  
                                                  site_of_resection_or_biopsy,  
                                                  tissue_or_organ_of_origin))  
data_subset_nn_factored_vars_mat <- as.matrix(data_subset_nn_factored_vars)
```

```
# Non-factored variables in 'data_subset_nn'
```

```
data_subset_nn_nonfactored_vars <- subset(data_subset_nn,  
                                           select = -c(project_id,  
                                                       ethnicity,  
                                                       gender,  
                                                       race,  
                                                       vital_status,  
                                                       iss_stage,  
                                                       site_of_resection_or_biopsy,  
                                                       tissue_or_organ_of_origin))  
data_subset_nn_nonfactored_vars_mat <- as.matrix(data_subset_nn_nonfactored_vars)
```

```
dummies <- fastDummies::dummy_cols(data_subset_nn_factored_vars)  
dummies <- subset(dummies, select = -c(1:length(names(data_subset_nn_factored_vars))))
```

```
normalize <- function(matrix_x) {  
  n = length(matrix_x[,1])  
  return(apply(matrix_x, 2, rank) / (n + 1))  
}
```

```
data_subset_nn_nonfactored_vars_mat_normalized <- normalize(data_subset_nn_nonfactored_vars_mat)
```

```
data_subset_nn_normalized <- cbind(data_subset_nn_nonfactored_vars_mat_normalized, dummies)  
data_subset_nn_normalized <- subset(data_subset_nn_normalized,  
                                   select = -c(`vital_status_Dead`))
```

```
names(data_subset_nn_normalized) <- c(  
  "age_at_index",  
  "days_to_birth",  
  "age_at_diagnosis",  
  "days_to_last_follow_up",  
  "days_to_last_known_disease_status",
```

```

"project_id_BEATAML1.0_COHORT",
"project_id_BEATAML1.0_CRENOLANIB",
"project_id_CGCI_BLGSP",
"project_id_GENIE_DFCI",
"project_id_GENIE_JHU",
"project_id_GENIE_MDA",
"project_id_GENIE_MSK",
"project_id_GENIE_UHN",
"project_id_GENIE_VICC",
"project_id_MMRF_COMPASS",
"project_id_OHSU_CNL",
"project_id_TARGET_ALL_P1",
"project_id_TARGET_ALL_P2",
"project_id_TARGET_ALL_P3",
"project_id_TARGET_AML",
"project_id_TARGET_NBL",
"project_id_TCGA_LAML",
"ethnicity_hispanic",
"ethnicity_not_hispanic",
"gender_female",
"gender_male",
"race_ameri_ind_or_alaska",
"race_asian",
"race_black_or_afr_ameri",
"race_hawaiian_or_pacific_islander",
"race_other",
"race_white",
"vital_status_Alive",
"iss_stage_I",
"iss_stage_II",
"iss_stage_III",
"site_of_resection_or_biopsy_Abdomen_NOS",
"site_of_resection_or_biopsy_Blood",
"site_of_resection_or_biopsy_Bone_marrow",
"site_of_resection_or_biopsy_Bones_of_skull_and_face",
"site_of_resection_or_biopsy_Cheek_mucosa",
"site_of_resection_or_biopsy_Connective_and_other_soft_tissues",
"site_of_resection_or_biopsy_Connective_and_other_soft_tissues_NOS",
"site_of_resection_or_biopsy_Head_face_or_neck_NOS",
"site_of_resection_or_biopsy_Hematopoietic_system_NOS",
"site_of_resection_or_biopsy_Intra_abdominal_lymph_nodes",
"site_of_resection_or_biopsy_Kidney_NOS",
"site_of_resection_or_biopsy_Lip_NOS",
"site_of_resection_or_biopsy_Liver",
"site_of_resection_or_biopsy_Lower_gum",
"site_of_resection_or_biopsy_Lymph_nodes_of_head_face_neck",
"site_of_resection_or_biopsy_Mandible",
"site_of_resection_or_biopsy_Mouth_NOS",
"site_of_resection_or_biopsy_Ovary",
"site_of_resection_or_biopsy_Pelvis_NOS",
"site_of_resection_or_biopsy_Peritoneum_NOS",
"site_of_resection_or_biopsy_Retroperitoneum",
"site_of_resection_or_biopsy_Small_intestine_NOS",

```

```

"site_of_resection_or_biopsy_Specified_parts_of_peritoneum",
"site_of_resection_or_biopsy_Spleen",
"site_of_resection_or_biopsy_Testis_NOS",
"site_of_resection_or_biopsy_Vestibule_of_mouth",
"tissue_or_organ_of_origin_Bone_marrow",
"tissue_or_organ_of_origin_Bones_of_skull_and_face",
"tissue_or_organ_of_origin_Hematopoietic_system_NOS",
"tissue_or_organ_of_origin_Orbit_NOS"
)

```

```

train_ind <- sample(seq_len(nrow(data_subset_nn_normalized)),
                    size = floor(0.7 * nrow(data_subset_nn_normalized)))

train_nn <- data_subset_nn_normalized[train_ind,]
test_nn <- data_subset_nn_normalized[-train_ind,]

# Temporarily removing numeric variables
train_nn_temp <- subset(train_nn, select = -c(1:5))
test_nn_temp <- subset(test_nn, select = -c(1:5))

```

```

## Neural Network
## (https://datascienceplus.com/neuralnet-train-and-test-neural-networks-using-r/)
## (http://uc-r.github.io/ann\_classification)

```

```

# Making the neural network model
nn <- neuralnet(vital_status_Alive ~ project_id_BEATAML1.0_COHORT + project_id_BEATAML1.0_CRENOLANIB +
               data=train_nn_temp,
               hidden=c(50, 10), #c(50, 10),
               linear.output=FALSE,
               threshold=0.01)

plot(nn)

```

```
nn$result.matrix
```

```

##                                     [,1]
## error                             6.809091e+02
## reached.threshold                  9.684379e-03
## steps                             4.164000e+03
## Intercept.to.1layhid1              -2.750196e-01
## project_id_BEATAML1.0_COHORT.to.1layhid1 -1.950506e+00
## project_id_BEATAML1.0_CRENOLANIB.to.1layhid1 1.679915e+02
## project_id_CGCI_BLGSP.to.1layhid1          6.635708e-01
## project_id_GENIE_DFCI.to.1layhid1          -4.751315e-01
## project_id_GENIE_JHU.to.1layhid1           -7.164407e-02
## project_id_GENIE_MDA.to.1layhid1            2.772930e+00
## project_id_GENIE_MSK.to.1layhid1            1.553297e+00
## project_id_GENIE_UHN.to.1layhid1            1.789345e-01
## project_id_GENIE_VICC.to.1layhid1          -2.818653e-01
## project_id_MMRF_COMPASS.to.1layhid1        -5.214857e-01
## project_id_OHSU_CNL.to.1layhid1             4.194778e+01
## project_id_TARGET_ALL_P1.to.1layhid1        1.347046e+00
## project_id_TARGET_ALL_P2.to.1layhid1       -1.128865e+00

```

## project_id_TARGET_ALL_P3.to.1layhid1	-3.284098e+00
## project_id_TARGET_AML.to.1layhid1	1.761209e+00
## project_id_TARGET_NBL.to.1layhid1	-2.489825e+00
## project_id_TCGA_LAML.to.1layhid1	5.896574e-01
## ethnicity_hispanic.to.1layhid1	-6.495176e-01
## ethnicity_not_hispanic.to.1layhid1	8.766103e-01
## gender_female.to.1layhid1	1.538840e-01
## gender_male.to.1layhid1	3.785090e+00
## race_ameri_ind_or_alaska.to.1layhid1	-4.298468e+00
## race_asian.to.1layhid1	1.193069e+00
## race_black_or_afr_ameri.to.1layhid1	-3.153029e+00
## race_hawaiian_or_pacific_islander.to.1layhid1	2.592501e+00
## race_other.to.1layhid1	-1.101923e+00
## race_white.to.1layhid1	7.832896e-01
## iss_stage_I.to.1layhid1	-1.116330e+00
## iss_stage_II.to.1layhid1	-6.594988e-01
## iss_stage_III.to.1layhid1	-1.807425e+00
## site_of_resection_or_biopsy_Abdomen_NOS.to.1layhid1	-4.136594e+02
## site_of_resection_or_biopsy_Blood.to.1layhid1	-5.299722e-02
## site_of_resection_or_biopsy_Bone_marrow.to.1layhid1	2.487601e-01
## site_of_resection_or_biopsy_Bones_of_skull_and_face.to.1layhid1	-1.269065e+02
## site_of_resection_or_biopsy_Cheek_mucosa.to.1layhid1	-4.150510e+02
## site_of_resection_or_biopsy_Connective_and_other_soft_tissues.to.1layhid1	-3.963239e+02
## site_of_resection_or_biopsy_Connective_and_other_soft_tissues_NOS.to.1layhid1	6.614504e-02
## site_of_resection_or_biopsy_Head_face_or_neck_NOS.to.1layhid1	-1.381644e+00
## site_of_resection_or_biopsy_Hematopoietic_system_NOS.to.1layhid1	1.332890e+00
## site_of_resection_or_biopsy_Intra_abdominal_lymph_nodes.to.1layhid1	-4.106030e+02
## site_of_resection_or_biopsy_Kidney_NOS.to.1layhid1	2.739246e+00
## site_of_resection_or_biopsy_Lip_NOS.to.1layhid1	3.831631e+01
## site_of_resection_or_biopsy_Liver.to.1layhid1	-1.267362e+00
## site_of_resection_or_biopsy_Lower_gum.to.1layhid1	3.878868e+01
## site_of_resection_or_biopsy_Lymph_nodes_of_head_face_neck.to.1layhid1	-2.957043e+02
## site_of_resection_or_biopsy_Mandible.to.1layhid1	2.559488e+00
## site_of_resection_or_biopsy_Mouth_NOS.to.1layhid1	4.312661e+01
## site_of_resection_or_biopsy_Ovary.to.1layhid1	-3.745745e+02
## site_of_resection_or_biopsy_Pelvis_NOS.to.1layhid1	4.041004e+01
## site_of_resection_or_biopsy_Peritoneum_NOS.to.1layhid1	-4.004003e+02
## site_of_resection_or_biopsy_Retroperitoneum.to.1layhid1	-1.315804e+02
## site_of_resection_or_biopsy_Small_intestine_NOS.to.1layhid1	3.328823e+01
## site_of_resection_or_biopsy_Specified_parts_of_peritoneum.to.1layhid1	2.654801e-01
## site_of_resection_or_biopsy_Spleen.to.1layhid1	-1.105597e+00
## site_of_resection_or_biopsy_Testis_NOS.to.1layhid1	-4.011887e+02
## site_of_resection_or_biopsy_Vestibule_of_mouth.to.1layhid1	3.793889e+01
## tissue_or_organ_of_origin_Bone_marrow.to.1layhid1	3.001654e-01
## tissue_or_organ_of_origin_Bones_of_skull_and_face.to.1layhid1	3.640733e+01
## tissue_or_organ_of_origin_Hematopoietic_system_NOS.to.1layhid1	-1.236903e+00
## tissue_or_organ_of_origin_Orbit_NOS.to.1layhid1	-4.034053e+02
## Intercept.to.1layhid2	1.977217e-01
## project_id_BEATAML1.0_COHORT.to.1layhid2	-5.877524e+00
## project_id_BEATAML1.0_CRENOLANIB.to.1layhid2	1.090758e+02
## project_id_CGCI_BLGSP.to.1layhid2	-4.419048e+00
## project_id_GENIE_DFCI.to.1layhid2	4.366960e-01
## project_id_GENIE_JHU.to.1layhid2	-3.903041e-01
## project_id_GENIE_MDA.to.1layhid2	-9.943294e-01

## project_id_GENIE_MSK.to.1layhid2	-1.923972e-01
## project_id_GENIE_UHN.to.1layhid2	-6.361936e-02
## project_id_GENIE_VICC.to.1layhid2	-1.191402e-01
## project_id_MMRF_COMPASS.to.1layhid2	-2.295548e+00
## project_id_OHSU_CNL.to.1layhid2	-2.091672e+00
## project_id_TARGET_ALL_P1.to.1layhid2	-5.242728e+00
## project_id_TARGET_ALL_P2.to.1layhid2	6.077426e-01
## project_id_TARGET_ALL_P3.to.1layhid2	-3.923218e-02
## project_id_TARGET_AML.to.1layhid2	3.647193e-02
## project_id_TARGET_NBL.to.1layhid2	-2.927538e+01
## project_id_TCGA_LAML.to.1layhid2	1.273291e+00
## ethnicity_hispanic.to.1layhid2	2.000554e+00
## ethnicity_not_hispanic.to.1layhid2	-1.475604e+00
## gender_female.to.1layhid2	1.106359e+00
## gender_male.to.1layhid2	-1.075346e-01
## race_ameri_ind_or_alaska.to.1layhid2	-1.575131e+00
## race_asian.to.1layhid2	8.431577e-01
## race_black_or_afr_ameri.to.1layhid2	4.839570e-02
## race_hawaiian_or_pacific_islander.to.1layhid2	-2.160046e-01
## race_other.to.1layhid2	3.516438e-01
## race_white.to.1layhid2	-1.588957e+00
## iss_stage_I.to.1layhid2	-3.535308e-02
## iss_stage_II.to.1layhid2	-2.310456e-01
## iss_stage_III.to.1layhid2	-2.195229e+00
## site_of_resection_or_biopsy_Abdomen_NOS.to.1layhid2	2.927674e+00
## site_of_resection_or_biopsy_Blood.to.1layhid2	1.399059e+00
## site_of_resection_or_biopsy_Bone_marrow.to.1layhid2	9.591722e-01
## site_of_resection_or_biopsy_Bones_of_skull_and_face.to.1layhid2	2.665895e-01
## site_of_resection_or_biopsy_Cheek_mucosa.to.1layhid2	5.101098e+00
## site_of_resection_or_biopsy_Connective_and_other_soft_tissues.to.1layhid2	-4.122177e+02
## site_of_resection_or_biopsy_Connective_and_other_soft_tissues_NOS.to.1layhid2	4.511993e-01
## site_of_resection_or_biopsy_Head_face_or_neck_NOS.to.1layhid2	1.964830e-01
## site_of_resection_or_biopsy_Hematopoietic_system_NOS.to.1layhid2	7.954011e-01
## site_of_resection_or_biopsy_Intra_abdominal_lymph_nodes.to.1layhid2	6.399800e+00
## site_of_resection_or_biopsy_Kidney_NOS.to.1layhid2	4.135433e+01
## site_of_resection_or_biopsy_Lip_NOS.to.1layhid2	3.899671e+01
## site_of_resection_or_biopsy_Liver.to.1layhid2	-1.052092e+00
## site_of_resection_or_biopsy_Lower_gum.to.1layhid2	1.000830e+02
## site_of_resection_or_biopsy_Lymph_nodes_of_head_face_neck.to.1layhid2	6.002954e+00
## site_of_resection_or_biopsy_Mandible.to.1layhid2	1.883283e+00
## site_of_resection_or_biopsy_Mouth_NOS.to.1layhid2	9.923448e+01
## site_of_resection_or_biopsy_Ovary.to.1layhid2	-4.137071e+02
## site_of_resection_or_biopsy_Pelvis_NOS.to.1layhid2	6.801456e+00
## site_of_resection_or_biopsy_Peritoneum_NOS.to.1layhid2	-3.877819e+02
## site_of_resection_or_biopsy_Retroperitoneum.to.1layhid2	-7.116558e+01
## site_of_resection_or_biopsy_Small_intestine_NOS.to.1layhid2	4.389981e+01
## site_of_resection_or_biopsy_Specified_parts_of_peritoneum.to.1layhid2	-4.122599e+02
## site_of_resection_or_biopsy_Spleen.to.1layhid2	-4.628356e-01
## site_of_resection_or_biopsy_Testis_NOS.to.1layhid2	-4.100559e+02
## site_of_resection_or_biopsy_Vestibule_of_mouth.to.1layhid2	1.012742e+02
## tissue_or_organ_of_origin_Bone_marrow.to.1layhid2	3.225029e-01
## tissue_or_organ_of_origin_Bones_of_skull_and_face.to.1layhid2	4.382457e+01
## tissue_or_organ_of_origin_Hematopoietic_system_NOS.to.1layhid2	2.893065e-01
## tissue_or_organ_of_origin_Orbit_NOS.to.1layhid2	-4.155614e+02

## Intercept.to.1layhid3	-5.963357e-02
## project_id_BEATAML1.0_COHORT.to.1layhid3	-9.942473e-01
## project_id_BEATAML1.0_CRENOLANIB.to.1layhid3	-4.162020e+02
## project_id_CGCI_BLGSP.to.1layhid3	-3.895797e-01
## project_id_GENIE_DFCI.to.1layhid3	7.134614e-01
## project_id_GENIE_JHU.to.1layhid3	1.543772e+00
## project_id_GENIE_MDA.to.1layhid3	-4.213922e-01
## project_id_GENIE_MSK.to.1layhid3	6.219172e-02
## project_id_GENIE_UHN.to.1layhid3	-1.788888e-01
## project_id_GENIE_VICC.to.1layhid3	-7.460170e-01
## project_id_MMRF_COMPASS.to.1layhid3	-5.902051e-01
## project_id_OHSU_CNL.to.1layhid3	-3.958005e+02
## project_id_TARGET_ALL_P1.to.1layhid3	4.975544e+00
## project_id_TARGET_ALL_P2.to.1layhid3	1.810552e-03
## project_id_TARGET_ALL_P3.to.1layhid3	9.620155e-01
## project_id_TARGET_AML.to.1layhid3	-1.221485e+00
## project_id_TARGET_NBL.to.1layhid3	1.313106e+00
## project_id_TCGA_LAML.to.1layhid3	-1.378862e+00
## ethnicity_hispanic.to.1layhid3	-2.472863e+00
## ethnicity_not_hispanic.to.1layhid3	-4.432040e-01
## gender_female.to.1layhid3	4.100729e-01
## gender_male.to.1layhid3	-6.643119e-01
## race_ameri_ind_or_alaska.to.1layhid3	-1.584434e+00
## race_asian.to.1layhid3	1.653989e+00
## race_black_or_afr_ameri.to.1layhid3	3.227299e-01
## race_hawaiian_or_pacific_islander.to.1layhid3	1.248311e+00
## race_other.to.1layhid3	3.381967e+00
## race_white.to.1layhid3	-1.610736e+00
## iss_stage_I.to.1layhid3	-8.068624e-01
## iss_stage_II.to.1layhid3	2.229098e+00
## iss_stage_III.to.1layhid3	-1.919242e+00
## site_of_resection_or_biopsy_Abdomen_NOS.to.1layhid3	-1.353892e+00
## site_of_resection_or_biopsy_Blood.to.1layhid3	-2.610088e+00
## site_of_resection_or_biopsy_Bone_marrow.to.1layhid3	1.059043e+00
## site_of_resection_or_biopsy_Bones_of_skull_and_face.to.1layhid3	3.992297e-01
## site_of_resection_or_biopsy_Cheek_mucosa.to.1layhid3	-3.331421e+02
## site_of_resection_or_biopsy_Connective_and_other_soft_tissues.to.1layhid3	4.078262e+01
## site_of_resection_or_biopsy_Connective_and_other_soft_tissues_NOS.to.1layhid3	-2.050139e+00
## site_of_resection_or_biopsy_Head_face_or_neck_NOS.to.1layhid3	3.221405e-01
## site_of_resection_or_biopsy_Hematopoietic_system_NOS.to.1layhid3	-2.398436e-01
## site_of_resection_or_biopsy_Intra_abdominal_lymph_nodes.to.1layhid3	-4.156417e+02
## site_of_resection_or_biopsy_Kidney_NOS.to.1layhid3	-4.160662e+02
## site_of_resection_or_biopsy_Lip_NOS.to.1layhid3	-4.166868e+02
## site_of_resection_or_biopsy_Liver.to.1layhid3	-1.666197e+01
## site_of_resection_or_biopsy_Lower_gum.to.1layhid3	-4.169754e+02
## site_of_resection_or_biopsy_Lymph_nodes_of_head_face_neck.to.1layhid3	3.097618e+00
## site_of_resection_or_biopsy_Mandible.to.1layhid3	2.852282e+00
## site_of_resection_or_biopsy_Mouth_NOS.to.1layhid3	-4.172618e+02
## site_of_resection_or_biopsy_Ovary.to.1layhid3	4.220175e+01
## site_of_resection_or_biopsy_Pelvis_NOS.to.1layhid3	-4.157701e+02
## site_of_resection_or_biopsy_Peritoneum_NOS.to.1layhid3	4.100157e+01
## site_of_resection_or_biopsy_Retroperitoneum.to.1layhid3	4.166438e+01
## site_of_resection_or_biopsy_Small_intestine_NOS.to.1layhid3	-4.156436e+02
## site_of_resection_or_biopsy_Specified_parts_of_peritoneum.to.1layhid3	-5.756488e-01

## site_of_resection_or_biopsy_Spleen.to.1layhid3	-2.140556e+01
## site_of_resection_or_biopsy_Testis_NOS.to.1layhid3	4.175676e+01
## site_of_resection_or_biopsy_Vestibule_of_mouth.to.1layhid3	-4.138696e+02
## tissue_or_organ_of_origin_Bone_marrow.to.1layhid3	-1.254688e+00
## tissue_or_organ_of_origin_Bones_of_skull_and_face.to.1layhid3	-4.165613e+02
## tissue_or_organ_of_origin_Hematopoietic_system_NOS.to.1layhid3	1.591252e-01
## tissue_or_organ_of_origin_Orbit_NOS.to.1layhid3	3.888917e+01
## Intercept.to.1layhid4	-4.197447e-01
## project_id_BEATAML1.0_COHORT.to.1layhid4	5.992453e-01
## project_id_BEATAML1.0_CRENOLANIB.to.1layhid4	-4.110974e+02
## project_id_CGCI_BLGSP.to.1layhid4	1.245983e+00
## project_id_GENIE_DFCI.to.1layhid4	-1.756641e+00
## project_id_GENIE_JHU.to.1layhid4	1.524739e+00
## project_id_GENIE_MDA.to.1layhid4	1.039413e-01
## project_id_GENIE_MSK.to.1layhid4	-1.118322e+00
## project_id_GENIE_UHN.to.1layhid4	3.645424e-01
## project_id_GENIE_VICC.to.1layhid4	-6.406757e-01
## project_id_MMRF_COMMPASS.to.1layhid4	-3.774619e+00
## project_id_OHSU_CNL.to.1layhid4	4.579894e+00
## project_id_TARGET_ALL_P1.to.1layhid4	6.904129e-01
## project_id_TARGET_ALL_P2.to.1layhid4	-4.358542e+00
## project_id_TARGET_ALL_P3.to.1layhid4	-4.169545e+02
## project_id_TARGET_AML.to.1layhid4	-8.189800e-01
## project_id_TARGET_NBL.to.1layhid4	8.396476e+00
## project_id_TCGA_LAML.to.1layhid4	4.546911e+00
## ethnicity_hispanic.to.1layhid4	-5.019998e-01
## ethnicity_not_hispanic.to.1layhid4	-1.030531e+00
## gender_female.to.1layhid4	6.904403e-01
## gender_male.to.1layhid4	-4.094306e+00
## race_ameri_ind_or_alaska.to.1layhid4	-4.149415e+02
## race_asian.to.1layhid4	-4.123086e+02
## race_black_or_afr_ameri.to.1layhid4	6.039084e-01
## race_hawaiian_or_pacific_islander.to.1layhid4	-2.139869e+00
## race_other.to.1layhid4	8.099440e+00
## race_white.to.1layhid4	-1.858678e+00
## iss_stage_I.to.1layhid4	-7.925229e-01
## iss_stage_II.to.1layhid4	-2.897092e+00
## iss_stage_III.to.1layhid4	2.365922e-01
## site_of_resection_or_biopsy_Abdomen_NOS.to.1layhid4	-4.148633e+02
## site_of_resection_or_biopsy_Blood.to.1layhid4	1.578446e+00
## site_of_resection_or_biopsy_Bone_marrow.to.1layhid4	-3.129498e+00
## site_of_resection_or_biopsy_Bones_of_skull_and_face.to.1layhid4	-1.204289e+00
## site_of_resection_or_biopsy_Cheek_mucosa.to.1layhid4	-4.124878e+02
## site_of_resection_or_biopsy_Connective_and_other_soft_tissues.to.1layhid4	5.379059e+00
## site_of_resection_or_biopsy_Connective_and_other_soft_tissues_NOS.to.1layhid4	-1.111585e-02
## site_of_resection_or_biopsy_Head_face_or_neck_NOS.to.1layhid4	4.394489e-01
## site_of_resection_or_biopsy_Hematopoietic_system_NOS.to.1layhid4	8.188798e-01
## site_of_resection_or_biopsy_Intra_abdominal_lymph_nodes.to.1layhid4	1.873382e+00
## site_of_resection_or_biopsy_Kidney_NOS.to.1layhid4	1.748900e+00
## site_of_resection_or_biopsy_Lip_NOS.to.1layhid4	-4.135262e+02
## site_of_resection_or_biopsy_Liver.to.1layhid4	-6.437938e-01
## site_of_resection_or_biopsy_Lower_gum.to.1layhid4	-4.123689e+02
## site_of_resection_or_biopsy_Lymph_nodes_of_head_face_neck.to.1layhid4	1.555339e+00
## site_of_resection_or_biopsy_Mandible.to.1layhid4	1.735349e+00

## site_of_resection_or_biopsy_Mouth_NOS.to.1layhid4	-4.094758e+02
## site_of_resection_or_biopsy_Ovary.to.1layhid4	4.999554e+00
## site_of_resection_or_biopsy_Pelvis_NOS.to.1layhid4	-1.470531e+00
## site_of_resection_or_biopsy_Peritoneum_NOS.to.1layhid4	4.356759e+00
## site_of_resection_or_biopsy_Retroperitoneum.to.1layhid4	4.579613e+01
## site_of_resection_or_biopsy_Small_intestine_NOS.to.1layhid4	-4.146662e+02
## site_of_resection_or_biopsy_Specified_parts_of_peritoneum.to.1layhid4	3.723682e+00
## site_of_resection_or_biopsy_Spleen.to.1layhid4	-6.485071e+00
## site_of_resection_or_biopsy_Testis_NOS.to.1layhid4	4.370568e+01
## site_of_resection_or_biopsy_Vestibule_of_mouth.to.1layhid4	-4.119499e+02
## tissue_or_organ_of_origin_Bone_marrow.to.1layhid4	4.178089e-01
## tissue_or_organ_of_origin_Bones_of_skull_and_face.to.1layhid4	-4.122458e+02
## tissue_or_organ_of_origin_Hematopoietic_system_NOS.to.1layhid4	-4.965362e-03
## tissue_or_organ_of_origin_Orbit_NOS.to.1layhid4	4.646221e+01
## Intercept.to.1layhid5	-3.385888e+00
## project_id_BEATAML1.0_COHORT.to.1layhid5	4.887215e+00
## project_id_BEATAML1.0_CRENOLANIB.to.1layhid5	9.443258e+01
## project_id_CGCI_BLGSP.to.1layhid5	4.444277e-01
## project_id_GENIE_DFCI.to.1layhid5	1.150077e+00
## project_id_GENIE_JHU.to.1layhid5	-1.880610e+00
## project_id_GENIE_MDA.to.1layhid5	-8.157305e-01
## project_id_GENIE_MSK.to.1layhid5	2.286721e+00
## project_id_GENIE_UHN.to.1layhid5	7.095321e-01
## project_id_GENIE_VICC.to.1layhid5	-1.664897e+00
## project_id_MMRF_COMMPASS.to.1layhid5	-8.632191e-01
## project_id_OHSU_CNL.to.1layhid5	1.101316e+00
## project_id_TARGET_ALL_P1.to.1layhid5	4.608670e+00
## project_id_TARGET_ALL_P2.to.1layhid5	1.897191e+00
## project_id_TARGET_ALL_P3.to.1layhid5	-2.974019e+00
## project_id_TARGET_AML.to.1layhid5	1.804128e+00
## project_id_TARGET_NBL.to.1layhid5	-3.685410e+00
## project_id_TCGA_LAML.to.1layhid5	2.820419e+01
## ethnicity_hispanic.to.1layhid5	-1.650845e+00
## ethnicity_not_hispanic.to.1layhid5	1.584361e-01
## gender_female.to.1layhid5	3.060301e+00
## gender_male.to.1layhid5	1.211478e+00
## race_ameri_ind_or_alaska.to.1layhid5	-4.048418e-01
## race_asian.to.1layhid5	4.490895e+00
## race_black_or_afr_ameri.to.1layhid5	1.151278e+00
## race_hawaiian_or_pacific_islander.to.1layhid5	9.575697e-01
## race_other.to.1layhid5	-5.832000e+00
## race_white.to.1layhid5	-1.446713e+00
## iss_stage_I.to.1layhid5	-5.888327e-01
## iss_stage_II.to.1layhid5	1.145282e+00
## iss_stage_III.to.1layhid5	2.545217e+00
## site_of_resection_or_biopsy_Abdomen_NOS.to.1layhid5	-5.231836e-01
## site_of_resection_or_biopsy_Blood.to.1layhid5	1.005366e+00
## site_of_resection_or_biopsy_Bone_marrow.to.1layhid5	-2.389506e-01
## site_of_resection_or_biopsy_Bones_of_skull_and_face.to.1layhid5	1.478117e+00
## site_of_resection_or_biopsy_Cheek_mucosa.to.1layhid5	1.721865e+00
## site_of_resection_or_biopsy_Connective_and_other_soft_tissues.to.1layhid5	-1.942431e+00
## site_of_resection_or_biopsy_Connective_and_other_soft_tissues_NOS.to.1layhid5	-3.162262e-01
## site_of_resection_or_biopsy_Head_face_or_neck_NOS.to.1layhid5	1.668497e+00
## site_of_resection_or_biopsy_Hematopoietic_system_NOS.to.1layhid5	-6.714527e-02

## site_of_resection_or_biopsy_Intra_abdominal_lymph_nodes.to.1layhid5	-1.849303e+00
## site_of_resection_or_biopsy_Kidney_NOS.to.1layhid5	3.820028e+01
## site_of_resection_or_biopsy_Lip_NOS.to.1layhid5	3.808461e+01
## site_of_resection_or_biopsy_Liver.to.1layhid5	4.208849e-01
## site_of_resection_or_biopsy_Lower_gum.to.1layhid5	3.829143e+01
## site_of_resection_or_biopsy_Lymph_nodes_of_head_face_neck.to.1layhid5	4.222781e+00
## site_of_resection_or_biopsy_Mandible.to.1layhid5	-3.754807e-01
## site_of_resection_or_biopsy_Mouth_NOS.to.1layhid5	3.801711e+01
## site_of_resection_or_biopsy_Ovary.to.1layhid5	-6.316370e+00
## site_of_resection_or_biopsy_Pelvis_NOS.to.1layhid5	-5.146652e-02
## site_of_resection_or_biopsy_Peritoneum_NOS.to.1layhid5	2.047619e+00
## site_of_resection_or_biopsy_Retroperitoneum.to.1layhid5	-5.711436e+01
## site_of_resection_or_biopsy_Small_intestine_NOS.to.1layhid5	4.073173e+01
## site_of_resection_or_biopsy_Specified_parts_of_peritoneum.to.1layhid5	4.073656e+01
## site_of_resection_or_biopsy_Spleen.to.1layhid5	3.240186e-01
## site_of_resection_or_biopsy_Testis_NOS.to.1layhid5	3.287032e+00
## site_of_resection_or_biopsy_Vestibule_of_mouth.to.1layhid5	3.810940e+01
## tissue_or_organ_of_origin_Bone_marrow.to.1layhid5	9.442657e-01
## tissue_or_organ_of_origin_Bones_of_skull_and_face.to.1layhid5	3.824149e+01
## tissue_or_organ_of_origin_Hematopoietic_system_NOS.to.1layhid5	-2.490178e-01
## tissue_or_organ_of_origin_Orbit_NOS.to.1layhid5	-4.327708e+00
## Intercept.to.1layhid6	1.620277e+00
## project_id_BEATAML1.0_COHORT.to.1layhid6	-6.471549e+00
## project_id_BEATAML1.0_CRENOLANIB.to.1layhid6	1.399364e+01
## project_id_CGCI_BLGSP.to.1layhid6	6.061924e+00
## project_id_GENIE_DFCI.to.1layhid6	2.227436e-01
## project_id_GENIE_JHU.to.1layhid6	-6.278374e-01
## project_id_GENIE_MDA.to.1layhid6	6.357719e-01
## project_id_GENIE_MSK.to.1layhid6	-1.724458e+00
## project_id_GENIE_UHN.to.1layhid6	7.268649e-01
## project_id_GENIE_VICC.to.1layhid6	1.159157e+00
## project_id_MMRF_COMMPASS.to.1layhid6	1.871087e+00
## project_id_OHSU_CNL.to.1layhid6	3.769391e+01
## project_id_TARGET_ALL_P1.to.1layhid6	4.651828e+01
## project_id_TARGET_ALL_P2.to.1layhid6	-1.025253e+01
## project_id_TARGET_ALL_P3.to.1layhid6	-3.033265e-03
## project_id_TARGET_AML.to.1layhid6	6.455471e+00
## project_id_TARGET_NBL.to.1layhid6	4.107436e+01
## project_id_TCGA_LAML.to.1layhid6	4.653375e+01
## ethnicity_hispanic.to.1layhid6	-8.777163e+00
## ethnicity_not_hispanic.to.1layhid6	3.540083e-01
## gender_female.to.1layhid6	6.677454e+00
## gender_male.to.1layhid6	-9.379330e-01
## race_ameri_ind_or_alaska.to.1layhid6	-9.967010e+00
## race_asian.to.1layhid6	-9.819888e-01
## race_black_or_afr_ameri.to.1layhid6	3.410983e+00
## race_hawaiian_or_pacific_islander.to.1layhid6	-4.363627e-01
## race_other.to.1layhid6	-1.081751e+01
## race_white.to.1layhid6	-1.329114e+00
## iss_stage_I.to.1layhid6	4.543166e+00
## iss_stage_II.to.1layhid6	-1.482833e+00
## iss_stage_III.to.1layhid6	1.075977e+01
## site_of_resection_or_biopsy_Abdomen_NOS.to.1layhid6	-1.368046e+01
## site_of_resection_or_biopsy_Blood.to.1layhid6	5.720444e+01

## site_of_resection_or_biopsy_Bone_marrow.to.1layhid6	3.621816e-01
## site_of_resection_or_biopsy_Bones_of_skull_and_face.to.1layhid6	5.642568e+00
## site_of_resection_or_biopsy_Cheek_mucosa.to.1layhid6	-2.628727e+01
## site_of_resection_or_biopsy_Connective_and_other_soft_tissues.to.1layhid6	-3.494727e+02
## site_of_resection_or_biopsy_Connective_and_other_soft_tissues_NOS.to.1layhid6	9.030864e-01
## site_of_resection_or_biopsy_Head_face_or_neck_NOS.to.1layhid6	8.659487e-01
## site_of_resection_or_biopsy_Hematopoietic_system_NOS.to.1layhid6	8.977177e-01
## site_of_resection_or_biopsy_Intra_abdominal_lymph_nodes.to.1layhid6	-1.545708e+01
## site_of_resection_or_biopsy_Kidney_NOS.to.1layhid6	-1.595006e+01
## site_of_resection_or_biopsy_Lip_NOS.to.1layhid6	3.022511e+01
## site_of_resection_or_biopsy_Liver.to.1layhid6	-1.736203e+01
## site_of_resection_or_biopsy_Lower_gum.to.1layhid6	2.510050e+01
## site_of_resection_or_biopsy_Lymph_nodes_of_head_face_neck.to.1layhid6	-2.562698e+01
## site_of_resection_or_biopsy_Mandible.to.1layhid6	-1.418128e+01
## site_of_resection_or_biopsy_Mouth_NOS.to.1layhid6	4.475223e+01
## site_of_resection_or_biopsy_Ovary.to.1layhid6	-4.104389e+02
## site_of_resection_or_biopsy_Pelvis_NOS.to.1layhid6	-2.251587e+01
## site_of_resection_or_biopsy_Peritoneum_NOS.to.1layhid6	-3.877371e+02
## site_of_resection_or_biopsy_Retroperitoneum.to.1layhid6	1.283848e+01
## site_of_resection_or_biopsy_Small_intestine_NOS.to.1layhid6	2.306008e+01
## site_of_resection_or_biopsy_Specified_parts_of_peritoneum.to.1layhid6	2.617275e+01
## site_of_resection_or_biopsy_Spleen.to.1layhid6	-1.839009e+01
## site_of_resection_or_biopsy_Testis_NOS.to.1layhid6	-3.797635e+02
## site_of_resection_or_biopsy_Vestibule_of_mouth.to.1layhid6	1.090510e+00
## tissue_or_organ_of_origin_Bone_marrow.to.1layhid6	9.143043e-01
## tissue_or_organ_of_origin_Bones_of_skull_and_face.to.1layhid6	2.448450e+01
## tissue_or_organ_of_origin_Hematopoietic_system_NOS.to.1layhid6	6.911456e+00
## tissue_or_organ_of_origin_Orbit_NOS.to.1layhid6	-4.021316e+02
## Intercept.to.1layhid7	8.396513e-02
## project_id_BEATAML1.0_COHORT.to.1layhid7	-2.175460e+00
## project_id_BEATAML1.0_CRENOLANIB.to.1layhid7	1.199509e+02
## project_id_CGCI_BLGSP.to.1layhid7	-2.433427e-01
## project_id_GENIE_DFCI.to.1layhid7	1.251676e+00
## project_id_GENIE_JHU.to.1layhid7	4.410408e-01
## project_id_GENIE_MDA.to.1layhid7	-3.263058e-01
## project_id_GENIE_MSK.to.1layhid7	9.134152e-01
## project_id_GENIE_UHN.to.1layhid7	8.696658e-01
## project_id_GENIE_VICC.to.1layhid7	-9.803266e-01
## project_id_MMRF_COMMPASS.to.1layhid7	-2.732989e+00
## project_id_OHSU_CNL.to.1layhid7	-2.223906e+01
## project_id_TARGET_ALL_P1.to.1layhid7	4.910241e+00
## project_id_TARGET_ALL_P2.to.1layhid7	1.641835e+00
## project_id_TARGET_ALL_P3.to.1layhid7	1.771797e+00
## project_id_TARGET_AML.to.1layhid7	-1.160162e+00
## project_id_TARGET_NBL.to.1layhid7	-2.185454e+00
## project_id_TCGA_LAML.to.1layhid7	2.093799e+00
## ethnicity_hispanic.to.1layhid7	-2.205230e+00
## ethnicity_not_hispanic.to.1layhid7	-1.527555e-01
## gender_female.to.1layhid7	5.976389e-01
## gender_male.to.1layhid7	-2.823462e-01
## race_ameri_ind_or_alaska.to.1layhid7	3.235348e+00
## race_asian.to.1layhid7	9.335154e-01
## race_black_or_afr_ameri.to.1layhid7	8.820874e-01
## race_hawaiian_or_pacific_islander.to.1layhid7	-6.412318e+00

## race_other.to.1layhid7	-4.036977e+02
## race_white.to.1layhid7	-4.774444e-01
## iss_stage_I.to.1layhid7	-6.485158e-01
## iss_stage_II.to.1layhid7	-4.246130e-01
## iss_stage_III.to.1layhid7	-1.270221e-01
## site_of_resection_or_biopsy_Abdomen_NOS.to.1layhid7	-1.058988e+00
## site_of_resection_or_biopsy_Blood.to.1layhid7	1.671813e+00
## site_of_resection_or_biopsy_Bone_marrow.to.1layhid7	1.211815e-01
## site_of_resection_or_biopsy_Bones_of_skull_and_face.to.1layhid7	-2.028174e+00
## site_of_resection_or_biopsy_Cheek_mucosa.to.1layhid7	3.709871e+01
## site_of_resection_or_biopsy_Connective_and_other_soft_tissues.to.1layhid7	-4.113042e+02
## site_of_resection_or_biopsy_Connective_and_other_soft_tissues_NOS.to.1layhid7	6.154688e-01
## site_of_resection_or_biopsy_Head_face_or_neck_NOS.to.1layhid7	-5.639340e-01
## site_of_resection_or_biopsy_Hematopoietic_system_NOS.to.1layhid7	-2.282315e+00
## site_of_resection_or_biopsy_Intra_abdominal_lymph_nodes.to.1layhid7	3.592560e+01
## site_of_resection_or_biopsy_Kidney_NOS.to.1layhid7	3.658702e+01
## site_of_resection_or_biopsy_Lip_NOS.to.1layhid7	3.798360e+01
## site_of_resection_or_biopsy_Liver.to.1layhid7	-1.328039e+00
## site_of_resection_or_biopsy_Lower_gum.to.1layhid7	4.160657e+01
## site_of_resection_or_biopsy_Lymph_nodes_of_head_face_neck.to.1layhid7	1.840765e+01
## site_of_resection_or_biopsy_Mandible.to.1layhid7	4.985439e-01
## site_of_resection_or_biopsy_Mouth_NOS.to.1layhid7	4.193924e+01
## site_of_resection_or_biopsy_Ovary.to.1layhid7	-4.162863e+02
## site_of_resection_or_biopsy_Pelvis_NOS.to.1layhid7	4.078841e-01
## site_of_resection_or_biopsy_Peritoneum_NOS.to.1layhid7	-4.161878e+02
## site_of_resection_or_biopsy_Retroperitoneum.to.1layhid7	-8.138318e+01
## site_of_resection_or_biopsy_Small_intestine_NOS.to.1layhid7	3.752484e+01
## site_of_resection_or_biopsy_Specified_parts_of_peritoneum.to.1layhid7	3.784911e+01
## site_of_resection_or_biopsy_Spleen.to.1layhid7	-1.540036e+00
## site_of_resection_or_biopsy_Testis_NOS.to.1layhid7	-4.149836e+02
## site_of_resection_or_biopsy_Vestibule_of_mouth.to.1layhid7	4.248931e+01
## tissue_or_organ_of_origin_Bone_marrow.to.1layhid7	-1.694970e+00
## tissue_or_organ_of_origin_Bones_of_skull_and_face.to.1layhid7	3.754481e+01
## tissue_or_organ_of_origin_Hematopoietic_system_NOS.to.1layhid7	9.482024e-01
## tissue_or_organ_of_origin_Orbit_NOS.to.1layhid7	-4.132994e+02
## Intercept.to.1layhid8	-1.150279e+00
## project_id_BEATAML1.0_COHORT.to.1layhid8	1.961436e+00
## project_id_BEATAML1.0_CRENOLANIB.to.1layhid8	-1.349141e+02
## project_id_CGCI_BLGSP.to.1layhid8	-3.558695e+00
## project_id_GENIE_DFCI.to.1layhid8	3.090088e-01
## project_id_GENIE_JHU.to.1layhid8	-2.902996e-01
## project_id_GENIE_MDA.to.1layhid8	-1.110013e+00
## project_id_GENIE_MSK.to.1layhid8	4.444059e-01
## project_id_GENIE_UHN.to.1layhid8	4.842036e-01
## project_id_GENIE_VICC.to.1layhid8	1.271262e+00
## project_id_MMRF_COMPASS.to.1layhid8	1.117203e+01
## project_id_OHSU_CNL.to.1layhid8	-1.036811e+01
## project_id_TARGET_ALL_P1.to.1layhid8	-1.318183e+01
## project_id_TARGET_ALL_P2.to.1layhid8	-5.834320e+00
## project_id_TARGET_ALL_P3.to.1layhid8	-1.489914e+02
## project_id_TARGET_AML.to.1layhid8	-6.522596e-01
## project_id_TARGET_NBL.to.1layhid8	-1.100066e+00
## project_id_TCGA_LAML.to.1layhid8	1.666310e+00
## ethnicity_hispanic.to.1layhid8	2.641741e+00

## ethnicity_not_hispanic.to.1layhid8	-6.757711e-01
## gender_female.to.1layhid8	1.243889e-01
## gender_male.to.1layhid8	5.398261e+00
## race_ameri_ind_or_alaska.to.1layhid8	-2.664335e+00
## race_asian.to.1layhid8	-1.727247e+01
## race_black_or_afr_ameri.to.1layhid8	1.112120e+00
## race_hawaiian_or_pacific_islander.to.1layhid8	-9.243177e+00
## race_other.to.1layhid8	-1.035819e+01
## race_white.to.1layhid8	3.509677e-01
## iss_stage_I.to.1layhid8	2.937113e+00
## iss_stage_II.to.1layhid8	-8.781648e+00
## iss_stage_III.to.1layhid8	-2.439268e+00
## site_of_resection_or_biopsy_Abdomen_NOS.to.1layhid8	-4.005240e+02
## site_of_resection_or_biopsy_Blood.to.1layhid8	6.430252e+00
## site_of_resection_or_biopsy_Bone_marrow.to.1layhid8	-1.555683e-02
## site_of_resection_or_biopsy_Bones_of_skull_and_face.to.1layhid8	-4.432726e+00
## site_of_resection_or_biopsy_Cheek_mucosa.to.1layhid8	2.137235e+00
## site_of_resection_or_biopsy_Connective_and_other_soft_tissues.to.1layhid8	1.388607e+01
## site_of_resection_or_biopsy_Connective_and_other_soft_tissues_NOS.to.1layhid8	1.163980e+00
## site_of_resection_or_biopsy_Head_face_or_neck_NOS.to.1layhid8	8.032164e-01
## site_of_resection_or_biopsy_Hematopoietic_system_NOS.to.1layhid8	4.657031e-01
## site_of_resection_or_biopsy_Intra_abdominal_lymph_nodes.to.1layhid8	5.448913e+00
## site_of_resection_or_biopsy_Kidney_NOS.to.1layhid8	5.256955e+00
## site_of_resection_or_biopsy_Lip_NOS.to.1layhid8	-3.418431e+02
## site_of_resection_or_biopsy_Liver.to.1layhid8	-3.195646e+00
## site_of_resection_or_biopsy_Lower_gum.to.1layhid8	-3.975856e+02
## site_of_resection_or_biopsy_Lymph_nodes_of_head_face_neck.to.1layhid8	-7.756111e+01
## site_of_resection_or_biopsy_Mandible.to.1layhid8	-7.374607e+00
## site_of_resection_or_biopsy_Mouth_NOS.to.1layhid8	-3.274617e+02
## site_of_resection_or_biopsy_Ovary.to.1layhid8	1.608768e+01
## site_of_resection_or_biopsy_Pelvis_NOS.to.1layhid8	1.015069e+01
## site_of_resection_or_biopsy_Peritoneum_NOS.to.1layhid8	5.281431e+01
## site_of_resection_or_biopsy_Retroperitoneum.to.1layhid8	4.823570e+01
## site_of_resection_or_biopsy_Small_intestine_NOS.to.1layhid8	-3.464015e+02
## site_of_resection_or_biopsy_Specified_parts_of_peritoneum.to.1layhid8	1.376798e+01
## site_of_resection_or_biopsy_Spleen.to.1layhid8	-3.428915e-01
## site_of_resection_or_biopsy_Testis_NOS.to.1layhid8	4.302263e+01
## site_of_resection_or_biopsy_Vestibule_of_mouth.to.1layhid8	-2.953110e+02
## tissue_or_organ_of_origin_Bone_marrow.to.1layhid8	-3.375292e-01
## tissue_or_organ_of_origin_Bones_of_skull_and_face.to.1layhid8	-3.591581e+02
## tissue_or_organ_of_origin_Hematopoietic_system_NOS.to.1layhid8	-3.082015e+00
## tissue_or_organ_of_origin_Orbit_NOS.to.1layhid8	4.538389e+01
## Intercept.to.1layhid9	2.416041e+00
## project_id_BEATAML1.0_COHORT.to.1layhid9	-8.607849e-01
## project_id_BEATAML1.0_CRENOLANIB.to.1layhid9	-4.149511e+02
## project_id_CGCI_BLGSP.to.1layhid9	-2.010939e+00
## project_id_GENIE_DFCI.to.1layhid9	1.489099e+00
## project_id_GENIE_JHU.to.1layhid9	-2.477149e-01
## project_id_GENIE_MDA.to.1layhid9	8.588326e-03
## project_id_GENIE_MSK.to.1layhid9	8.276847e-01
## project_id_GENIE_UHN.to.1layhid9	1.850017e-01
## project_id_GENIE_VICC.to.1layhid9	4.641758e-01
## project_id_MMRF_COMMPASS.to.1layhid9	-6.719161e-01
## project_id_OHSU_CNL.to.1layhid9	1.751372e-01

## project_id_TARGET_ALL_P1.to.1layhid9	1.981974e+00
## project_id_TARGET_ALL_P2.to.1layhid9	1.490105e+00
## project_id_TARGET_ALL_P3.to.1layhid9	-1.757386e+00
## project_id_TARGET_AML.to.1layhid9	-2.556740e-01
## project_id_TARGET_NBL.to.1layhid9	-1.471949e-02
## project_id_TCGA_LAML.to.1layhid9	-1.141227e+00
## ethnicity_hispanic.to.1layhid9	-4.100257e+00
## ethnicity_not_hispanic.to.1layhid9	-1.545816e+00
## gender_female.to.1layhid9	3.474898e-01
## gender_male.to.1layhid9	-2.452507e-02
## race_ameri_ind_or_alaska.to.1layhid9	-9.397950e-01
## race_asian.to.1layhid9	1.938638e+00
## race_black_or_afr_ameri.to.1layhid9	-2.641122e-02
## race_hawaiian_or_pacific_islander.to.1layhid9	2.448724e+00
## race_other.to.1layhid9	1.462169e+00
## race_white.to.1layhid9	1.032130e+00
## iss_stage_I.to.1layhid9	-3.000698e-02
## iss_stage_II.to.1layhid9	-4.337814e-01
## iss_stage_III.to.1layhid9	-1.249602e+00
## site_of_resection_or_biopsy_Abdomen_NOS.to.1layhid9	2.133971e+00
## site_of_resection_or_biopsy_Blood.to.1layhid9	-1.909573e-01
## site_of_resection_or_biopsy_Bone_marrow.to.1layhid9	1.137228e+00
## site_of_resection_or_biopsy_Bones_of_skull_and_face.to.1layhid9	-7.422981e-03
## site_of_resection_or_biopsy_Cheek_mucosa.to.1layhid9	-4.167867e+02
## site_of_resection_or_biopsy_Connective_and_other_soft_tissues.to.1layhid9	3.859715e+01
## site_of_resection_or_biopsy_Connective_and_other_soft_tissues_NOS.to.1layhid9	-1.353146e+00
## site_of_resection_or_biopsy_Head_face_or_neck_NOS.to.1layhid9	-2.492181e-01
## site_of_resection_or_biopsy_Hematopoietic_system_NOS.to.1layhid9	-7.778881e-02
## site_of_resection_or_biopsy_Intra_abdominal_lymph_nodes.to.1layhid9	-3.495173e+00
## site_of_resection_or_biopsy_Kidney_NOS.to.1layhid9	-4.151159e+02
## site_of_resection_or_biopsy_Lip_NOS.to.1layhid9	-4.120608e+02
## site_of_resection_or_biopsy_Liver.to.1layhid9	-1.156434e+00
## site_of_resection_or_biopsy_Lower_gum.to.1layhid9	-4.154654e+02
## site_of_resection_or_biopsy_Lymph_nodes_of_head_face_neck.to.1layhid9	2.871966e+00
## site_of_resection_or_biopsy_Mandible.to.1layhid9	-1.522550e+00
## site_of_resection_or_biopsy_Mouth_NOS.to.1layhid9	-4.137031e+02
## site_of_resection_or_biopsy_Ovary.to.1layhid9	3.991974e+01
## site_of_resection_or_biopsy_Pelvis_NOS.to.1layhid9	-2.567549e+00
## site_of_resection_or_biopsy_Peritoneum_NOS.to.1layhid9	3.964510e+01
## site_of_resection_or_biopsy_Retroperitoneum.to.1layhid9	3.888959e+01
## site_of_resection_or_biopsy_Small_intestine_NOS.to.1layhid9	-4.151665e+02
## site_of_resection_or_biopsy_Specified_parts_of_peritoneum.to.1layhid9	-4.153056e+02
## site_of_resection_or_biopsy_Spleen.to.1layhid9	2.086197e+00
## site_of_resection_or_biopsy_Testis_NOS.to.1layhid9	3.899416e+01
## site_of_resection_or_biopsy_Vestibule_of_mouth.to.1layhid9	-4.148269e+02
## tissue_or_organ_of_origin_Bone_marrow.to.1layhid9	-9.221634e-01
## tissue_or_organ_of_origin_Bones_of_skull_and_face.to.1layhid9	-4.131564e+02
## tissue_or_organ_of_origin_Hematopoietic_system_NOS.to.1layhid9	-7.700746e-01
## tissue_or_organ_of_origin_Orbit_NOS.to.1layhid9	3.815162e+01
## Intercept.to.1layhid10	-2.940278e-01
## project_id_BEATAML1.0_COHORT.to.1layhid10	2.324304e+00
## project_id_BEATAML1.0_CRENOLANIB.to.1layhid10	-1.763236e+02
## project_id_CGCI_BLGSP.to.1layhid10	1.367767e+00
## project_id_GENIE_DFCI.to.1layhid10	-2.521942e-01

## project_id_GENIE_JHU.to.1layhid10	-2.733378e-02
## project_id_GENIE_MDA.to.1layhid10	2.699615e+00
## project_id_GENIE_MSK.to.1layhid10	-4.234962e-01
## project_id_GENIE_UHN.to.1layhid10	1.240913e+00
## project_id_GENIE_VICC.to.1layhid10	1.613747e-01
## project_id_MMRF_COMPASS.to.1layhid10	-4.972611e-01
## project_id_OHSU_CNL.to.1layhid10	2.806556e+00
## project_id_TARGET_ALL_P1.to.1layhid10	-9.534158e-01
## project_id_TARGET_ALL_P2.to.1layhid10	-1.385789e+00
## project_id_TARGET_ALL_P3.to.1layhid10	2.365173e+00
## project_id_TARGET_AML.to.1layhid10	-1.197256e+01
## project_id_TARGET_NBL.to.1layhid10	2.109571e+00
## project_id_TCGA_LAML.to.1layhid10	-3.044381e+00
## ethnicity_hispanic.to.1layhid10	3.068652e+00
## ethnicity_not_hispanic.to.1layhid10	-1.329683e-01
## gender_female.to.1layhid10	6.178974e-01
## gender_male.to.1layhid10	-2.638651e+00
## race_ameri_ind_or_alaska.to.1layhid10	1.676018e+00
## race_asian.to.1layhid10	1.725175e+00
## race_black_or_afr_ameri.to.1layhid10	-5.998783e-01
## race_hawaiian_or_pacific_islander.to.1layhid10	-3.618283e+02
## race_other.to.1layhid10	4.371003e+00
## race_white.to.1layhid10	1.935293e-01
## iss_stage_I.to.1layhid10	-3.945342e+00
## iss_stage_II.to.1layhid10	-7.472297e+01
## iss_stage_III.to.1layhid10	1.684563e+00
## site_of_resection_or_biopsy_Abdomen_NOS.to.1layhid10	8.679389e-01
## site_of_resection_or_biopsy_Blood.to.1layhid10	-1.674450e+00
## site_of_resection_or_biopsy_Bone_marrow.to.1layhid10	-7.200717e-01
## site_of_resection_or_biopsy_Bones_of_skull_and_face.to.1layhid10	4.138972e-01
## site_of_resection_or_biopsy_Cheek_mucosa.to.1layhid10	1.136236e+02
## site_of_resection_or_biopsy_Connective_and_other_soft_tissues.to.1layhid10	-3.751017e+00
## site_of_resection_or_biopsy_Connective_and_other_soft_tissues_NOS.to.1layhid10	9.873557e-01
## site_of_resection_or_biopsy_Head_face_or_neck_NOS.to.1layhid10	1.871202e-01
## site_of_resection_or_biopsy_Hematopoietic_system_NOS.to.1layhid10	-5.753402e-01
## site_of_resection_or_biopsy_Intra_abdominal_lymph_nodes.to.1layhid10	-7.075740e-01
## site_of_resection_or_biopsy_Kidney_NOS.to.1layhid10	-4.296798e-02
## site_of_resection_or_biopsy_Lip_NOS.to.1layhid10	-3.610380e+02
## site_of_resection_or_biopsy_Liver.to.1layhid10	1.946365e+00
## site_of_resection_or_biopsy_Lower_gum.to.1layhid10	-2.972761e+02
## site_of_resection_or_biopsy_Lymph_nodes_of_head_face_neck.to.1layhid10	3.524958e+01
## site_of_resection_or_biopsy_Mandible.to.1layhid10	8.853736e-01
## site_of_resection_or_biopsy_Mouth_NOS.to.1layhid10	-2.395554e+02
## site_of_resection_or_biopsy_Ovary.to.1layhid10	-2.189906e+00
## site_of_resection_or_biopsy_Pelvis_NOS.to.1layhid10	3.865987e+01
## site_of_resection_or_biopsy_Peritoneum_NOS.to.1layhid10	-2.087049e+00
## site_of_resection_or_biopsy_Retroperitoneum.to.1layhid10	4.250801e-01
## site_of_resection_or_biopsy_Small_intestine_NOS.to.1layhid10	-3.601292e+02
## site_of_resection_or_biopsy_Specified_parts_of_peritoneum.to.1layhid10	-3.949293e+02
## site_of_resection_or_biopsy_Spleen.to.1layhid10	-4.143988e+02
## site_of_resection_or_biopsy_Testis_NOS.to.1layhid10	-5.934816e-01
## site_of_resection_or_biopsy_Vestibule_of_mouth.to.1layhid10	-3.662921e+02
## tissue_or_organ_of_origin_Bone_marrow.to.1layhid10	-6.370291e-01
## tissue_or_organ_of_origin_Bones_of_skull_and_face.to.1layhid10	-7.727612e+01

## tissue_or_organ_of_origin_Hematopoietic_system_NOS.to.1layhid10	2.290634e-01
## tissue_or_organ_of_origin_Orbit_NOS.to.1layhid10	-2.015652e-01
## Intercept.to.1layhid11	2.897504e-01
## project_id_BEATAML1.0_COHORT.to.1layhid11	-2.252045e+00
## project_id_BEATAML1.0_CRENOLANIB.to.1layhid11	-4.120171e+02
## project_id_CGCI_BLGSP.to.1layhid11	7.722664e-01
## project_id_GENIE_DFCI.to.1layhid11	-8.646939e-01
## project_id_GENIE_JHU.to.1layhid11	-5.897624e-02
## project_id_GENIE_MDA.to.1layhid11	5.850464e-01
## project_id_GENIE_MSK.to.1layhid11	-1.366329e+00
## project_id_GENIE_UHN.to.1layhid11	-1.270999e+00
## project_id_GENIE_VICC.to.1layhid11	1.055452e+00
## project_id_MMRF_COMPASS.to.1layhid11	1.003871e+00
## project_id_OHSU_CNL.to.1layhid11	-1.831952e+00
## project_id_TARGET_ALL_P1.to.1layhid11	-9.292724e-01
## project_id_TARGET_ALL_P2.to.1layhid11	1.092641e+00
## project_id_TARGET_ALL_P3.to.1layhid11	7.625347e-01
## project_id_TARGET_AML.to.1layhid11	-1.254689e+00
## project_id_TARGET_NBL.to.1layhid11	1.215530e+01
## project_id_TCGA_LAML.to.1layhid11	-2.046174e-01
## ethnicity_hispanic.to.1layhid11	-8.799498e-01
## ethnicity_not_hispanic.to.1layhid11	7.883579e-01
## gender_female.to.1layhid11	-1.314507e+00
## gender_male.to.1layhid11	-2.926704e-02
## race_ameri_ind_or_alaska.to.1layhid11	3.002078e+00
## race_asian.to.1layhid11	-5.322707e-01
## race_black_or_afr_ameri.to.1layhid11	2.679791e-02
## race_hawaiian_or_pacific_islander.to.1layhid11	9.016488e-01
## race_other.to.1layhid11	-4.026133e-01
## race_white.to.1layhid11	3.686461e-01
## iss_stage_I.to.1layhid11	-2.404401e-01
## iss_stage_II.to.1layhid11	-2.134299e-01
## iss_stage_III.to.1layhid11	-1.648637e+00
## site_of_resection_or_biopsy_Abdomen_NOS.to.1layhid11	-4.292432e-01
## site_of_resection_or_biopsy_Blood.to.1layhid11	-3.697582e-01
## site_of_resection_or_biopsy_Bone_marrow.to.1layhid11	-1.157236e+00
## site_of_resection_or_biopsy_Bones_of_skull_and_face.to.1layhid11	1.009880e+00
## site_of_resection_or_biopsy_Cheek_mucosa.to.1layhid11	-4.945068e-01
## site_of_resection_or_biopsy_Connective_and_other_soft_tissues.to.1layhid11	3.813353e+01
## site_of_resection_or_biopsy_Connective_and_other_soft_tissues_NOS.to.1layhid11	-3.524114e-01
## site_of_resection_or_biopsy_Head_face_or_neck_NOS.to.1layhid11	-1.425243e+00
## site_of_resection_or_biopsy_Hematopoietic_system_NOS.to.1layhid11	1.016934e+00
## site_of_resection_or_biopsy_Intra_abdominal_lymph_nodes.to.1layhid11	-4.041266e+02
## site_of_resection_or_biopsy_Kidney_NOS.to.1layhid11	-4.158433e+02
## site_of_resection_or_biopsy_Lip_NOS.to.1layhid11	-4.148985e+02
## site_of_resection_or_biopsy_Liver.to.1layhid11	-7.917850e-01
## site_of_resection_or_biopsy_Lower_gum.to.1layhid11	-4.142370e+02
## site_of_resection_or_biopsy_Lymph_nodes_of_head_face_neck.to.1layhid11	1.333854e+00
## site_of_resection_or_biopsy_Mandible.to.1layhid11	2.258590e+00
## site_of_resection_or_biopsy_Mouth_NOS.to.1layhid11	-4.135612e+02
## site_of_resection_or_biopsy_Ovary.to.1layhid11	3.855323e+01
## site_of_resection_or_biopsy_Pelvis_NOS.to.1layhid11	-1.878662e+00
## site_of_resection_or_biopsy_Peritoneum_NOS.to.1layhid11	3.852675e+01
## site_of_resection_or_biopsy_Retroperitoneum.to.1layhid11	3.683503e+01

## site_of_resection_or_biopsy_Small_intestine_NOS.to.1layhid11	-4.131678e+02
## site_of_resection_or_biopsy_Specified_parts_of_peritoneum.to.1layhid11	-4.150346e+02
## site_of_resection_or_biopsy_Spleen.to.1layhid11	-3.303655e-01
## site_of_resection_or_biopsy_Testis_NOS.to.1layhid11	3.683507e+01
## site_of_resection_or_biopsy_Vestibule_of_mouth.to.1layhid11	-4.151667e+02
## tissue_or_organ_of_origin_Bone_marrow.to.1layhid11	5.049128e-01
## tissue_or_organ_of_origin_Bones_of_skull_and_face.to.1layhid11	-4.143079e+02
## tissue_or_organ_of_origin_Hematopoietic_system_NOS.to.1layhid11	-6.393457e-01
## tissue_or_organ_of_origin_Orbit_NOS.to.1layhid11	3.774897e+01
## Intercept.to.1layhid12	-1.829454e-01
## project_id_BEATAML1.0_COHORT.to.1layhid12	1.614405e-02
## project_id_BEATAML1.0_CRENOLANIB.to.1layhid12	1.193786e+02
## project_id_CGCI_BLGSP.to.1layhid12	-5.580796e-01
## project_id_GENIE_DFCI.to.1layhid12	-4.319652e-02
## project_id_GENIE_JHU.to.1layhid12	2.996627e-01
## project_id_GENIE_MDA.to.1layhid12	-5.849167e-01
## project_id_GENIE_MSK.to.1layhid12	-9.258532e-01
## project_id_GENIE_UHN.to.1layhid12	-1.269764e+00
## project_id_GENIE_VICC.to.1layhid12	7.405302e-02
## project_id_MMRF_COMMPASS.to.1layhid12	1.705517e+00
## project_id_OHSU_CNL.to.1layhid12	-8.151218e-01
## project_id_TARGET_ALL_P1.to.1layhid12	2.071796e+00
## project_id_TARGET_ALL_P2.to.1layhid12	1.031204e+00
## project_id_TARGET_ALL_P3.to.1layhid12	3.852157e+01
## project_id_TARGET_AML.to.1layhid12	-2.781383e-01
## project_id_TARGET_NBL.to.1layhid12	-1.775032e+00
## project_id_TCGA_LAML.to.1layhid12	3.726827e+01
## ethnicity_hispanic.to.1layhid12	1.839779e+00
## ethnicity_not_hispanic.to.1layhid12	3.577499e-01
## gender_female.to.1layhid12	-2.038901e+00
## gender_male.to.1layhid12	6.636570e-01
## race_ameri_ind_or_alaska.to.1layhid12	-2.439848e+00
## race_asian.to.1layhid12	-2.648448e-01
## race_black_or_afr_ameri.to.1layhid12	9.159762e-01
## race_hawaiian_or_pacific_islander.to.1layhid12	7.345470e+00
## race_other.to.1layhid12	-1.289115e+00
## race_white.to.1layhid12	1.090223e+00
## iss_stage_I.to.1layhid12	8.323331e-02
## iss_stage_II.to.1layhid12	1.340405e+00
## iss_stage_III.to.1layhid12	-4.024765e-01
## site_of_resection_or_biopsy_Abdomen_NOS.to.1layhid12	3.765009e+01
## site_of_resection_or_biopsy_Blood.to.1layhid12	-1.643999e+00
## site_of_resection_or_biopsy_Bone_marrow.to.1layhid12	9.691104e-01
## site_of_resection_or_biopsy_Bones_of_skull_and_face.to.1layhid12	-1.586522e+00
## site_of_resection_or_biopsy_Cheek_mucosa.to.1layhid12	-4.188962e+02
## site_of_resection_or_biopsy_Connective_and_other_soft_tissues.to.1layhid12	-4.111483e+02
## site_of_resection_or_biopsy_Connective_and_other_soft_tissues_NOS.to.1layhid12	1.334218e+00
## site_of_resection_or_biopsy_Head_face_or_neck_NOS.to.1layhid12	1.075714e+00
## site_of_resection_or_biopsy_Hematopoietic_system_NOS.to.1layhid12	1.562625e+00
## site_of_resection_or_biopsy_Intra_abdominal_lymph_nodes.to.1layhid12	-1.864378e-01
## site_of_resection_or_biopsy_Kidney_NOS.to.1layhid12	-5.250653e-01
## site_of_resection_or_biopsy_Lip_NOS.to.1layhid12	3.234990e+01
## site_of_resection_or_biopsy_Liver.to.1layhid12	-2.349782e+00
## site_of_resection_or_biopsy_Lower_gum.to.1layhid12	3.765945e+01

## site_of_resection_or_biopsy_Lymph_nodes_of_head_face_neck.to.1layhid12	1.459544e+00
## site_of_resection_or_biopsy_Mandible.to.1layhid12	-1.287340e+00
## site_of_resection_or_biopsy_Mouth_NOS.to.1layhid12	3.755401e+01
## site_of_resection_or_biopsy_Ovary.to.1layhid12	-4.116648e+02
## site_of_resection_or_biopsy_Pelvis_NOS.to.1layhid12	-4.152685e+02
## site_of_resection_or_biopsy_Peritoneum_NOS.to.1layhid12	-4.164233e+02
## site_of_resection_or_biopsy_Retroperitoneum.to.1layhid12	-8.505575e+01
## site_of_resection_or_biopsy_Small_intestine_NOS.to.1layhid12	3.421845e+01
## site_of_resection_or_biopsy_Specified_parts_of_peritoneum.to.1layhid12	-4.460543e-01
## site_of_resection_or_biopsy_Spleen.to.1layhid12	1.615384e+00
## site_of_resection_or_biopsy_Testis_NOS.to.1layhid12	-4.133727e+02
## site_of_resection_or_biopsy_Vestibule_of_mouth.to.1layhid12	3.584539e+01
## tissue_or_organ_of_origin_Bone_marrow.to.1layhid12	5.969597e-01
## tissue_or_organ_of_origin_Bones_of_skull_and_face.to.1layhid12	3.501810e+01
## tissue_or_organ_of_origin_Hematopoietic_system_NOS.to.1layhid12	1.124636e+00
## tissue_or_organ_of_origin_Orbit_NOS.to.1layhid12	-4.179024e+02
## Intercept.to.1layhid13	3.690734e-01
## project_id_BEATAML1.0_COHORT.to.1layhid13	-2.282260e+00
## project_id_BEATAML1.0_CRENOLANIB.to.1layhid13	-4.163965e+02
## project_id_CGCI_BLGSP.to.1layhid13	3.181781e+00
## project_id_GENIE_DFCI.to.1layhid13	-7.757045e-01
## project_id_GENIE_JHU.to.1layhid13	-1.235908e+00
## project_id_GENIE_MDA.to.1layhid13	4.202229e-01
## project_id_GENIE_MSK.to.1layhid13	1.520263e-01
## project_id_GENIE_UHN.to.1layhid13	9.287469e-01
## project_id_GENIE_VICC.to.1layhid13	-1.775782e-01
## project_id_MMRF_COMMPASS.to.1layhid13	-6.753272e-01
## project_id_OHSU_CNL.to.1layhid13	-2.128883e+00
## project_id_TARGET_ALL_P1.to.1layhid13	-1.060224e+01
## project_id_TARGET_ALL_P2.to.1layhid13	1.469702e+00
## project_id_TARGET_ALL_P3.to.1layhid13	1.018080e+00
## project_id_TARGET_AML.to.1layhid13	1.554436e+00
## project_id_TARGET_NBL.to.1layhid13	-1.502728e+00
## project_id_TCGA_LAML.to.1layhid13	-5.049231e+00
## ethnicity_hispanic.to.1layhid13	-7.102500e+00
## ethnicity_not_hispanic.to.1layhid13	-1.415612e+00
## gender_female.to.1layhid13	-1.896376e+00
## gender_male.to.1layhid13	1.115868e+00
## race_ameri_ind_or_alaska.to.1layhid13	-4.762974e+00
## race_asian.to.1layhid13	-1.230080e+00
## race_black_or_afr_ameri.to.1layhid13	-1.979963e+00
## race_hawaiian_or_pacific_islander.to.1layhid13	2.069465e+00
## race_other.to.1layhid13	-5.966601e+00
## race_white.to.1layhid13	6.093940e-01
## iss_stage_I.to.1layhid13	-7.216207e-01
## iss_stage_II.to.1layhid13	1.975083e+00
## iss_stage_III.to.1layhid13	4.372693e+00
## site_of_resection_or_biopsy_Abdomen_NOS.to.1layhid13	-6.299309e+00
## site_of_resection_or_biopsy_Blood.to.1layhid13	9.569795e-01
## site_of_resection_or_biopsy_Bone_marrow.to.1layhid13	6.486213e-01
## site_of_resection_or_biopsy_Bones_of_skull_and_face.to.1layhid13	-1.605435e+00
## site_of_resection_or_biopsy_Cheek_mucosa.to.1layhid13	-8.551604e+00
## site_of_resection_or_biopsy_Connective_and_other_soft_tissues.to.1layhid13	3.063775e+01
## site_of_resection_or_biopsy_Connective_and_other_soft_tissues_NOS.to.1layhid13	2.621365e+00

## site_of_resection_or_biopsy_Head_face_or_neck_NOS.to.1layhid13	2.049146e-01
## site_of_resection_or_biopsy_Hematopoietic_system_NOS.to.1layhid13	5.537364e-01
## site_of_resection_or_biopsy_Intra_abdominal_lymph_nodes.to.1layhid13	2.967163e+01
## site_of_resection_or_biopsy_Kidney_NOS.to.1layhid13	-1.245060e+01
## site_of_resection_or_biopsy_Lip_NOS.to.1layhid13	-4.103230e+02
## site_of_resection_or_biopsy_Liver.to.1layhid13	-2.158534e+00
## site_of_resection_or_biopsy_Lower_gum.to.1layhid13	-3.688112e+02
## site_of_resection_or_biopsy_Lymph_nodes_of_head_face_neck.to.1layhid13	2.747233e+00
## site_of_resection_or_biopsy_Mandible.to.1layhid13	-2.696826e+00
## site_of_resection_or_biopsy_Mouth_NOS.to.1layhid13	-3.594228e+02
## site_of_resection_or_biopsy_Ovary.to.1layhid13	-1.341424e-01
## site_of_resection_or_biopsy_Pelvis_NOS.to.1layhid13	-9.261111e+00
## site_of_resection_or_biopsy_Peritoneum_NOS.to.1layhid13	-9.655374e+00
## site_of_resection_or_biopsy_Retroperitoneum.to.1layhid13	-1.595009e+01
## site_of_resection_or_biopsy_Small_intestine_NOS.to.1layhid13	-4.095894e+02
## site_of_resection_or_biopsy_Specified_parts_of_peritoneum.to.1layhid13	-1.062120e+01
## site_of_resection_or_biopsy_Spleen.to.1layhid13	-9.429439e-01
## site_of_resection_or_biopsy_Testis_NOS.to.1layhid13	2.645758e+01
## site_of_resection_or_biopsy_Vestibule_of_mouth.to.1layhid13	-3.911065e+02
## tissue_or_organ_of_origin_Bone_marrow.to.1layhid13	-1.289969e-02
## tissue_or_organ_of_origin_Bones_of_skull_and_face.to.1layhid13	-9.734341e+00
## tissue_or_organ_of_origin_Hematopoietic_system_NOS.to.1layhid13	7.697463e+00
## tissue_or_organ_of_origin_Orbit_NOS.to.1layhid13	3.566908e+01
## Intercept.to.1layhid14	9.212956e-01
## project_id_BEATAML1.0_COHORT.to.1layhid14	-1.754354e+00
## project_id_BEATAML1.0_CRENOLANIB.to.1layhid14	-2.972738e+00
## project_id_CGCI_BLGSP.to.1layhid14	-2.251600e-01
## project_id_GENIE_DFCI.to.1layhid14	8.931025e-02
## project_id_GENIE_JHU.to.1layhid14	2.413766e-02
## project_id_GENIE_MDA.to.1layhid14	1.122494e+00
## project_id_GENIE_MSK.to.1layhid14	-8.327426e-01
## project_id_GENIE_UHN.to.1layhid14	-1.614309e-01
## project_id_GENIE_VICC.to.1layhid14	-3.991607e-01
## project_id_MMRF_COMMPASS.to.1layhid14	-1.652989e+00
## project_id_OHSU_CNL.to.1layhid14	-1.980243e+00
## project_id_TARGET_ALL_P1.to.1layhid14	-4.380609e+00
## project_id_TARGET_ALL_P2.to.1layhid14	7.013585e+00
## project_id_TARGET_ALL_P3.to.1layhid14	-1.694379e+00
## project_id_TARGET_AML.to.1layhid14	-2.989231e+00
## project_id_TARGET_NBL.to.1layhid14	-4.006246e-01
## project_id_TCGA_LAML.to.1layhid14	1.331895e+00
## ethnicity_hispanic.to.1layhid14	1.118765e+00
## ethnicity_not_hispanic.to.1layhid14	1.726060e+00
## gender_female.to.1layhid14	9.699724e+00
## gender_male.to.1layhid14	-5.098393e-02
## race_ameri_ind_or_alaska.to.1layhid14	2.142543e+00
## race_asian.to.1layhid14	1.505301e+00
## race_black_or_afr_ameri.to.1layhid14	-1.813615e+00
## race_hawaiian_or_pacific_islander.to.1layhid14	1.797650e+01
## race_other.to.1layhid14	9.618845e-01
## race_white.to.1layhid14	8.739014e-01
## iss_stage_I.to.1layhid14	1.183103e+00
## iss_stage_II.to.1layhid14	-1.215023e+00
## iss_stage_III.to.1layhid14	-1.656183e+00

## site_of_resection_or_biopsy_Abdomen_NOS.to.1layhid14	4.272752e-01
## site_of_resection_or_biopsy_Blood.to.1layhid14	9.781867e-01
## site_of_resection_or_biopsy_Bone_marrow.to.1layhid14	-1.751227e+00
## site_of_resection_or_biopsy_Bones_of_skull_and_face.to.1layhid14	9.800605e-02
## site_of_resection_or_biopsy_Cheek_mucosa.to.1layhid14	-4.134854e+02
## site_of_resection_or_biopsy_Connective_and_other_soft_tissues.to.1layhid14	2.589515e+01
## site_of_resection_or_biopsy_Connective_and_other_soft_tissues_NOS.to.1layhid14	1.059351e+00
## site_of_resection_or_biopsy_Head_face_or_neck_NOS.to.1layhid14	-5.179644e-02
## site_of_resection_or_biopsy_Hematopoietic_system_NOS.to.1layhid14	9.126795e-01
## site_of_resection_or_biopsy_Intra_abdominal_lymph_nodes.to.1layhid14	-9.299932e+00
## site_of_resection_or_biopsy_Kidney_NOS.to.1layhid14	-4.532389e+00
## site_of_resection_or_biopsy_Lip_NOS.to.1layhid14	-4.062250e+02
## site_of_resection_or_biopsy_Liver.to.1layhid14	-1.681395e+00
## site_of_resection_or_biopsy_Lower_gum.to.1layhid14	-2.862072e+02
## site_of_resection_or_biopsy_Lymph_nodes_of_head_face_neck.to.1layhid14	3.524805e+01
## site_of_resection_or_biopsy_Mandible.to.1layhid14	1.946872e+00
## site_of_resection_or_biopsy_Mouth_NOS.to.1layhid14	-1.083193e+01
## site_of_resection_or_biopsy_Ovary.to.1layhid14	2.859792e+01
## site_of_resection_or_biopsy_Pelvis_NOS.to.1layhid14	3.566365e+01
## site_of_resection_or_biopsy_Peritoneum_NOS.to.1layhid14	3.658521e+01
## site_of_resection_or_biopsy_Retroperitoneum.to.1layhid14	-4.005074e+02
## site_of_resection_or_biopsy_Small_intestine_NOS.to.1layhid14	-4.098379e+02
## site_of_resection_or_biopsy_Specified_parts_of_peritoneum.to.1layhid14	-5.742798e+00
## site_of_resection_or_biopsy_Spleen.to.1layhid14	-1.448498e+00
## site_of_resection_or_biopsy_Testis_NOS.to.1layhid14	3.564070e+01
## site_of_resection_or_biopsy_Vestibule_of_mouth.to.1layhid14	-3.184574e+02
## tissue_or_organ_of_origin_Bone_marrow.to.1layhid14	2.156106e-02
## tissue_or_organ_of_origin_Bones_of_skull_and_face.to.1layhid14	-2.604731e+02
## tissue_or_organ_of_origin_Hematopoietic_system_NOS.to.1layhid14	-4.830700e-01
## tissue_or_organ_of_origin_Orbit_NOS.to.1layhid14	3.966967e+01
## Intercept.to.1layhid15	1.887533e+00
## project_id_BEATAML1.0_COHORT.to.1layhid15	-3.959476e+00
## project_id_BEATAML1.0_CRENOLANIB.to.1layhid15	1.194388e+02
## project_id_CGCI_BLGSP.to.1layhid15	-3.105353e-01
## project_id_GENIE_DFCI.to.1layhid15	-8.869591e-01
## project_id_GENIE_JHU.to.1layhid15	-2.596456e-03
## project_id_GENIE_MDA.to.1layhid15	5.691586e-01
## project_id_GENIE_MSK.to.1layhid15	1.638549e+00
## project_id_GENIE_UHN.to.1layhid15	1.461782e-01
## project_id_GENIE_VICC.to.1layhid15	2.473739e+00
## project_id_MMRF_COMMPASS.to.1layhid15	-8.115731e-01
## project_id_OHSU_CNL.to.1layhid15	-3.140951e-01
## project_id_TARGET_ALL_P1.to.1layhid15	3.603002e+01
## project_id_TARGET_ALL_P2.to.1layhid15	-1.868706e+00
## project_id_TARGET_ALL_P3.to.1layhid15	1.179874e-01
## project_id_TARGET_AML.to.1layhid15	8.737814e-01
## project_id_TARGET_NBL.to.1layhid15	7.331374e+00
## project_id_TCGA_LAML.to.1layhid15	3.837192e+01
## ethnicity_hispanic.to.1layhid15	-1.236705e+00
## ethnicity_not_hispanic.to.1layhid15	6.257462e-01
## gender_female.to.1layhid15	-1.756798e+00
## gender_male.to.1layhid15	1.276804e+00
## race_ameri_ind_or_alaska.to.1layhid15	3.704214e+01
## race_asian.to.1layhid15	5.603840e-02

## race_black_or_afr_ameri.to.1layhid15	7.562211e-01
## race_hawaiian_or_pacific_islander.to.1layhid15	4.274822e+00
## race_other.to.1layhid15	3.866803e+00
## race_white.to.1layhid15	8.319988e-01
## iss_stage_I.to.1layhid15	-8.703640e-01
## iss_stage_II.to.1layhid15	1.019443e+00
## iss_stage_III.to.1layhid15	2.898096e+00
## site_of_resection_or_biopsy_Abdomen_NOS.to.1layhid15	3.802449e+01
## site_of_resection_or_biopsy_Blood.to.1layhid15	2.647625e+00
## site_of_resection_or_biopsy_Bone_marrow.to.1layhid15	-1.194741e+00
## site_of_resection_or_biopsy_Bones_of_skull_and_face.to.1layhid15	4.059400e+01
## site_of_resection_or_biopsy_Cheek_mucosa.to.1layhid15	3.799421e+01
## site_of_resection_or_biopsy_Connective_and_other_soft_tissues.to.1layhid15	-4.158848e+02
## site_of_resection_or_biopsy_Connective_and_other_soft_tissues_NOS.to.1layhid15	-3.750114e-01
## site_of_resection_or_biopsy_Head_face_or_neck_NOS.to.1layhid15	2.433752e+00
## site_of_resection_or_biopsy_Hematopoietic_system_NOS.to.1layhid15	1.275776e+00
## site_of_resection_or_biopsy_Intra_abdominal_lymph_nodes.to.1layhid15	-4.678604e+00
## site_of_resection_or_biopsy_Kidney_NOS.to.1layhid15	-1.502374e+00
## site_of_resection_or_biopsy_Lip_NOS.to.1layhid15	3.495513e+01
## site_of_resection_or_biopsy_Liver.to.1layhid15	-4.639806e+00
## site_of_resection_or_biopsy_Lower_gum.to.1layhid15	3.734537e+01
## site_of_resection_or_biopsy_Lymph_nodes_of_head_face_neck.to.1layhid15	3.983565e+01
## site_of_resection_or_biopsy_Mandible.to.1layhid15	-3.569485e+00
## site_of_resection_or_biopsy_Mouth_NOS.to.1layhid15	3.804897e+01
## site_of_resection_or_biopsy_Ovary.to.1layhid15	-4.153750e+02
## site_of_resection_or_biopsy_Pelvis_NOS.to.1layhid15	3.618864e+01
## site_of_resection_or_biopsy_Peritoneum_NOS.to.1layhid15	-4.161459e+02
## site_of_resection_or_biopsy_Retroperitoneum.to.1layhid15	-8.618753e+01
## site_of_resection_or_biopsy_Small_intestine_NOS.to.1layhid15	3.514747e+01
## site_of_resection_or_biopsy_Specified_parts_of_peritoneum.to.1layhid15	-1.469263e+00
## site_of_resection_or_biopsy_Spleen.to.1layhid15	-3.373818e+00
## site_of_resection_or_biopsy_Testis_NOS.to.1layhid15	-4.165334e+02
## site_of_resection_or_biopsy_Vestibule_of_mouth.to.1layhid15	3.885921e+01
## tissue_or_organ_of_origin_Bone_marrow.to.1layhid15	-1.616137e-01
## tissue_or_organ_of_origin_Bones_of_skull_and_face.to.1layhid15	3.459700e+01
## tissue_or_organ_of_origin_Hematopoietic_system_NOS.to.1layhid15	-1.561519e+00
## tissue_or_organ_of_origin_Orbit_NOS.to.1layhid15	-4.164401e+02
## Intercept.to.1layhid16	8.666138e-02
## project_id_BEATAML1.0_COHORT.to.1layhid16	5.047046e+00
## project_id_BEATAML1.0_CRENOLANIB.to.1layhid16	-3.881502e+02
## project_id_CGCI_BLGSP.to.1layhid16	-3.767400e-01
## project_id_GENIE_DFCI.to.1layhid16	4.596990e-01
## project_id_GENIE_JHU.to.1layhid16	-2.310054e-01
## project_id_GENIE_MDA.to.1layhid16	8.520346e-01
## project_id_GENIE_MSK.to.1layhid16	-1.954331e-01
## project_id_GENIE_UHN.to.1layhid16	1.375442e+00
## project_id_GENIE_VICC.to.1layhid16	9.312768e-01
## project_id_MMRF_COMPASS.to.1layhid16	1.644029e+00
## project_id_OHSU_CNL.to.1layhid16	5.415217e+00
## project_id_TARGET_ALL_P1.to.1layhid16	3.867392e+00
## project_id_TARGET_ALL_P2.to.1layhid16	-2.599846e+01
## project_id_TARGET_ALL_P3.to.1layhid16	-2.344905e-01
## project_id_TARGET_AML.to.1layhid16	1.014244e+00
## project_id_TARGET_NBL.to.1layhid16	3.991497e+01

## project_id_TCGA_LAML.to.1layhid16	4.521819e+00
## ethnicity_hispanic.to.1layhid16	-5.526258e+00
## ethnicity_not_hispanic.to.1layhid16	-1.017557e+00
## gender_female.to.1layhid16	-1.349718e+00
## gender_male.to.1layhid16	2.003673e+00
## race_ameri_ind_or_alaska.to.1layhid16	-9.605806e-01
## race_asian.to.1layhid16	-9.338518e-01
## race_black_or_afr_ameri.to.1layhid16	-4.590084e-01
## race_hawaiian_or_pacific_islander.to.1layhid16	-1.561777e-01
## race_other.to.1layhid16	6.668225e-01
## race_white.to.1layhid16	1.018126e-01
## iss_stage_I.to.1layhid16	3.369410e-02
## iss_stage_II.to.1layhid16	-9.764219e-01
## iss_stage_III.to.1layhid16	5.656681e+01
## site_of_resection_or_biopsy_Abdomen_NOS.to.1layhid16	9.757572e-01
## site_of_resection_or_biopsy_Blood.to.1layhid16	-5.994850e-01
## site_of_resection_or_biopsy_Bone_marrow.to.1layhid16	-4.896792e-01
## site_of_resection_or_biopsy_Bones_of_skull_and_face.to.1layhid16	-2.066355e-01
## site_of_resection_or_biopsy_Cheek_mucosa.to.1layhid16	1.963581e+00
## site_of_resection_or_biopsy_Connective_and_other_soft_tissues.to.1layhid16	-4.072812e+02
## site_of_resection_or_biopsy_Connective_and_other_soft_tissues_NOS.to.1layhid16	5.230344e-01
## site_of_resection_or_biopsy_Head_face_or_neck_NOS.to.1layhid16	-7.770254e-01
## site_of_resection_or_biopsy_Hematopoietic_system_NOS.to.1layhid16	3.382161e-01
## site_of_resection_or_biopsy_Intra_abdominal_lymph_nodes.to.1layhid16	-1.780504e+02
## site_of_resection_or_biopsy_Kidney_NOS.to.1layhid16	-3.561622e+02
## site_of_resection_or_biopsy_Lip_NOS.to.1layhid16	-4.007693e+02
## site_of_resection_or_biopsy_Liver.to.1layhid16	-3.917070e+00
## site_of_resection_or_biopsy_Lower_gum.to.1layhid16	-3.643331e+02
## site_of_resection_or_biopsy_Lymph_nodes_of_head_face_neck.to.1layhid16	-2.721260e-01
## site_of_resection_or_biopsy_Mandible.to.1layhid16	-1.629442e+00
## site_of_resection_or_biopsy_Mouth_NOS.to.1layhid16	-4.047391e+02
## site_of_resection_or_biopsy_Ovary.to.1layhid16	-4.097050e+02
## site_of_resection_or_biopsy_Pelvis_NOS.to.1layhid16	1.433624e+00
## site_of_resection_or_biopsy_Peritoneum_NOS.to.1layhid16	-4.081767e+02
## site_of_resection_or_biopsy_Retroperitoneum.to.1layhid16	-8.974240e-01
## site_of_resection_or_biopsy_Small_intestine_NOS.to.1layhid16	-4.058025e+02
## site_of_resection_or_biopsy_Specified_parts_of_peritoneum.to.1layhid16	-5.853066e+01
## site_of_resection_or_biopsy_Spleen.to.1layhid16	1.194430e-01
## site_of_resection_or_biopsy_Testis_NOS.to.1layhid16	-4.022010e+02
## site_of_resection_or_biopsy_Vestibule_of_mouth.to.1layhid16	-3.920718e+02
## tissue_or_organ_of_origin_Bone_marrow.to.1layhid16	6.137236e-01
## tissue_or_organ_of_origin_Bones_of_skull_and_face.to.1layhid16	-3.917057e+02
## tissue_or_organ_of_origin_Hematopoietic_system_NOS.to.1layhid16	-6.152051e-01
## tissue_or_organ_of_origin_Orbit_NOS.to.1layhid16	-4.123580e+02
## Intercept.to.1layhid17	-3.947965e-02
## project_id_BEATAML1.0_COHORT.to.1layhid17	-1.159263e+00
## project_id_BEATAML1.0_CRENOLANIB.to.1layhid17	-4.132827e+02
## project_id_CGCI_BLGSP.to.1layhid17	-1.308953e+01
## project_id_GENIE_DFCI.to.1layhid17	-1.328284e+00
## project_id_GENIE_JHU.to.1layhid17	-1.077673e+00
## project_id_GENIE_MDA.to.1layhid17	-2.352928e+00
## project_id_GENIE_MSK.to.1layhid17	3.618830e-01
## project_id_GENIE_UHN.to.1layhid17	-8.623309e-02
## project_id_GENIE_VICC.to.1layhid17	-4.485257e-01

## project_id_MRRF_COMPASS.to.1layhid17	-1.274291e+00
## project_id_OHSU_CNL.to.1layhid17	-1.410561e+00
## project_id_TARGET_ALL_P1.to.1layhid17	5.916243e-01
## project_id_TARGET_ALL_P2.to.1layhid17	-2.427609e+00
## project_id_TARGET_ALL_P3.to.1layhid17	9.036361e-01
## project_id_TARGET_AML.to.1layhid17	-1.796373e-03
## project_id_TARGET_NBL.to.1layhid17	-3.727845e-02
## project_id_TCGA_LAML.to.1layhid17	-4.021853e+02
## ethnicity_hispanic.to.1layhid17	-1.664362e+00
## ethnicity_not_hispanic.to.1layhid17	-2.666550e-01
## gender_female.to.1layhid17	3.879013e-02
## gender_male.to.1layhid17	-1.921045e+00
## race_ameri_ind_or_alaska.to.1layhid17	-8.326521e-01
## race_asian.to.1layhid17	4.002489e+00
## race_black_or_afr_ameri.to.1layhid17	5.289857e-01
## race_hawaiian_or_pacific_islander.to.1layhid17	-1.398576e+00
## race_other.to.1layhid17	1.291681e+00
## race_white.to.1layhid17	5.884285e-01
## iss_stage_I.to.1layhid17	3.037640e-01
## iss_stage_II.to.1layhid17	8.825572e-01
## iss_stage_III.to.1layhid17	-1.045155e+00
## site_of_resection_or_biopsy_Abdomen_NOS.to.1layhid17	-4.111275e+02
## site_of_resection_or_biopsy_Blood.to.1layhid17	2.019636e+00
## site_of_resection_or_biopsy_Bone_marrow.to.1layhid17	4.453658e-01
## site_of_resection_or_biopsy_Bones_of_skull_and_face.to.1layhid17	2.926328e+00
## site_of_resection_or_biopsy_Cheek_mucosa.to.1layhid17	-4.145192e+02
## site_of_resection_or_biopsy_Connective_and_other_soft_tissues.to.1layhid17	6.375109e+01
## site_of_resection_or_biopsy_Connective_and_other_soft_tissues_NOS.to.1layhid17	-3.632108e-01
## site_of_resection_or_biopsy_Head_face_or_neck_NOS.to.1layhid17	-1.970701e+00
## site_of_resection_or_biopsy_Hematopoietic_system_NOS.to.1layhid17	7.748735e-01
## site_of_resection_or_biopsy_Intra_abdominal_lymph_nodes.to.1layhid17	-4.064217e+02
## site_of_resection_or_biopsy_Kidney_NOS.to.1layhid17	2.648623e+01
## site_of_resection_or_biopsy_Lip_NOS.to.1layhid17	-4.177034e+02
## site_of_resection_or_biopsy_Liver.to.1layhid17	-1.981268e+00
## site_of_resection_or_biopsy_Lower_gum.to.1layhid17	-3.355375e+02
## site_of_resection_or_biopsy_Lymph_nodes_of_head_face_neck.to.1layhid17	-1.073243e-01
## site_of_resection_or_biopsy_Mandible.to.1layhid17	-4.144692e+02
## site_of_resection_or_biopsy_Mouth_NOS.to.1layhid17	-4.152528e+02
## site_of_resection_or_biopsy_Ovary.to.1layhid17	6.380129e+01
## site_of_resection_or_biopsy_Pelvis_NOS.to.1layhid17	-4.124831e+02
## site_of_resection_or_biopsy_Peritoneum_NOS.to.1layhid17	6.375260e+01
## site_of_resection_or_biopsy_Retroperitoneum.to.1layhid17	6.561614e+01
## site_of_resection_or_biopsy_Small_intestine_NOS.to.1layhid17	-4.149096e+02
## site_of_resection_or_biopsy_Specified_parts_of_peritoneum.to.1layhid17	2.577749e+01
## site_of_resection_or_biopsy_Spleen.to.1layhid17	2.393410e+00
## site_of_resection_or_biopsy_Testis_NOS.to.1layhid17	6.568749e+01
## site_of_resection_or_biopsy_Vestibule_of_mouth.to.1layhid17	-4.152081e+02
## tissue_or_organ_of_origin_Bone_marrow.to.1layhid17	3.025113e-02
## tissue_or_organ_of_origin_Bones_of_skull_and_face.to.1layhid17	-4.147120e+02
## tissue_or_organ_of_origin_Hematopoietic_system_NOS.to.1layhid17	-1.310591e+01
## tissue_or_organ_of_origin_Orbit_NOS.to.1layhid17	5.220141e+01
## Intercept.to.1layhid18	-6.704171e-01
## project_id_BEATAML1.0_COHORT.to.1layhid18	-2.503979e-01
## project_id_BEATAML1.0_CRENOLANIB.to.1layhid18	-4.164472e+02

## project_id_CGCI_BLGSP.to.1layhid18	9.862793e-01
## project_id_GENIE_DFCI.to.1layhid18	-1.921523e+00
## project_id_GENIE_JHU.to.1layhid18	-1.213031e-02
## project_id_GENIE_MDA.to.1layhid18	-9.299378e-01
## project_id_GENIE_MSK.to.1layhid18	-1.287360e+00
## project_id_GENIE_UHN.to.1layhid18	-2.908634e-02
## project_id_GENIE_VICC.to.1layhid18	7.466421e-01
## project_id_MMRF_COMPASS.to.1layhid18	-6.418029e+01
## project_id_OHSU_CNL.to.1layhid18	2.551098e-01
## project_id_TARGET_ALL_P1.to.1layhid18	-7.533150e-01
## project_id_TARGET_ALL_P2.to.1layhid18	1.159652e+00
## project_id_TARGET_ALL_P3.to.1layhid18	8.564811e-01
## project_id_TARGET_AML.to.1layhid18	1.287076e+00
## project_id_TARGET_NBL.to.1layhid18	1.249696e+00
## project_id_TCGA_LAML.to.1layhid18	-1.499891e-01
## ethnicity_hispanic.to.1layhid18	-9.064706e-01
## ethnicity_not_hispanic.to.1layhid18	-1.025462e+00
## gender_female.to.1layhid18	-4.751228e-01
## gender_male.to.1layhid18	-1.447939e+00
## race_ameri_ind_or_alaska.to.1layhid18	1.023521e+00
## race_asian.to.1layhid18	1.584757e+00
## race_black_or_afr_ameri.to.1layhid18	3.938126e-01
## race_hawaiian_or_pacific_islander.to.1layhid18	3.872182e+00
## race_other.to.1layhid18	2.364587e-01
## race_white.to.1layhid18	6.693809e-01
## iss_stage_I.to.1layhid18	-2.366123e-01
## iss_stage_II.to.1layhid18	4.755219e-01
## iss_stage_III.to.1layhid18	1.452326e+00
## site_of_resection_or_biopsy_Abdomen_NOS.to.1layhid18	-6.179296e-01
## site_of_resection_or_biopsy_Blood.to.1layhid18	-6.570467e-01
## site_of_resection_or_biopsy_Bone_marrow.to.1layhid18	-1.682185e+00
## site_of_resection_or_biopsy_Bones_of_skull_and_face.to.1layhid18	-3.740189e+00
## site_of_resection_or_biopsy_Cheek_mucosa.to.1layhid18	-3.810902e+02
## site_of_resection_or_biopsy_Connective_and_other_soft_tissues.to.1layhid18	-1.110993e+00
## site_of_resection_or_biopsy_Connective_and_other_soft_tissues_NOS.to.1layhid18	-7.995846e-01
## site_of_resection_or_biopsy_Head_face_or_neck_NOS.to.1layhid18	-1.587821e+00
## site_of_resection_or_biopsy_Hematopoietic_system_NOS.to.1layhid18	-1.119839e+00
## site_of_resection_or_biopsy_Intra_abdominal_lymph_nodes.to.1layhid18	-2.351691e-01
## site_of_resection_or_biopsy_Kidney_NOS.to.1layhid18	7.579866e-01
## site_of_resection_or_biopsy_Lip_NOS.to.1layhid18	-4.127298e+02
## site_of_resection_or_biopsy_Liver.to.1layhid18	-1.347694e+00
## site_of_resection_or_biopsy_Lower_gum.to.1layhid18	-4.172160e+02
## site_of_resection_or_biopsy_Lymph_nodes_of_head_face_neck.to.1layhid18	-1.722819e+00
## site_of_resection_or_biopsy_Mandible.to.1layhid18	1.420698e+00
## site_of_resection_or_biopsy_Mouth_NOS.to.1layhid18	-4.158388e+02
## site_of_resection_or_biopsy_Ovary.to.1layhid18	-1.037447e+00
## site_of_resection_or_biopsy_Pelvis_NOS.to.1layhid18	-3.759512e+02
## site_of_resection_or_biopsy_Peritoneum_NOS.to.1layhid18	-3.899801e-01
## site_of_resection_or_biopsy_Retroperitoneum.to.1layhid18	-1.168486e+01
## site_of_resection_or_biopsy_Small_intestine_NOS.to.1layhid18	-4.166031e+02
## site_of_resection_or_biopsy_Specified_parts_of_peritoneum.to.1layhid18	-4.077732e+02
## site_of_resection_or_biopsy_Spleen.to.1layhid18	-1.004634e+02
## site_of_resection_or_biopsy_Testis_NOS.to.1layhid18	1.149829e-01
## site_of_resection_or_biopsy_Vestibule_of_mouth.to.1layhid18	-4.193795e+02

## tissue_or_organ_of_origin_Bone_marrow.to.1layhid18	9.262143e-01
## tissue_or_organ_of_origin_Bones_of_skull_and_face.to.1layhid18	-4.160404e+02
## tissue_or_organ_of_origin_Hematopoietic_system_NOS.to.1layhid18	-5.854905e-01
## tissue_or_organ_of_origin_Orbit_NOS.to.1layhid18	1.604698e+00
## Intercept.to.1layhid19	-4.929841e-01
## project_id_BEATAML1.0_COHORT.to.1layhid19	-2.317910e+00
## project_id_BEATAML1.0_CRENOLANIB.to.1layhid19	1.050031e+02
## project_id_CGCI_BLGSP.to.1layhid19	1.591745e+00
## project_id_GENIE_DFCI.to.1layhid19	2.227237e+00
## project_id_GENIE_JHU.to.1layhid19	4.210033e-01
## project_id_GENIE_MDA.to.1layhid19	-8.742454e-01
## project_id_GENIE_MSK.to.1layhid19	-1.038403e+00
## project_id_GENIE_UHN.to.1layhid19	-3.429571e-01
## project_id_GENIE_VICC.to.1layhid19	-1.620838e+00
## project_id_MMRF_COMMPASS.to.1layhid19	-7.068390e-01
## project_id_OHSU_CNL.to.1layhid19	-8.883382e-01
## project_id_TARGET_ALL_P1.to.1layhid19	-2.246117e+00
## project_id_TARGET_ALL_P2.to.1layhid19	6.967336e-01
## project_id_TARGET_ALL_P3.to.1layhid19	2.278546e-01
## project_id_TARGET_AML.to.1layhid19	2.450562e+00
## project_id_TARGET_NBL.to.1layhid19	-2.169357e-01
## project_id_TCGA_LAML.to.1layhid19	-3.301316e+00
## ethnicity_hispanic.to.1layhid19	2.206102e-01
## ethnicity_not_hispanic.to.1layhid19	7.105702e-01
## gender_female.to.1layhid19	-4.175605e-01
## gender_male.to.1layhid19	-1.300577e-02
## race_ameri_ind_or_alaska.to.1layhid19	-2.173467e+00
## race_asian.to.1layhid19	4.850337e-01
## race_black_or_afr_ameri.to.1layhid19	7.546538e-01
## race_hawaiian_or_pacific_islander.to.1layhid19	2.643954e+00
## race_other.to.1layhid19	4.289810e+00
## race_white.to.1layhid19	5.371711e-01
## iss_stage_I.to.1layhid19	-1.406605e+00
## iss_stage_II.to.1layhid19	5.535278e-01
## iss_stage_III.to.1layhid19	8.485051e-01
## site_of_resection_or_biopsy_Abdomen_NOS.to.1layhid19	3.833012e+01
## site_of_resection_or_biopsy_Blood.to.1layhid19	-1.651391e+00
## site_of_resection_or_biopsy_Bone_marrow.to.1layhid19	1.714379e-01
## site_of_resection_or_biopsy_Bones_of_skull_and_face.to.1layhid19	-1.903911e+00
## site_of_resection_or_biopsy_Cheek_mucosa.to.1layhid19	3.592613e+01
## site_of_resection_or_biopsy_Connective_and_other_soft_tissues.to.1layhid19	-4.038342e+02
## site_of_resection_or_biopsy_Connective_and_other_soft_tissues_NOS.to.1layhid19	-2.295663e-01
## site_of_resection_or_biopsy_Head_face_or_neck_NOS.to.1layhid19	2.198935e-01
## site_of_resection_or_biopsy_Hematopoietic_system_NOS.to.1layhid19	-1.303757e+00
## site_of_resection_or_biopsy_Intra_abdominal_lymph_nodes.to.1layhid19	3.393093e+01
## site_of_resection_or_biopsy_Kidney_NOS.to.1layhid19	3.551881e+01
## site_of_resection_or_biopsy_Lip_NOS.to.1layhid19	3.405700e+01
## site_of_resection_or_biopsy_Liver.to.1layhid19	-5.276529e-02
## site_of_resection_or_biopsy_Lower_gum.to.1layhid19	3.917095e+01
## site_of_resection_or_biopsy_Lymph_nodes_of_head_face_neck.to.1layhid19	3.642730e+01
## site_of_resection_or_biopsy_Mandible.to.1layhid19	-1.100113e+00
## site_of_resection_or_biopsy_Mouth_NOS.to.1layhid19	3.906759e+01
## site_of_resection_or_biopsy_Ovary.to.1layhid19	-3.893711e+02
## site_of_resection_or_biopsy_Pelvis_NOS.to.1layhid19	-6.732958e-01

## site_of_resection_or_biopsy_Peritoneum_NOS.to.1layhid19	-2.849587e+02
## site_of_resection_or_biopsy_Retroperitoneum.to.1layhid19	-6.724663e+01
## site_of_resection_or_biopsy_Small_intestine_NOS.to.1layhid19	3.570217e+01
## site_of_resection_or_biopsy_Specified_parts_of_peritoneum.to.1layhid19	3.571985e+01
## site_of_resection_or_biopsy_Spleen.to.1layhid19	-7.342699e-01
## site_of_resection_or_biopsy_Testis_NOS.to.1layhid19	-3.472958e+02
## site_of_resection_or_biopsy_Vestibule_of_mouth.to.1layhid19	3.949657e+01
## tissue_or_organ_of_origin_Bone_marrow.to.1layhid19	-4.530600e-01
## tissue_or_organ_of_origin_Bones_of_skull_and_face.to.1layhid19	3.547363e+01
## tissue_or_organ_of_origin_Hematopoietic_system_NOS.to.1layhid19	1.201101e-01
## tissue_or_organ_of_origin_Orbit_NOS.to.1layhid19	-3.723060e+02
## Intercept.to.1layhid20	-3.636760e-01
## project_id_BEATAML1.0_COHORT.to.1layhid20	4.133391e+00
## project_id_BEATAML1.0_CRENOLANIB.to.1layhid20	7.909416e+01
## project_id_CGCI_BLGSP.to.1layhid20	3.012666e+00
## project_id_GENIE_DFCI.to.1layhid20	3.321293e-03
## project_id_GENIE_JHU.to.1layhid20	-1.322013e+00
## project_id_GENIE_MDA.to.1layhid20	8.043732e-01
## project_id_GENIE_MSK.to.1layhid20	-1.039535e+00
## project_id_GENIE_UHN.to.1layhid20	1.002709e+00
## project_id_GENIE_VICC.to.1layhid20	-3.116692e-01
## project_id_MMRF_COMMPASS.to.1layhid20	-1.871352e+00
## project_id_OHSU_CNL.to.1layhid20	3.923562e+01
## project_id_TARGET_ALL_P1.to.1layhid20	3.857785e+00
## project_id_TARGET_ALL_P2.to.1layhid20	-1.023866e+00
## project_id_TARGET_ALL_P3.to.1layhid20	2.592683e+00
## project_id_TARGET_AML.to.1layhid20	-7.710754e-01
## project_id_TARGET_NBL.to.1layhid20	9.764323e-01
## project_id_TCGA_LAML.to.1layhid20	7.704128e-01
## ethnicity_hispanic.to.1layhid20	-8.446976e-02
## ethnicity_not_hispanic.to.1layhid20	1.362990e-01
## gender_female.to.1layhid20	-1.074356e+00
## gender_male.to.1layhid20	-6.980610e-01
## race_ameri_ind_or_alaska.to.1layhid20	3.041897e+00
## race_asian.to.1layhid20	-3.190185e+00
## race_black_or_afr_ameri.to.1layhid20	-8.928726e-01
## race_hawaiian_or_pacific_islander.to.1layhid20	-3.421917e-01
## race_other.to.1layhid20	1.673925e+00
## race_white.to.1layhid20	-7.331320e-01
## iss_stage_I.to.1layhid20	1.575164e+00
## iss_stage_II.to.1layhid20	-1.071459e-01
## iss_stage_III.to.1layhid20	2.536743e-01
## site_of_resection_or_biopsy_Abdomen_NOS.to.1layhid20	3.584701e+01
## site_of_resection_or_biopsy_Blood.to.1layhid20	1.443698e+00
## site_of_resection_or_biopsy_Bone_marrow.to.1layhid20	-7.057134e-01
## site_of_resection_or_biopsy_Bones_of_skull_and_face.to.1layhid20	-7.439602e-01
## site_of_resection_or_biopsy_Cheek_mucosa.to.1layhid20	3.496746e+01
## site_of_resection_or_biopsy_Connective_and_other_soft_tissues.to.1layhid20	-4.127000e+02
## site_of_resection_or_biopsy_Connective_and_other_soft_tissues_NOS.to.1layhid20	1.408849e-01
## site_of_resection_or_biopsy_Head_face_or_neck_NOS.to.1layhid20	-1.464472e+00
## site_of_resection_or_biopsy_Hematopoietic_system_NOS.to.1layhid20	-2.542728e-01
## site_of_resection_or_biopsy_Intra_abdominal_lymph_nodes.to.1layhid20	3.591277e+01
## site_of_resection_or_biopsy_Kidney_NOS.to.1layhid20	3.549815e+01
## site_of_resection_or_biopsy_Lip_NOS.to.1layhid20	3.570424e+01

## site_of_resection_or_biopsy_Liver.to.1layhid20	7.119176e+00
## site_of_resection_or_biopsy_Lower_gum.to.1layhid20	3.572234e+01
## site_of_resection_or_biopsy_Lymph_nodes_of_head_face_neck.to.1layhid20	2.695381e+00
## site_of_resection_or_biopsy_Mandible.to.1layhid20	1.754435e+00
## site_of_resection_or_biopsy_Mouth_NOS.to.1layhid20	3.615511e+01
## site_of_resection_or_biopsy_Ovary.to.1layhid20	-4.084109e+02
## site_of_resection_or_biopsy_Pelvis_NOS.to.1layhid20	3.589801e+01
## site_of_resection_or_biopsy_Peritoneum_NOS.to.1layhid20	-3.466225e+02
## site_of_resection_or_biopsy_Retroperitoneum.to.1layhid20	-2.413696e+00
## site_of_resection_or_biopsy_Small_intestine_NOS.to.1layhid20	3.367630e+01
## site_of_resection_or_biopsy_Specified_parts_of_peritoneum.to.1layhid20	3.530943e+01
## site_of_resection_or_biopsy_Spleen.to.1layhid20	7.363152e+00
## site_of_resection_or_biopsy_Testis_NOS.to.1layhid20	-4.086249e+02
## site_of_resection_or_biopsy_Vestibule_of_mouth.to.1layhid20	3.600762e+01
## tissue_or_organ_of_origin_Bone_marrow.to.1layhid20	3.488237e-01
## tissue_or_organ_of_origin_Bones_of_skull_and_face.to.1layhid20	3.602069e+01
## tissue_or_organ_of_origin_Hematopoietic_system_NOS.to.1layhid20	1.805389e-01
## tissue_or_organ_of_origin_Orbit_NOS.to.1layhid20	-4.143050e+02
## Intercept.to.1layhid21	-6.999830e-01
## project_id_BEATAML1.0_COHORT.to.1layhid21	4.202238e+00
## project_id_BEATAML1.0_CRENOLANIB.to.1layhid21	3.800226e+01
## project_id_CGCI_BLGSP.to.1layhid21	-6.574436e-01
## project_id_GENIE_DFCI.to.1layhid21	4.952169e-02
## project_id_GENIE_JHU.to.1layhid21	9.652434e-01
## project_id_GENIE_MDA.to.1layhid21	8.891349e-01
## project_id_GENIE_MSK.to.1layhid21	-5.403754e-01
## project_id_GENIE_UHN.to.1layhid21	1.033222e+00
## project_id_GENIE_VICC.to.1layhid21	-2.186332e-01
## project_id_MMRF_COMMPASS.to.1layhid21	-1.112995e+00
## project_id_OHSU_CNL.to.1layhid21	-1.139280e+00
## project_id_TARGET_ALL_P1.to.1layhid21	3.234276e+01
## project_id_TARGET_ALL_P2.to.1layhid21	-2.342009e+00
## project_id_TARGET_ALL_P3.to.1layhid21	6.447923e-01
## project_id_TARGET_AML.to.1layhid21	-6.799404e-01
## project_id_TARGET_NBL.to.1layhid21	2.507467e+00
## project_id_TCGA_LAML.to.1layhid21	1.746983e+00
## ethnicity_hispanic.to.1layhid21	2.028716e+00
## ethnicity_not_hispanic.to.1layhid21	-1.060663e-01
## gender_female.to.1layhid21	5.847747e-02
## gender_male.to.1layhid21	6.302769e-01
## race_ameri_ind_or_alaska.to.1layhid21	1.801820e+00
## race_asian.to.1layhid21	2.857116e+00
## race_black_or_afr_ameri.to.1layhid21	8.778808e-01
## race_hawaiian_or_pacific_islander.to.1layhid21	-1.227774e+00
## race_other.to.1layhid21	-3.147487e+00
## race_white.to.1layhid21	-1.340788e+00
## iss_stage_I.to.1layhid21	2.058951e-01
## iss_stage_II.to.1layhid21	-1.114811e+00
## iss_stage_III.to.1layhid21	-1.046477e+00
## site_of_resection_or_biopsy_Abdomen_NOS.to.1layhid21	-1.236331e+00
## site_of_resection_or_biopsy_Blood.to.1layhid21	1.937007e+00
## site_of_resection_or_biopsy_Bone_marrow.to.1layhid21	1.485374e+00
## site_of_resection_or_biopsy_Bones_of_skull_and_face.to.1layhid21	-2.526010e-01
## site_of_resection_or_biopsy_Cheek_mucosa.to.1layhid21	3.827725e+01

## site_of_resection_or_biopsy_Connective_and_other_soft_tissues.to.1layhid21	4.111806e+01
## site_of_resection_or_biopsy_Connective_and_other_soft_tissues_NOS.to.1layhid21	4.466592e-01
## site_of_resection_or_biopsy_Head_face_or_neck_NOS.to.1layhid21	1.119925e-01
## site_of_resection_or_biopsy_Hematopoietic_system_NOS.to.1layhid21	-2.250996e+00
## site_of_resection_or_biopsy_Intra_abdominal_lymph_nodes.to.1layhid21	3.652360e+00
## site_of_resection_or_biopsy_Kidney_NOS.to.1layhid21	2.498153e+00
## site_of_resection_or_biopsy_Lip_NOS.to.1layhid21	3.697218e+01
## site_of_resection_or_biopsy_Liver.to.1layhid21	-6.159015e+00
## site_of_resection_or_biopsy_Lower_gum.to.1layhid21	3.830945e+01
## site_of_resection_or_biopsy_Lymph_nodes_of_head_face_neck.to.1layhid21	1.663055e+00
## site_of_resection_or_biopsy_Mandible.to.1layhid21	-3.075414e-01
## site_of_resection_or_biopsy_Mouth_NOS.to.1layhid21	3.890786e+01
## site_of_resection_or_biopsy_Ovary.to.1layhid21	4.112882e+01
## site_of_resection_or_biopsy_Pelvis_NOS.to.1layhid21	4.709101e+00
## site_of_resection_or_biopsy_Peritoneum_NOS.to.1layhid21	-9.955492e+00
## site_of_resection_or_biopsy_Retroperitoneum.to.1layhid21	4.048517e+01
## site_of_resection_or_biopsy_Small_intestine_NOS.to.1layhid21	3.929740e+01
## site_of_resection_or_biopsy_Specified_parts_of_peritoneum.to.1layhid21	-3.227832e+02
## site_of_resection_or_biopsy_Spleen.to.1layhid21	-3.842943e+00
## site_of_resection_or_biopsy_Testis_NOS.to.1layhid21	-5.431274e+01
## site_of_resection_or_biopsy_Vestibule_of_mouth.to.1layhid21	3.833312e+01
## tissue_or_organ_of_origin_Bone_marrow.to.1layhid21	5.476491e-01
## tissue_or_organ_of_origin_Bones_of_skull_and_face.to.1layhid21	3.629178e+01
## tissue_or_organ_of_origin_Hematopoietic_system_NOS.to.1layhid21	-4.459121e-01
## tissue_or_organ_of_origin_Orbit_NOS.to.1layhid21	-1.055907e+00
## Intercept.to.1layhid22	6.656573e-01
## project_id_BEATAML1.0_COHORT.to.1layhid22	-5.018451e+00
## project_id_BEATAML1.0_CRENOLANIB.to.1layhid22	-4.178142e+02
## project_id_CGCI_BLGSP.to.1layhid22	-1.534114e+00
## project_id_GENIE_DFCI.to.1layhid22	4.845234e-02
## project_id_GENIE_JHU.to.1layhid22	1.489550e+00
## project_id_GENIE_MDA.to.1layhid22	6.099269e-01
## project_id_GENIE_MSK.to.1layhid22	1.620290e-01
## project_id_GENIE_UHN.to.1layhid22	-2.907859e-01
## project_id_GENIE_VICC.to.1layhid22	2.965883e-01
## project_id_MMRF_COMPASS.to.1layhid22	-7.492881e-01
## project_id_OHSU_CNL.to.1layhid22	-2.100954e+02
## project_id_TARGET_ALL_P1.to.1layhid22	-1.272416e+00
## project_id_TARGET_ALL_P2.to.1layhid22	-8.787682e-01
## project_id_TARGET_ALL_P3.to.1layhid22	-1.004026e+00
## project_id_TARGET_AML.to.1layhid22	7.040494e-01
## project_id_TARGET_NBL.to.1layhid22	-9.958302e-01
## project_id_TCGA_LAML.to.1layhid22	-7.265178e-01
## ethnicity_hispanic.to.1layhid22	6.229153e-01
## ethnicity_not_hispanic.to.1layhid22	-2.555674e+00
## gender_female.to.1layhid22	-1.386632e+00
## gender_male.to.1layhid22	1.398135e-01
## race_ameri_ind_or_alaska.to.1layhid22	-3.085252e+00
## race_asian.to.1layhid22	8.428312e-01
## race_black_or_afr_ameri.to.1layhid22	6.530995e-01
## race_hawaiian_or_pacific_islander.to.1layhid22	3.005159e+00
## race_other.to.1layhid22	2.322119e+00
## race_white.to.1layhid22	-1.251751e+00
## iss_stage_I.to.1layhid22	-5.221887e-01

## iss_stage_II.to.1layhid22	-8.715289e-01
## iss_stage_III.to.1layhid22	2.603682e-01
## site_of_resection_or_biopsy_Abdomen_NOS.to.1layhid22	3.468592e+00
## site_of_resection_or_biopsy_Blood.to.1layhid22	2.772608e-01
## site_of_resection_or_biopsy_Bone_marrow.to.1layhid22	2.143059e+00
## site_of_resection_or_biopsy_Bones_of_skull_and_face.to.1layhid22	-3.769805e+02
## site_of_resection_or_biopsy_Cheek_mucosa.to.1layhid22	1.471664e+00
## site_of_resection_or_biopsy_Connective_and_other_soft_tissues.to.1layhid22	4.480109e+01
## site_of_resection_or_biopsy_Connective_and_other_soft_tissues_NOS.to.1layhid22	2.388785e-02
## site_of_resection_or_biopsy_Head_face_or_neck_NOS.to.1layhid22	7.424108e-01
## site_of_resection_or_biopsy_Hematopoietic_system_NOS.to.1layhid22	-3.973615e-01
## site_of_resection_or_biopsy_Intra_abdominal_lymph_nodes.to.1layhid22	-4.154553e+02
## site_of_resection_or_biopsy_Kidney_NOS.to.1layhid22	-4.158810e+02
## site_of_resection_or_biopsy_Lip_NOS.to.1layhid22	-4.184971e+02
## site_of_resection_or_biopsy_Liver.to.1layhid22	1.274463e+00
## site_of_resection_or_biopsy_Lower_gum.to.1layhid22	-4.093491e+02
## site_of_resection_or_biopsy_Lymph_nodes_of_head_face_neck.to.1layhid22	-8.950808e+01
## site_of_resection_or_biopsy_Mandible.to.1layhid22	-1.248493e+00
## site_of_resection_or_biopsy_Mouth_NOS.to.1layhid22	-4.163372e+02
## site_of_resection_or_biopsy_Ovary.to.1layhid22	4.474991e+01
## site_of_resection_or_biopsy_Pelvis_NOS.to.1layhid22	4.320984e+00
## site_of_resection_or_biopsy_Peritoneum_NOS.to.1layhid22	4.446968e+01
## site_of_resection_or_biopsy_Retroperitoneum.to.1layhid22	4.286847e+01
## site_of_resection_or_biopsy_Small_intestine_NOS.to.1layhid22	-4.167474e+02
## site_of_resection_or_biopsy_Specified_parts_of_peritoneum.to.1layhid22	-4.069224e+02
## site_of_resection_or_biopsy_Spleen.to.1layhid22	3.771416e+00
## site_of_resection_or_biopsy_Testis_NOS.to.1layhid22	4.294897e+01
## site_of_resection_or_biopsy_Vestibule_of_mouth.to.1layhid22	-4.175114e+02
## tissue_or_organ_of_origin_Bone_marrow.to.1layhid22	3.759916e-01
## tissue_or_organ_of_origin_Bones_of_skull_and_face.to.1layhid22	-4.186668e+02
## tissue_or_organ_of_origin_Hematopoietic_system_NOS.to.1layhid22	-1.073418e+00
## tissue_or_organ_of_origin_Orbit_NOS.to.1layhid22	3.810635e+01
## Intercept.to.1layhid23	-1.772711e-01
## project_id_BEATAML1.0_COHORT.to.1layhid23	3.472275e+01
## project_id_BEATAML1.0_CRENOLANIB.to.1layhid23	8.368617e+01
## project_id_CGCI_BLGSP.to.1layhid23	-8.869743e-01
## project_id_GENIE_DFCI.to.1layhid23	5.824612e-03
## project_id_GENIE_JHU.to.1layhid23	-6.117335e-01
## project_id_GENIE_MDA.to.1layhid23	7.480378e-02
## project_id_GENIE_MSK.to.1layhid23	9.905019e-01
## project_id_GENIE_UHN.to.1layhid23	1.006943e+00
## project_id_GENIE_VICC.to.1layhid23	-4.572858e-01
## project_id_MMRF_COMMPASS.to.1layhid23	-1.812564e+00
## project_id_OHSU_CNL.to.1layhid23	-1.391042e+00
## project_id_TARGET_ALL_P1.to.1layhid23	3.584066e+01
## project_id_TARGET_ALL_P2.to.1layhid23	5.546410e-01
## project_id_TARGET_ALL_P3.to.1layhid23	-2.553078e+00
## project_id_TARGET_AML.to.1layhid23	3.484418e-01
## project_id_TARGET_NBL.to.1layhid23	-2.734226e-01
## project_id_TCGA_LAML.to.1layhid23	-3.471569e+00
## ethnicity_hispanic.to.1layhid23	6.577774e+00
## ethnicity_not_hispanic.to.1layhid23	1.179419e+00
## gender_female.to.1layhid23	-4.081876e-01
## gender_male.to.1layhid23	2.134164e-01

## race_ameri_ind_or_alaska.to.1layhid23	-2.930138e+00
## race_asian.to.1layhid23	-8.396278e-01
## race_black_or_afr_ameri.to.1layhid23	2.202831e+00
## race_hawaiian_or_pacific_islander.to.1layhid23	-4.148809e+00
## race_other.to.1layhid23	-6.192755e+00
## race_white.to.1layhid23	-1.714884e-01
## iss_stage_I.to.1layhid23	6.601280e-01
## iss_stage_II.to.1layhid23	4.163804e-02
## iss_stage_III.to.1layhid23	-8.028914e-04
## site_of_resection_or_biopsy_Abdomen_NOS.to.1layhid23	-1.882800e+00
## site_of_resection_or_biopsy_Blood.to.1layhid23	-1.090295e+00
## site_of_resection_or_biopsy_Bone_marrow.to.1layhid23	8.543369e-01
## site_of_resection_or_biopsy_Bones_of_skull_and_face.to.1layhid23	-1.794537e+00
## site_of_resection_or_biopsy_Cheek_mucosa.to.1layhid23	-5.346082e+00
## site_of_resection_or_biopsy_Connective_and_other_soft_tissues.to.1layhid23	-3.937808e+02
## site_of_resection_or_biopsy_Connective_and_other_soft_tissues_NOS.to.1layhid23	-1.021267e-01
## site_of_resection_or_biopsy_Head_face_or_neck_NOS.to.1layhid23	8.050446e-01
## site_of_resection_or_biopsy_Hematopoietic_system_NOS.to.1layhid23	-6.901036e-01
## site_of_resection_or_biopsy_Intra_abdominal_lymph_nodes.to.1layhid23	-7.419872e-01
## site_of_resection_or_biopsy_Kidney_NOS.to.1layhid23	-1.803755e+00
## site_of_resection_or_biopsy_Lip_NOS.to.1layhid23	2.947915e+01
## site_of_resection_or_biopsy_Liver.to.1layhid23	-2.976726e+00
## site_of_resection_or_biopsy_Lower_gum.to.1layhid23	3.406671e+01
## site_of_resection_or_biopsy_Lymph_nodes_of_head_face_neck.to.1layhid23	-2.405838e+00
## site_of_resection_or_biopsy_Mandible.to.1layhid23	-1.336948e+00
## site_of_resection_or_biopsy_Mouth_NOS.to.1layhid23	3.469966e+01
## site_of_resection_or_biopsy_Ovary.to.1layhid23	-3.511724e+02
## site_of_resection_or_biopsy_Pelvis_NOS.to.1layhid23	-8.663763e-01
## site_of_resection_or_biopsy_Peritoneum_NOS.to.1layhid23	-3.469972e+02
## site_of_resection_or_biopsy_Retroperitoneum.to.1layhid23	-5.252016e+01
## site_of_resection_or_biopsy_Small_intestine_NOS.to.1layhid23	3.587020e+01
## site_of_resection_or_biopsy_Specified_parts_of_peritoneum.to.1layhid23	3.646032e+01
## site_of_resection_or_biopsy_Spleen.to.1layhid23	1.671729e+00
## site_of_resection_or_biopsy_Testis_NOS.to.1layhid23	-3.827234e+02
## site_of_resection_or_biopsy_Vestibule_of_mouth.to.1layhid23	3.410589e+01
## tissue_or_organ_of_origin_Bone_marrow.to.1layhid23	1.623772e+00
## tissue_or_organ_of_origin_Bones_of_skull_and_face.to.1layhid23	3.342312e+01
## tissue_or_organ_of_origin_Hematopoietic_system_NOS.to.1layhid23	1.483344e-01
## tissue_or_organ_of_origin_Orbit_NOS.to.1layhid23	-3.679140e+02
## Intercept.to.1layhid24	7.203373e-01
## project_id_BEATAML1.0_COHORT.to.1layhid24	-6.954226e-01
## project_id_BEATAML1.0_CRENOLANIB.to.1layhid24	7.911744e+01
## project_id_CGCI_BLGSP.to.1layhid24	8.487601e-01
## project_id_GENIE_DFCI.to.1layhid24	7.132728e-01
## project_id_GENIE_JHU.to.1layhid24	8.013391e-01
## project_id_GENIE_MDA.to.1layhid24	-2.214767e-01
## project_id_GENIE_MSK.to.1layhid24	-4.850213e-01
## project_id_GENIE_UHN.to.1layhid24	-2.232637e-01
## project_id_GENIE_VICC.to.1layhid24	2.036324e-02
## project_id_MMRF_COMMPASS.to.1layhid24	1.170042e+01
## project_id_OHSU_CNL.to.1layhid24	1.816933e+01
## project_id_TARGET_ALL_P1.to.1layhid24	-9.521965e+00
## project_id_TARGET_ALL_P2.to.1layhid24	1.042099e+01
## project_id_TARGET_ALL_P3.to.1layhid24	2.024003e+01

## project_id_TARGET_AML.to.1layhid24	-2.740179e+00
## project_id_TARGET_NBL.to.1layhid24	-1.806393e+01
## project_id_TCGA_LAML.to.1layhid24	-1.045302e+01
## ethnicity_hispanic.to.1layhid24	-1.104903e+01
## ethnicity_not_hispanic.to.1layhid24	8.227648e-01
## gender_female.to.1layhid24	-1.737733e-01
## gender_male.to.1layhid24	-6.072605e+00
## race_ameri_ind_or_alaska.to.1layhid24	-5.691124e+00
## race_asian.to.1layhid24	-4.888709e-01
## race_black_or_afr_ameri.to.1layhid24	-3.830361e-01
## race_hawaiian_or_pacific_islander.to.1layhid24	-2.886472e+00
## race_other.to.1layhid24	-4.569481e+00
## race_white.to.1layhid24	7.799596e+00
## iss_stage_I.to.1layhid24	-4.017858e+00
## iss_stage_II.to.1layhid24	3.247494e+00
## iss_stage_III.to.1layhid24	1.224677e+01
## site_of_resection_or_biopsy_Abdomen_NOS.to.1layhid24	6.377556e+00
## site_of_resection_or_biopsy_Blood.to.1layhid24	-4.339714e+00
## site_of_resection_or_biopsy_Bone_marrow.to.1layhid24	6.339879e+00
## site_of_resection_or_biopsy_Bones_of_skull_and_face.to.1layhid24	-7.784294e+00
## site_of_resection_or_biopsy_Cheek_mucosa.to.1layhid24	-4.088456e+02
## site_of_resection_or_biopsy_Connective_and_other_soft_tissues.to.1layhid24	-3.934523e+02
## site_of_resection_or_biopsy_Connective_and_other_soft_tissues_NOS.to.1layhid24	-4.109169e-01
## site_of_resection_or_biopsy_Head_face_or_neck_NOS.to.1layhid24	-4.591933e-01
## site_of_resection_or_biopsy_Hematopoietic_system_NOS.to.1layhid24	1.632807e+00
## site_of_resection_or_biopsy_Intra_abdominal_lymph_nodes.to.1layhid24	3.641714e+01
## site_of_resection_or_biopsy_Kidney_NOS.to.1layhid24	4.360828e+01
## site_of_resection_or_biopsy_Lip_NOS.to.1layhid24	4.833393e+01
## site_of_resection_or_biopsy_Liver.to.1layhid24	4.463524e+00
## site_of_resection_or_biopsy_Lower_gum.to.1layhid24	-1.352367e+02
## site_of_resection_or_biopsy_Lymph_nodes_of_head_face_neck.to.1layhid24	4.958180e+01
## site_of_resection_or_biopsy_Mandible.to.1layhid24	5.644447e-01
## site_of_resection_or_biopsy_Mouth_NOS.to.1layhid24	7.915630e+00
## site_of_resection_or_biopsy_Ovary.to.1layhid24	-3.071755e+02
## site_of_resection_or_biopsy_Pelvis_NOS.to.1layhid24	-6.058963e+00
## site_of_resection_or_biopsy_Peritoneum_NOS.to.1layhid24	-4.050445e+02
## site_of_resection_or_biopsy_Retroperitoneum.to.1layhid24	-3.383910e+01
## site_of_resection_or_biopsy_Small_intestine_NOS.to.1layhid24	3.566889e+01
## site_of_resection_or_biopsy_Specified_parts_of_peritoneum.to.1layhid24	-8.261194e+00
## site_of_resection_or_biopsy_Spleen.to.1layhid24	4.051288e+00
## site_of_resection_or_biopsy_Testis_NOS.to.1layhid24	-3.023253e+02
## site_of_resection_or_biopsy_Vestibule_of_mouth.to.1layhid24	-5.081779e-01
## tissue_or_organ_of_origin_Bone_marrow.to.1layhid24	4.253772e-01
## tissue_or_organ_of_origin_Bones_of_skull_and_face.to.1layhid24	1.229770e+00
## tissue_or_organ_of_origin_Hematopoietic_system_NOS.to.1layhid24	1.261210e+00
## tissue_or_organ_of_origin_Orbit_NOS.to.1layhid24	-2.858653e+02
## Intercept.to.1layhid25	1.247859e+00
## project_id_BEATAML1.0_COHORT.to.1layhid25	5.308553e+01
## project_id_BEATAML1.0_CRENOLANIB.to.1layhid25	-3.981579e+02
## project_id_CGCI_BLGSP.to.1layhid25	3.192875e-01
## project_id_GENIE_DFCI.to.1layhid25	-8.145861e-01
## project_id_GENIE_JHU.to.1layhid25	-1.714467e+00
## project_id_GENIE_MDA.to.1layhid25	-1.270834e-01
## project_id_GENIE_MSK.to.1layhid25	-1.366616e+00

## project_id_GENIE_UHN.to.1layhid25	-1.489912e+00
## project_id_GENIE_VICC.to.1layhid25	-9.105020e-01
## project_id_MMRF_COMPASS.to.1layhid25	3.861044e+00
## project_id_OHSU_CNL.to.1layhid25	-3.698259e+00
## project_id_TARGET_ALL_P1.to.1layhid25	9.678331e+00
## project_id_TARGET_ALL_P2.to.1layhid25	-1.282127e+01
## project_id_TARGET_ALL_P3.to.1layhid25	-2.446932e+00
## project_id_TARGET_AML.to.1layhid25	-4.088498e+00
## project_id_TARGET_NBL.to.1layhid25	1.342933e+00
## project_id_TCGA_LAML.to.1layhid25	1.670676e+00
## ethnicity_hispanic.to.1layhid25	2.007739e+01
## ethnicity_not_hispanic.to.1layhid25	-2.763260e-01
## gender_female.to.1layhid25	1.234385e+00
## gender_male.to.1layhid25	-6.724918e-01
## race_ameri_ind_or_alaska.to.1layhid25	-1.787028e+01
## race_asian.to.1layhid25	3.499246e+01
## race_black_or_afr_ameri.to.1layhid25	4.898784e-01
## race_hawaiian_or_pacific_islander.to.1layhid25	-3.673712e+00
## race_other.to.1layhid25	-2.045314e+01
## race_white.to.1layhid25	-2.475643e+00
## iss_stage_I.to.1layhid25	-6.989725e-01
## iss_stage_II.to.1layhid25	6.065165e-01
## iss_stage_III.to.1layhid25	-2.404035e+00
## site_of_resection_or_biopsy_Abdomen_NOS.to.1layhid25	-1.946010e+01
## site_of_resection_or_biopsy_Blood.to.1layhid25	-3.402849e+01
## site_of_resection_or_biopsy_Bone_marrow.to.1layhid25	2.222971e+00
## site_of_resection_or_biopsy_Bones_of_skull_and_face.to.1layhid25	2.149299e+00
## site_of_resection_or_biopsy_Cheek_mucosa.to.1layhid25	3.855672e+01
## site_of_resection_or_biopsy_Connective_and_other_soft_tissues.to.1layhid25	4.174826e+01
## site_of_resection_or_biopsy_Connective_and_other_soft_tissues_NOS.to.1layhid25	-3.110925e-01
## site_of_resection_or_biopsy_Head_face_or_neck_NOS.to.1layhid25	1.764628e+00
## site_of_resection_or_biopsy_Hematopoietic_system_NOS.to.1layhid25	2.356003e+00
## site_of_resection_or_biopsy_Intra_abdominal_lymph_nodes.to.1layhid25	-6.769157e-02
## site_of_resection_or_biopsy_Kidney_NOS.to.1layhid25	3.853729e+01
## site_of_resection_or_biopsy_Lip_NOS.to.1layhid25	-4.160617e+02
## site_of_resection_or_biopsy_Liver.to.1layhid25	-3.257207e+00
## site_of_resection_or_biopsy_Lower_gum.to.1layhid25	-4.160019e+02
## site_of_resection_or_biopsy_Lymph_nodes_of_head_face_neck.to.1layhid25	1.174332e+00
## site_of_resection_or_biopsy_Mandible.to.1layhid25	-6.389151e-01
## site_of_resection_or_biopsy_Mouth_NOS.to.1layhid25	-2.534228e+02
## site_of_resection_or_biopsy_Ovary.to.1layhid25	3.868958e+01
## site_of_resection_or_biopsy_Pelvis_NOS.to.1layhid25	5.908454e-01
## site_of_resection_or_biopsy_Peritoneum_NOS.to.1layhid25	3.852040e+01
## site_of_resection_or_biopsy_Retroperitoneum.to.1layhid25	4.150281e+01
## site_of_resection_or_biopsy_Small_intestine_NOS.to.1layhid25	-4.154489e+02
## site_of_resection_or_biopsy_Specified_parts_of_peritoneum.to.1layhid25	-2.074453e+02
## site_of_resection_or_biopsy_Spleen.to.1layhid25	-1.794887e-01
## site_of_resection_or_biopsy_Testis_NOS.to.1layhid25	4.238338e+01
## site_of_resection_or_biopsy_Vestibule_of_mouth.to.1layhid25	-4.143080e+02
## tissue_or_organ_of_origin_Bone_marrow.to.1layhid25	6.674542e-01
## tissue_or_organ_of_origin_Bones_of_skull_and_face.to.1layhid25	-4.178112e+02
## tissue_or_organ_of_origin_Hematopoietic_system_NOS.to.1layhid25	-5.046594e-01
## tissue_or_organ_of_origin_Orbit_NOS.to.1layhid25	3.588785e+01
## Intercept.to.1layhid26	-1.634650e+00

## project_id_BEATAML1.0_COHORT.to.1layhid26	2.290695e+00
## project_id_BEATAML1.0_CRENOLANIB.to.1layhid26	4.521893e+01
## project_id_CGCI_BLGSP.to.1layhid26	-2.056686e-02
## project_id_GENIE_DFCI.to.1layhid26	-6.219005e-02
## project_id_GENIE_JHU.to.1layhid26	-1.322818e-01
## project_id_GENIE_MDA.to.1layhid26	-1.649794e+00
## project_id_GENIE_MSK.to.1layhid26	7.685228e-01
## project_id_GENIE_UHN.to.1layhid26	-1.943179e+00
## project_id_GENIE_VICC.to.1layhid26	1.588744e-01
## project_id_MMRF_COMPASS.to.1layhid26	-1.727619e+00
## project_id_OHSU_CNL.to.1layhid26	3.318466e+00
## project_id_TARGET_ALL_P1.to.1layhid26	9.495188e+00
## project_id_TARGET_ALL_P2.to.1layhid26	1.041679e+00
## project_id_TARGET_ALL_P3.to.1layhid26	5.801023e-01
## project_id_TARGET_AML.to.1layhid26	-1.183123e+00
## project_id_TARGET_NBL.to.1layhid26	-3.788369e+00
## project_id_TCGA_LAML.to.1layhid26	1.972083e+00
## ethnicity_hispanic.to.1layhid26	5.181607e-01
## ethnicity_not_hispanic.to.1layhid26	-4.028800e-01
## gender_female.to.1layhid26	-4.638715e-01
## gender_male.to.1layhid26	-4.441901e-01
## race_ameri_ind_or_alaska.to.1layhid26	1.982564e+00
## race_asian.to.1layhid26	-1.467281e-01
## race_black_or_afr_ameri.to.1layhid26	-6.180920e-01
## race_hawaiian_or_pacific_islander.to.1layhid26	4.709853e-01
## race_other.to.1layhid26	1.764954e+00
## race_white.to.1layhid26	2.293320e-01
## iss_stage_I.to.1layhid26	1.841682e-01
## iss_stage_II.to.1layhid26	2.015584e+00
## iss_stage_III.to.1layhid26	1.065919e+00
## site_of_resection_or_biopsy_Abdomen_NOS.to.1layhid26	1.286214e+00
## site_of_resection_or_biopsy_Blood.to.1layhid26	-5.472657e-03
## site_of_resection_or_biopsy_Bone_marrow.to.1layhid26	-1.932975e-01
## site_of_resection_or_biopsy_Bones_of_skull_and_face.to.1layhid26	3.965133e-01
## site_of_resection_or_biopsy_Cheek_mucosa.to.1layhid26	-1.609586e+00
## site_of_resection_or_biopsy_Connective_and_other_soft_tissues.to.1layhid26	-2.517236e+00
## site_of_resection_or_biopsy_Connective_and_other_soft_tissues_NOS.to.1layhid26	-7.962875e-01
## site_of_resection_or_biopsy_Head_face_or_neck_NOS.to.1layhid26	4.814010e-01
## site_of_resection_or_biopsy_Hematopoietic_system_NOS.to.1layhid26	-1.284782e+00
## site_of_resection_or_biopsy_Intra_abdominal_lymph_nodes.to.1layhid26	-1.127136e+00
## site_of_resection_or_biopsy_Kidney_NOS.to.1layhid26	3.760993e+01
## site_of_resection_or_biopsy_Lip_NOS.to.1layhid26	3.480719e+01
## site_of_resection_or_biopsy_Liver.to.1layhid26	-5.402248e-01
## site_of_resection_or_biopsy_Lower_gum.to.1layhid26	3.753976e+01
## site_of_resection_or_biopsy_Lymph_nodes_of_head_face_neck.to.1layhid26	-1.458092e-01
## site_of_resection_or_biopsy_Mandible.to.1layhid26	1.053769e+00
## site_of_resection_or_biopsy_Mouth_NOS.to.1layhid26	3.756218e+01
## site_of_resection_or_biopsy_Ovary.to.1layhid26	-8.415936e+01
## site_of_resection_or_biopsy_Pelvis_NOS.to.1layhid26	-1.241276e+00
## site_of_resection_or_biopsy_Peritoneum_NOS.to.1layhid26	-1.550646e+02
## site_of_resection_or_biopsy_Retroperitoneum.to.1layhid26	-4.157686e+01
## site_of_resection_or_biopsy_Small_intestine_NOS.to.1layhid26	3.674477e+01
## site_of_resection_or_biopsy_Specified_parts_of_peritoneum.to.1layhid26	3.669397e+01
## site_of_resection_or_biopsy_Spleen.to.1layhid26	-2.068991e-01

## site_of_resection_or_biopsy_Testis_NOS.to.1layhid26	-1.387327e+02
## site_of_resection_or_biopsy_Vestibule_of_mouth.to.1layhid26	3.758096e+01
## tissue_or_organ_of_origin_Bone_marrow.to.1layhid26	1.852940e-02
## tissue_or_organ_of_origin_Bones_of_skull_and_face.to.1layhid26	3.990019e+01
## tissue_or_organ_of_origin_Hematopoietic_system_NOS.to.1layhid26	2.156503e+00
## tissue_or_organ_of_origin_Orbit_NOS.to.1layhid26	-9.240824e+01
## Intercept.to.1layhid27	-9.890756e-01
## project_id_BEATAML1.0_COHORT.to.1layhid27	2.227361e+00
## project_id_BEATAML1.0_CRENOLANIB.to.1layhid27	1.903287e+02
## project_id_CGCI_BLGSP.to.1layhid27	-2.134908e+00
## project_id_GENIE_DFCI.to.1layhid27	1.836119e+00
## project_id_GENIE_JHU.to.1layhid27	1.235820e+00
## project_id_GENIE_MDA.to.1layhid27	6.900842e-01
## project_id_GENIE_MSK.to.1layhid27	-6.037164e-01
## project_id_GENIE_UHN.to.1layhid27	1.082225e+00
## project_id_GENIE_VICC.to.1layhid27	-1.488025e+00
## project_id_MMRF_COMPASS.to.1layhid27	-4.424561e-01
## project_id_OHSU_CNL.to.1layhid27	8.140627e-01
## project_id_TARGET_ALL_P1.to.1layhid27	-1.308343e-02
## project_id_TARGET_ALL_P2.to.1layhid27	3.888903e-01
## project_id_TARGET_ALL_P3.to.1layhid27	-2.023497e+00
## project_id_TARGET_AML.to.1layhid27	-3.223861e-01
## project_id_TARGET_NBL.to.1layhid27	-9.238425e-01
## project_id_TCGA_LAML.to.1layhid27	1.599159e+00
## ethnicity_hispanic.to.1layhid27	5.056377e-01
## ethnicity_not_hispanic.to.1layhid27	2.010702e-01
## gender_female.to.1layhid27	4.752179e-01
## gender_male.to.1layhid27	-1.800446e-04
## race_ameri_ind_or_alaska.to.1layhid27	-1.454409e+00
## race_asian.to.1layhid27	3.242918e-01
## race_black_or_afr_ameri.to.1layhid27	1.415301e+00
## race_hawaiian_or_pacific_islander.to.1layhid27	-4.062251e-01
## race_other.to.1layhid27	4.477437e+00
## race_white.to.1layhid27	6.402610e-01
## iss_stage_I.to.1layhid27	-9.470923e-01
## iss_stage_II.to.1layhid27	-5.220529e-01
## iss_stage_III.to.1layhid27	1.017494e-01
## site_of_resection_or_biopsy_Abdomen_NOS.to.1layhid27	1.299893e+00
## site_of_resection_or_biopsy_Blood.to.1layhid27	1.449911e+00
## site_of_resection_or_biopsy_Bone_marrow.to.1layhid27	3.399756e-01
## site_of_resection_or_biopsy_Bones_of_skull_and_face.to.1layhid27	-4.078717e-02
## site_of_resection_or_biopsy_Cheek_mucosa.to.1layhid27	2.714660e+00
## site_of_resection_or_biopsy_Connective_and_other_soft_tissues.to.1layhid27	-4.160231e+02
## site_of_resection_or_biopsy_Connective_and_other_soft_tissues_NOS.to.1layhid27	4.180307e-01
## site_of_resection_or_biopsy_Head_face_or_neck_NOS.to.1layhid27	1.469762e+00
## site_of_resection_or_biopsy_Hematopoietic_system_NOS.to.1layhid27	4.685770e-01
## site_of_resection_or_biopsy_Intra_abdominal_lymph_nodes.to.1layhid27	3.656800e+01
## site_of_resection_or_biopsy_Kidney_NOS.to.1layhid27	-1.519779e+02
## site_of_resection_or_biopsy_Lip_NOS.to.1layhid27	3.897341e+01
## site_of_resection_or_biopsy_Liver.to.1layhid27	-1.401265e+00
## site_of_resection_or_biopsy_Lower_gum.to.1layhid27	3.967391e+01
## site_of_resection_or_biopsy_Lymph_nodes_of_head_face_neck.to.1layhid27	2.536006e+00
## site_of_resection_or_biopsy_Mandible.to.1layhid27	-9.748389e-02
## site_of_resection_or_biopsy_Mouth_NOS.to.1layhid27	3.973136e+01

## site_of_resection_or_biopsy_Ovary.to.1layhid27	-4.168899e+02
## site_of_resection_or_biopsy_Pelvis_NOS.to.1layhid27	3.760186e+00
## site_of_resection_or_biopsy_Peritoneum_NOS.to.1layhid27	-4.164646e+02
## site_of_resection_or_biopsy_Retroperitoneum.to.1layhid27	-1.523006e+02
## site_of_resection_or_biopsy_Small_intestine_NOS.to.1layhid27	4.049048e+01
## site_of_resection_or_biopsy_Specified_parts_of_peritoneum.to.1layhid27	-9.888806e+01
## site_of_resection_or_biopsy_Spleen.to.1layhid27	2.052971e+00
## site_of_resection_or_biopsy_Testis_NOS.to.1layhid27	-4.181196e+02
## site_of_resection_or_biopsy_Vestibule_of_mouth.to.1layhid27	3.971454e+01
## tissue_or_organ_of_origin_Bone_marrow.to.1layhid27	-7.820228e-01
## tissue_or_organ_of_origin_Bones_of_skull_and_face.to.1layhid27	3.890331e+01
## tissue_or_organ_of_origin_Hematopoietic_system_NOS.to.1layhid27	-4.739753e-01
## tissue_or_organ_of_origin_Orbit_NOS.to.1layhid27	-4.166466e+02
## Intercept.to.1layhid28	-1.044328e+00
## project_id_BEATAML1.0_COHORT.to.1layhid28	-7.255964e-01
## project_id_BEATAML1.0_CRENOLANIB.to.1layhid28	-4.161471e+02
## project_id_CGCI_BLGSP.to.1layhid28	1.691174e-01
## project_id_GENIE_DFCI.to.1layhid28	4.609307e-01
## project_id_GENIE_JHU.to.1layhid28	1.070207e+00
## project_id_GENIE_MDA.to.1layhid28	-7.184660e-01
## project_id_GENIE_MSK.to.1layhid28	-7.899427e-01
## project_id_GENIE_UHN.to.1layhid28	-1.287701e+00
## project_id_GENIE_VICC.to.1layhid28	-6.008294e-01
## project_id_MMRF_COMMPASS.to.1layhid28	-5.290407e-01
## project_id_OHSU_CNL.to.1layhid28	5.498752e-01
## project_id_TARGET_ALL_P1.to.1layhid28	-6.146310e+00
## project_id_TARGET_ALL_P2.to.1layhid28	3.576400e+00
## project_id_TARGET_ALL_P3.to.1layhid28	8.076926e-01
## project_id_TARGET_AML.to.1layhid28	-1.891919e+00
## project_id_TARGET_NBL.to.1layhid28	3.117916e-02
## project_id_TCGA_LAML.to.1layhid28	2.117981e+00
## ethnicity_hispanic.to.1layhid28	-6.481557e-01
## ethnicity_not_hispanic.to.1layhid28	-4.123335e-01
## gender_female.to.1layhid28	1.018300e+00
## gender_male.to.1layhid28	-1.183407e-02
## race_ameri_ind_or_alaska.to.1layhid28	2.763296e+00
## race_asian.to.1layhid28	4.341933e-01
## race_black_or_afr_ameri.to.1layhid28	-1.474452e+00
## race_hawaiian_or_pacific_islander.to.1layhid28	9.325693e-01
## race_other.to.1layhid28	-2.166802e+02
## race_white.to.1layhid28	5.679487e-01
## iss_stage_I.to.1layhid28	-8.992525e-01
## iss_stage_II.to.1layhid28	-1.346927e+00
## iss_stage_III.to.1layhid28	-3.198777e-01
## site_of_resection_or_biopsy_Abdomen_NOS.to.1layhid28	1.329084e+00
## site_of_resection_or_biopsy_Blood.to.1layhid28	-1.350331e+00
## site_of_resection_or_biopsy_Bone_marrow.to.1layhid28	1.475506e+00
## site_of_resection_or_biopsy_Bones_of_skull_and_face.to.1layhid28	-1.613603e+00
## site_of_resection_or_biopsy_Cheek_mucosa.to.1layhid28	-4.104831e+02
## site_of_resection_or_biopsy_Connective_and_other_soft_tissues.to.1layhid28	3.685043e+01
## site_of_resection_or_biopsy_Connective_and_other_soft_tissues_NOS.to.1layhid28	-4.617646e-02
## site_of_resection_or_biopsy_Head_face_or_neck_NOS.to.1layhid28	9.476042e-01
## site_of_resection_or_biopsy_Hematopoietic_system_NOS.to.1layhid28	5.257143e-01
## site_of_resection_or_biopsy_Intra_abdominal_lymph_nodes.to.1layhid28	5.402813e-01

## site_of_resection_or_biopsy_Kidney_NOS.to.1layhid28	1.437105e+00
## site_of_resection_or_biopsy_Lip_NOS.to.1layhid28	-4.173398e+02
## site_of_resection_or_biopsy_Liver.to.1layhid28	1.892140e+00
## site_of_resection_or_biopsy_Lower_gum.to.1layhid28	-4.137855e+02
## site_of_resection_or_biopsy_Lymph_nodes_of_head_face_neck.to.1layhid28	-6.063421e-01
## site_of_resection_or_biopsy_Mandible.to.1layhid28	1.801911e+00
## site_of_resection_or_biopsy_Mouth_NOS.to.1layhid28	-4.183016e+02
## site_of_resection_or_biopsy_Ovary.to.1layhid28	3.897526e+01
## site_of_resection_or_biopsy_Pelvis_NOS.to.1layhid28	5.940670e-01
## site_of_resection_or_biopsy_Peritoneum_NOS.to.1layhid28	4.315963e+01
## site_of_resection_or_biopsy_Retroperitoneum.to.1layhid28	3.786958e+01
## site_of_resection_or_biopsy_Small_intestine_NOS.to.1layhid28	-4.155278e+02
## site_of_resection_or_biopsy_Specified_parts_of_peritoneum.to.1layhid28	-4.140597e+02
## site_of_resection_or_biopsy_Spleen.to.1layhid28	3.058741e-01
## site_of_resection_or_biopsy_Testis_NOS.to.1layhid28	3.744572e+01
## site_of_resection_or_biopsy_Vestibule_of_mouth.to.1layhid28	-4.171043e+02
## tissue_or_organ_of_origin_Bone_marrow.to.1layhid28	-6.459486e-01
## tissue_or_organ_of_origin_Bones_of_skull_and_face.to.1layhid28	-4.161965e+02
## tissue_or_organ_of_origin_Hematopoietic_system_NOS.to.1layhid28	9.455810e-01
## tissue_or_organ_of_origin_Orbit_NOS.to.1layhid28	3.938631e+01
## Intercept.to.1layhid29	1.458655e+00
## project_id_BEATAML1.0_COHORT.to.1layhid29	1.256088e+01
## project_id_BEATAML1.0_CRENOLANIB.to.1layhid29	-4.165657e+02
## project_id_CGCI_BLGSP.to.1layhid29	-2.240132e+00
## project_id_GENIE_DFCI.to.1layhid29	-1.724154e+00
## project_id_GENIE_JHU.to.1layhid29	5.711389e-01
## project_id_GENIE_MDA.to.1layhid29	-4.816478e-01
## project_id_GENIE_MSK.to.1layhid29	6.524163e-01
## project_id_GENIE_UHN.to.1layhid29	2.293397e-01
## project_id_GENIE_VICC.to.1layhid29	-3.890259e-01
## project_id_MMRF_COMMPASS.to.1layhid29	3.973418e-01
## project_id_OHSU_CNL.to.1layhid29	3.884555e-01
## project_id_TARGET_ALL_P1.to.1layhid29	-3.769267e+02
## project_id_TARGET_ALL_P2.to.1layhid29	-2.330103e+00
## project_id_TARGET_ALL_P3.to.1layhid29	-2.670822e+00
## project_id_TARGET_AML.to.1layhid29	-1.065867e+00
## project_id_TARGET_NBL.to.1layhid29	-3.277607e+01
## project_id_TCGA_LAML.to.1layhid29	-7.670828e+01
## ethnicity_hispanic.to.1layhid29	-2.390436e+00
## ethnicity_not_hispanic.to.1layhid29	-1.040957e+00
## gender_female.to.1layhid29	-3.316248e-01
## gender_male.to.1layhid29	-9.906402e-01
## race_ameri_ind_or_alaska.to.1layhid29	-3.792076e+02
## race_asian.to.1layhid29	1.299841e+00
## race_black_or_afr_ameri.to.1layhid29	-3.380644e-01
## race_hawaiian_or_pacific_islander.to.1layhid29	-3.947208e+02
## race_other.to.1layhid29	-5.770333e+00
## race_white.to.1layhid29	-2.186546e-01
## iss_stage_I.to.1layhid29	2.181781e-02
## iss_stage_II.to.1layhid29	-3.474480e-01
## iss_stage_III.to.1layhid29	-7.192943e+00
## site_of_resection_or_biopsy_Abdomen_NOS.to.1layhid29	2.069832e+00
## site_of_resection_or_biopsy_Blood.to.1layhid29	-3.679301e+02
## site_of_resection_or_biopsy_Bone_marrow.to.1layhid29	2.834477e-01

## site_of_resection_or_biopsy_Bones_of_skull_and_face.to.1layhid29	-5.177699e+00
## site_of_resection_or_biopsy_Cheek_mucosa.to.1layhid29	4.040340e+00
## site_of_resection_or_biopsy_Connective_and_other_soft_tissues.to.1layhid29	3.209431e+00
## site_of_resection_or_biopsy_Connective_and_other_soft_tissues_NOS.to.1layhid29	-1.420814e+00
## site_of_resection_or_biopsy_Head_face_or_neck_NOS.to.1layhid29	1.578731e+00
## site_of_resection_or_biopsy_Hematopoietic_system_NOS.to.1layhid29	-4.762018e-01
## site_of_resection_or_biopsy_Intra_abdominal_lymph_nodes.to.1layhid29	-4.125252e+02
## site_of_resection_or_biopsy_Kidney_NOS.to.1layhid29	-4.149719e+02
## site_of_resection_or_biopsy_Lip_NOS.to.1layhid29	-4.176284e+02
## site_of_resection_or_biopsy_Liver.to.1layhid29	4.118345e+00
## site_of_resection_or_biopsy_Lower_gum.to.1layhid29	-4.160012e+02
## site_of_resection_or_biopsy_Lymph_nodes_of_head_face_neck.to.1layhid29	1.268114e+00
## site_of_resection_or_biopsy_Mandible.to.1layhid29	-4.150115e+02
## site_of_resection_or_biopsy_Mouth_NOS.to.1layhid29	-4.158145e+02
## site_of_resection_or_biopsy_Ovary.to.1layhid29	-2.600826e+02
## site_of_resection_or_biopsy_Pelvis_NOS.to.1layhid29	-2.482401e+02
## site_of_resection_or_biopsy_Peritoneum_NOS.to.1layhid29	-1.057062e+01
## site_of_resection_or_biopsy_Retroperitoneum.to.1layhid29	3.850109e+00
## site_of_resection_or_biopsy_Small_intestine_NOS.to.1layhid29	-4.154703e+02
## site_of_resection_or_biopsy_Specified_parts_of_peritoneum.to.1layhid29	-3.408664e+02
## site_of_resection_or_biopsy_Spleen.to.1layhid29	4.079436e+00
## site_of_resection_or_biopsy_Testis_NOS.to.1layhid29	-2.540241e+02
## site_of_resection_or_biopsy_Vestibule_of_mouth.to.1layhid29	-4.177761e+02
## tissue_or_organ_of_origin_Bone_marrow.to.1layhid29	-9.473822e-01
## tissue_or_organ_of_origin_Bones_of_skull_and_face.to.1layhid29	-4.150662e+02
## tissue_or_organ_of_origin_Hematopoietic_system_NOS.to.1layhid29	-2.318746e+00
## tissue_or_organ_of_origin_Orbit_NOS.to.1layhid29	-6.638268e+01
## Intercept.to.1layhid30	1.137123e+00
## project_id_BEATAML1.0_COHORT.to.1layhid30	1.894039e+00
## project_id_BEATAML1.0_CRENOLANIB.to.1layhid30	5.813649e+01
## project_id_CGCI_BLGSP.to.1layhid30	-5.821958e-01
## project_id_GENIE_DFCI.to.1layhid30	-3.489546e-02
## project_id_GENIE_JHU.to.1layhid30	-2.209591e+00
## project_id_GENIE_MDA.to.1layhid30	1.218497e+00
## project_id_GENIE_MSK.to.1layhid30	7.759221e-01
## project_id_GENIE_UHN.to.1layhid30	-4.461346e-01
## project_id_GENIE_VICC.to.1layhid30	-5.375229e-02
## project_id_MMRF_COMMPASS.to.1layhid30	2.689807e+00
## project_id_OHSU_CNL.to.1layhid30	-4.406019e+00
## project_id_TARGET_ALL_P1.to.1layhid30	-6.720204e-02
## project_id_TARGET_ALL_P2.to.1layhid30	4.278471e+00
## project_id_TARGET_ALL_P3.to.1layhid30	4.132353e+01
## project_id_TARGET_AML.to.1layhid30	-3.230033e+00
## project_id_TARGET_NBL.to.1layhid30	-1.831635e+00
## project_id_TCGA_LAML.to.1layhid30	2.259946e+01
## ethnicity_hispanic.to.1layhid30	-4.865142e+00
## ethnicity_not_hispanic.to.1layhid30	1.498433e+00
## gender_female.to.1layhid30	-4.801413e-01
## gender_male.to.1layhid30	2.519343e+00
## race_ameri_ind_or_alaska.to.1layhid30	4.069634e+01
## race_asian.to.1layhid30	5.989411e+00
## race_black_or_afr_ameri.to.1layhid30	6.674768e-02
## race_hawaiian_or_pacific_islander.to.1layhid30	-1.484040e+00
## race_other.to.1layhid30	3.807350e+01

## race_white.to.1layhid30	-3.938096e+00
## iss_stage_I.to.1layhid30	1.740761e-01
## iss_stage_II.to.1layhid30	-2.857795e-01
## iss_stage_III.to.1layhid30	4.832866e+01
## site_of_resection_or_biopsy_Abdomen_NOS.to.1layhid30	3.783945e+01
## site_of_resection_or_biopsy_Blood.to.1layhid30	-6.883656e-01
## site_of_resection_or_biopsy_Bone_marrow.to.1layhid30	3.129646e+00
## site_of_resection_or_biopsy_Bones_of_skull_and_face.to.1layhid30	4.079212e+01
## site_of_resection_or_biopsy_Cheek_mucosa.to.1layhid30	4.081595e+01
## site_of_resection_or_biopsy_Connective_and_other_soft_tissues.to.1layhid30	3.315509e-01
## site_of_resection_or_biopsy_Connective_and_other_soft_tissues_NOS.to.1layhid30	1.988192e-01
## site_of_resection_or_biopsy_Head_face_or_neck_NOS.to.1layhid30	-1.439175e+00
## site_of_resection_or_biopsy_Hematopoietic_system_NOS.to.1layhid30	1.451032e+00
## site_of_resection_or_biopsy_Intra_abdominal_lymph_nodes.to.1layhid30	3.444796e+01
## site_of_resection_or_biopsy_Kidney_NOS.to.1layhid30	3.143568e+01
## site_of_resection_or_biopsy_Lip_NOS.to.1layhid30	3.785402e+01
## site_of_resection_or_biopsy_Liver.to.1layhid30	-3.454351e+00
## site_of_resection_or_biopsy_Lower_gum.to.1layhid30	3.146612e+01
## site_of_resection_or_biopsy_Lymph_nodes_of_head_face_neck.to.1layhid30	-6.069250e+00
## site_of_resection_or_biopsy_Mandible.to.1layhid30	4.874506e+00
## site_of_resection_or_biopsy_Mouth_NOS.to.1layhid30	4.076349e+01
## site_of_resection_or_biopsy_Ovary.to.1layhid30	-4.646083e+00
## site_of_resection_or_biopsy_Pelvis_NOS.to.1layhid30	3.439067e+01
## site_of_resection_or_biopsy_Peritoneum_NOS.to.1layhid30	3.798428e+01
## site_of_resection_or_biopsy_Retroperitoneum.to.1layhid30	-2.738564e+01
## site_of_resection_or_biopsy_Small_intestine_NOS.to.1layhid30	3.495334e+01
## site_of_resection_or_biopsy_Specified_parts_of_peritoneum.to.1layhid30	3.545551e+01
## site_of_resection_or_biopsy_Spleen.to.1layhid30	-3.804206e-01
## site_of_resection_or_biopsy_Testis_NOS.to.1layhid30	-4.858268e+01
## site_of_resection_or_biopsy_Vestibule_of_mouth.to.1layhid30	3.625448e+01
## tissue_or_organ_of_origin_Bone_marrow.to.1layhid30	7.156640e-01
## tissue_or_organ_of_origin_Bones_of_skull_and_face.to.1layhid30	2.887899e+01
## tissue_or_organ_of_origin_Hematopoietic_system_NOS.to.1layhid30	9.919334e-01
## tissue_or_organ_of_origin_Orbit_NOS.to.1layhid30	-7.569877e+00
## Intercept.to.1layhid31	-2.419515e+00
## project_id_BEATAML1.0_COHORT.to.1layhid31	-7.673661e+01
## project_id_BEATAML1.0_CRENOLANIB.to.1layhid31	-3.118624e+01
## project_id_CGCI_BLGSP.to.1layhid31	1.669859e+00
## project_id_GENIE_DFCI.to.1layhid31	-6.392176e-01
## project_id_GENIE_JHU.to.1layhid31	1.424229e+00
## project_id_GENIE_MDA.to.1layhid31	-8.362084e-01
## project_id_GENIE_MSK.to.1layhid31	-1.207923e+00
## project_id_GENIE_UHN.to.1layhid31	1.022873e+00
## project_id_GENIE_VICC.to.1layhid31	-2.494182e+00
## project_id_MMRF_COMPASS.to.1layhid31	2.874555e-01
## project_id_OHSU_CNL.to.1layhid31	-3.392451e+01
## project_id_TARGET_ALL_P1.to.1layhid31	8.554556e+00
## project_id_TARGET_ALL_P2.to.1layhid31	-2.145161e+00
## project_id_TARGET_ALL_P3.to.1layhid31	-9.957236e-01
## project_id_TARGET_AML.to.1layhid31	3.168979e+00
## project_id_TARGET_NBL.to.1layhid31	-3.540257e+02
## project_id_TCGA_LAML.to.1layhid31	-1.430047e+00
## ethnicity_hispanic.to.1layhid31	-1.006476e+01
## ethnicity_not_hispanic.to.1layhid31	1.984032e+00

## gender_female.to.1layhid31	3.597570e+00
## gender_male.to.1layhid31	-2.627937e+00
## race_ameri_ind_or_alaska.to.1layhid31	-1.542973e+01
## race_asian.to.1layhid31	1.704674e+00
## race_black_or_afr_ameri.to.1layhid31	1.350699e+00
## race_hawaiian_or_pacific_islander.to.1layhid31	-2.037309e+01
## race_other.to.1layhid31	-1.374059e+01
## race_white.to.1layhid31	-2.344289e+00
## iss_stage_I.to.1layhid31	1.130715e+01
## iss_stage_II.to.1layhid31	-1.046980e+00
## iss_stage_III.to.1layhid31	6.446001e-01
## site_of_resection_or_biopsy_Abdomen_NOS.to.1layhid31	-1.166333e+01
## site_of_resection_or_biopsy_Blood.to.1layhid31	-3.580462e+00
## site_of_resection_or_biopsy_Bone_marrow.to.1layhid31	-2.161289e+00
## site_of_resection_or_biopsy_Bones_of_skull_and_face.to.1layhid31	3.777757e+01
## site_of_resection_or_biopsy_Cheek_mucosa.to.1layhid31	2.829400e+00
## site_of_resection_or_biopsy_Connective_and_other_soft_tissues.to.1layhid31	3.495244e+01
## site_of_resection_or_biopsy_Connective_and_other_soft_tissues_NOS.to.1layhid31	1.040090e+00
## site_of_resection_or_biopsy_Head_face_or_neck_NOS.to.1layhid31	-9.232069e-01
## site_of_resection_or_biopsy_Hematopoietic_system_NOS.to.1layhid31	-5.371333e-01
## site_of_resection_or_biopsy_Intra_abdominal_lymph_nodes.to.1layhid31	3.668699e+01
## site_of_resection_or_biopsy_Kidney_NOS.to.1layhid31	3.287902e+01
## site_of_resection_or_biopsy_Lip_NOS.to.1layhid31	4.856550e+01
## site_of_resection_or_biopsy_Liver.to.1layhid31	-4.034674e-01
## site_of_resection_or_biopsy_Lower_gum.to.1layhid31	7.500952e+01
## site_of_resection_or_biopsy_Lymph_nodes_of_head_face_neck.to.1layhid31	-1.844290e+00
## site_of_resection_or_biopsy_Mandible.to.1layhid31	4.830300e-01
## site_of_resection_or_biopsy_Mouth_NOS.to.1layhid31	-2.045024e+01
## site_of_resection_or_biopsy_Ovary.to.1layhid31	3.492797e+01
## site_of_resection_or_biopsy_Pelvis_NOS.to.1layhid31	3.861353e+01
## site_of_resection_or_biopsy_Peritoneum_NOS.to.1layhid31	1.027422e+02
## site_of_resection_or_biopsy_Retroperitoneum.to.1layhid31	5.714358e+01
## site_of_resection_or_biopsy_Small_intestine_NOS.to.1layhid31	2.853460e+01
## site_of_resection_or_biopsy_Specified_parts_of_peritoneum.to.1layhid31	-9.333232e+00
## site_of_resection_or_biopsy_Spleen.to.1layhid31	3.696014e+01
## site_of_resection_or_biopsy_Testis_NOS.to.1layhid31	3.874899e+01
## site_of_resection_or_biopsy_Vestibule_of_mouth.to.1layhid31	7.450413e+01
## tissue_or_organ_of_origin_Bone_marrow.to.1layhid31	1.222964e+00
## tissue_or_organ_of_origin_Bones_of_skull_and_face.to.1layhid31	-7.316658e+00
## tissue_or_organ_of_origin_Hematopoietic_system_NOS.to.1layhid31	1.380809e+00
## tissue_or_organ_of_origin_Orbit_NOS.to.1layhid31	4.031624e+01
## Intercept.to.1layhid32	-1.184754e+00
## project_id_BEATAML1.0_COHORT.to.1layhid32	1.174305e+00
## project_id_BEATAML1.0_CRENOLANIB.to.1layhid32	1.166634e+02
## project_id_CGCI_BLGSP.to.1layhid32	-2.113760e-01
## project_id_GENIE_DFCI.to.1layhid32	-8.914499e-01
## project_id_GENIE_JHU.to.1layhid32	-5.000236e-01
## project_id_GENIE_MDA.to.1layhid32	2.979056e-01
## project_id_GENIE_MSK.to.1layhid32	9.893846e-01
## project_id_GENIE_UHN.to.1layhid32	-3.761781e-01
## project_id_GENIE_VICC.to.1layhid32	1.444167e+00
## project_id_MMRF_COMPASS.to.1layhid32	-5.540412e-01
## project_id_OHSU_CNL.to.1layhid32	4.856880e+00
## project_id_TARGET_ALL_P1.to.1layhid32	-6.368967e+00

## project_id_TARGET_ALL_P2.to.1layhid32	-9.399910e-01
## project_id_TARGET_ALL_P3.to.1layhid32	-2.520594e+00
## project_id_TARGET_AML.to.1layhid32	1.910469e+00
## project_id_TARGET_NBL.to.1layhid32	3.072072e+00
## project_id_TCGA_LAML.to.1layhid32	-1.361016e+00
## ethnicity_hispanic.to.1layhid32	5.105083e-01
## ethnicity_not_hispanic.to.1layhid32	-1.747898e-01
## gender_female.to.1layhid32	-1.601095e-01
## gender_male.to.1layhid32	1.201724e+00
## race_ameri_ind_or_alaska.to.1layhid32	5.473589e+00
## race_asian.to.1layhid32	3.216057e+00
## race_black_or_afr_ameri.to.1layhid32	3.121557e+00
## race_hawaiian_or_pacific_islander.to.1layhid32	4.154753e+00
## race_other.to.1layhid32	5.955966e+00
## race_white.to.1layhid32	8.497182e-01
## iss_stage_I.to.1layhid32	-3.824051e-01
## iss_stage_II.to.1layhid32	-1.229195e+00
## iss_stage_III.to.1layhid32	9.233759e-02
## site_of_resection_or_biopsy_Abdomen_NOS.to.1layhid32	-9.562919e-01
## site_of_resection_or_biopsy_Blood.to.1layhid32	9.292030e-01
## site_of_resection_or_biopsy_Bone_marrow.to.1layhid32	-7.972716e-01
## site_of_resection_or_biopsy_Bones_of_skull_and_face.to.1layhid32	4.352267e+00
## site_of_resection_or_biopsy_Cheek_mucosa.to.1layhid32	3.623264e+01
## site_of_resection_or_biopsy_Connective_and_other_soft_tissues.to.1layhid32	-4.119051e+02
## site_of_resection_or_biopsy_Connective_and_other_soft_tissues_NOS.to.1layhid32	-1.828097e+00
## site_of_resection_or_biopsy_Head_face_or_neck_NOS.to.1layhid32	-1.178456e+00
## site_of_resection_or_biopsy_Hematopoietic_system_NOS.to.1layhid32	1.377151e-01
## site_of_resection_or_biopsy_Intra_abdominal_lymph_nodes.to.1layhid32	1.438963e+00
## site_of_resection_or_biopsy_Kidney_NOS.to.1layhid32	3.624413e-01
## site_of_resection_or_biopsy_Lip_NOS.to.1layhid32	3.489678e+01
## site_of_resection_or_biopsy_Liver.to.1layhid32	-4.444527e-01
## site_of_resection_or_biopsy_Lower_gum.to.1layhid32	3.843216e+01
## site_of_resection_or_biopsy_Lymph_nodes_of_head_face_neck.to.1layhid32	-2.183335e-01
## site_of_resection_or_biopsy_Mandible.to.1layhid32	-1.704441e+00
## site_of_resection_or_biopsy_Mouth_NOS.to.1layhid32	3.800508e+01
## site_of_resection_or_biopsy_Ovary.to.1layhid32	-4.091528e+02
## site_of_resection_or_biopsy_Pelvis_NOS.to.1layhid32	3.578784e+01
## site_of_resection_or_biopsy_Peritoneum_NOS.to.1layhid32	-3.285246e+02
## site_of_resection_or_biopsy_Retroperitoneum.to.1layhid32	-8.065993e+01
## site_of_resection_or_biopsy_Small_intestine_NOS.to.1layhid32	3.703373e+01
## site_of_resection_or_biopsy_Specified_parts_of_peritoneum.to.1layhid32	3.781714e+01
## site_of_resection_or_biopsy_Spleen.to.1layhid32	6.767469e+00
## site_of_resection_or_biopsy_Testis_NOS.to.1layhid32	-4.168466e+02
## site_of_resection_or_biopsy_Vestibule_of_mouth.to.1layhid32	3.939498e+01
## tissue_or_organ_of_origin_Bone_marrow.to.1layhid32	-1.879173e+00
## tissue_or_organ_of_origin_Bones_of_skull_and_face.to.1layhid32	3.559535e+01
## tissue_or_organ_of_origin_Hematopoietic_system_NOS.to.1layhid32	-3.109911e-01
## tissue_or_organ_of_origin_Orbit_NOS.to.1layhid32	-4.160118e+02
## Intercept.to.1layhid33	-3.708507e-01
## project_id_BEATAML1.0_COHORT.to.1layhid33	6.576974e-01
## project_id_BEATAML1.0_CRENOLANIB.to.1layhid33	-4.129961e+02
## project_id_CGCI_BLGSP.to.1layhid33	8.081638e-01
## project_id_GENIE_DFCI.to.1layhid33	-6.909705e-01
## project_id_GENIE_JHU.to.1layhid33	-7.867696e-01

## project_id_GENIE_MDA.to.1layhid33	1.912918e-01
## project_id_GENIE_MSK.to.1layhid33	1.446201e+00
## project_id_GENIE_UHN.to.1layhid33	-6.991452e-02
## project_id_GENIE_VICC.to.1layhid33	-8.221995e-01
## project_id_MMRF_COMPASS.to.1layhid33	6.531772e-01
## project_id_OHSU_CNL.to.1layhid33	2.857890e-02
## project_id_TARGET_ALL_P1.to.1layhid33	-3.261421e-01
## project_id_TARGET_ALL_P2.to.1layhid33	-4.585107e-01
## project_id_TARGET_ALL_P3.to.1layhid33	-4.201354e+00
## project_id_TARGET_AML.to.1layhid33	-1.383554e+00
## project_id_TARGET_NBL.to.1layhid33	-2.434560e+01
## project_id_TCGA_LAML.to.1layhid33	-1.081203e+00
## ethnicity_hispanic.to.1layhid33	2.448976e+00
## ethnicity_not_hispanic.to.1layhid33	1.783684e+00
## gender_female.to.1layhid33	1.833620e-01
## gender_male.to.1layhid33	2.697395e-01
## race_ameri_ind_or_alaska.to.1layhid33	2.739726e-01
## race_asian.to.1layhid33	1.090147e-01
## race_black_or_afr_ameri.to.1layhid33	-1.550757e+00
## race_hawaiian_or_pacific_islander.to.1layhid33	7.058392e+00
## race_other.to.1layhid33	4.016773e+01
## race_white.to.1layhid33	-2.223216e+00
## iss_stage_I.to.1layhid33	1.595512e+00
## iss_stage_II.to.1layhid33	-1.537151e+00
## iss_stage_III.to.1layhid33	-7.603134e-01
## site_of_resection_or_biopsy_Abdomen_NOS.to.1layhid33	-6.706415e-02
## site_of_resection_or_biopsy_Blood.to.1layhid33	-1.460041e+00
## site_of_resection_or_biopsy_Bone_marrow.to.1layhid33	1.405594e-02
## site_of_resection_or_biopsy_Bones_of_skull_and_face.to.1layhid33	8.630358e-01
## site_of_resection_or_biopsy_Cheek_mucosa.to.1layhid33	-2.271319e+02
## site_of_resection_or_biopsy_Connective_and_other_soft_tissues.to.1layhid33	3.661200e+01
## site_of_resection_or_biopsy_Connective_and_other_soft_tissues_NOS.to.1layhid33	-6.238471e-01
## site_of_resection_or_biopsy_Head_face_or_neck_NOS.to.1layhid33	1.089354e+00
## site_of_resection_or_biopsy_Hematopoietic_system_NOS.to.1layhid33	-9.773353e-02
## site_of_resection_or_biopsy_Intra_abdominal_lymph_nodes.to.1layhid33	-3.552446e+02
## site_of_resection_or_biopsy_Kidney_NOS.to.1layhid33	-1.130639e+00
## site_of_resection_or_biopsy_Lip_NOS.to.1layhid33	-4.140684e+02
## site_of_resection_or_biopsy_Liver.to.1layhid33	-1.579756e+00
## site_of_resection_or_biopsy_Lower_gum.to.1layhid33	-4.142176e+02
## site_of_resection_or_biopsy_Lymph_nodes_of_head_face_neck.to.1layhid33	3.165212e+00
## site_of_resection_or_biopsy_Mandible.to.1layhid33	6.998815e-01
## site_of_resection_or_biopsy_Mouth_NOS.to.1layhid33	-3.880738e+02
## site_of_resection_or_biopsy_Ovary.to.1layhid33	3.658378e+01
## site_of_resection_or_biopsy_Pelvis_NOS.to.1layhid33	-2.924212e+00
## site_of_resection_or_biopsy_Peritoneum_NOS.to.1layhid33	3.589034e+01
## site_of_resection_or_biopsy_Retroperitoneum.to.1layhid33	3.644965e+01
## site_of_resection_or_biopsy_Small_intestine_NOS.to.1layhid33	-4.153348e+02
## site_of_resection_or_biopsy_Specified_parts_of_peritoneum.to.1layhid33	-3.214195e+02
## site_of_resection_or_biopsy_Spleen.to.1layhid33	-2.486667e+00
## site_of_resection_or_biopsy_Testis_NOS.to.1layhid33	3.612419e+01
## site_of_resection_or_biopsy_Vestibule_of_mouth.to.1layhid33	-4.164677e+02
## tissue_or_organ_of_origin_Bone_marrow.to.1layhid33	-6.458512e-01
## tissue_or_organ_of_origin_Bones_of_skull_and_face.to.1layhid33	-4.142031e+02
## tissue_or_organ_of_origin_Hematopoietic_system_NOS.to.1layhid33	1.556777e+00

## tissue_or_organ_of_origin_Orbit_NOS.to.1layhid33	3.737211e+01
## Intercept.to.1layhid34	-6.309928e-01
## project_id_BEATAML1.0_COHORT.to.1layhid34	4.746272e+00
## project_id_BEATAML1.0_CRENOLANIB.to.1layhid34	9.398314e+01
## project_id_CGCI_BLGSP.to.1layhid34	8.977603e-01
## project_id_GENIE_DFCI.to.1layhid34	1.895916e+00
## project_id_GENIE_JHU.to.1layhid34	7.836733e-01
## project_id_GENIE_MDA.to.1layhid34	-9.922814e-01
## project_id_GENIE_MSK.to.1layhid34	3.513130e-01
## project_id_GENIE_UHN.to.1layhid34	-1.153729e+00
## project_id_GENIE_VICC.to.1layhid34	1.768160e+00
## project_id_MMRF_COMPASS.to.1layhid34	1.637666e+00
## project_id_OHSU_CNL.to.1layhid34	-1.103087e+00
## project_id_TARGET_ALL_P1.to.1layhid34	-8.586612e-01
## project_id_TARGET_ALL_P2.to.1layhid34	-4.464307e+00
## project_id_TARGET_ALL_P3.to.1layhid34	2.593127e+00
## project_id_TARGET_AML.to.1layhid34	2.872093e-01
## project_id_TARGET_NBL.to.1layhid34	6.957929e+00
## project_id_TCGA_LAML.to.1layhid34	2.957969e-01
## ethnicity_hispanic.to.1layhid34	-1.559735e+00
## ethnicity_not_hispanic.to.1layhid34	7.263424e-01
## gender_female.to.1layhid34	1.784640e+00
## gender_male.to.1layhid34	-4.898857e-01
## race_ameri_ind_or_alaska.to.1layhid34	4.214948e+01
## race_asian.to.1layhid34	1.394986e-01
## race_black_or_afr_ameri.to.1layhid34	2.160372e-01
## race_hawaiian_or_pacific_islander.to.1layhid34	-1.656341e+00
## race_other.to.1layhid34	-4.288741e+00
## race_white.to.1layhid34	-1.901690e+00
## iss_stage_I.to.1layhid34	-1.114225e+00
## iss_stage_II.to.1layhid34	9.676839e-01
## iss_stage_III.to.1layhid34	2.100634e+00
## site_of_resection_or_biopsy_Abdomen_NOS.to.1layhid34	2.139526e-01
## site_of_resection_or_biopsy_Blood.to.1layhid34	-1.285765e-01
## site_of_resection_or_biopsy_Bone_marrow.to.1layhid34	3.703648e-01
## site_of_resection_or_biopsy_Bones_of_skull_and_face.to.1layhid34	-9.193998e-01
## site_of_resection_or_biopsy_Cheek_mucosa.to.1layhid34	1.760991e+00
## site_of_resection_or_biopsy_Connective_and_other_soft_tissues.to.1layhid34	-1.560283e+00
## site_of_resection_or_biopsy_Connective_and_other_soft_tissues_NOS.to.1layhid34	-1.121087e-01
## site_of_resection_or_biopsy_Head_face_or_neck_NOS.to.1layhid34	1.463401e-01
## site_of_resection_or_biopsy_Hematopoietic_system_NOS.to.1layhid34	6.449998e-01
## site_of_resection_or_biopsy_Intra_abdominal_lymph_nodes.to.1layhid34	3.650996e+01
## site_of_resection_or_biopsy_Kidney_NOS.to.1layhid34	3.872406e+01
## site_of_resection_or_biopsy_Lip_NOS.to.1layhid34	3.937887e+01
## site_of_resection_or_biopsy_Liver.to.1layhid34	-5.424797e-02
## site_of_resection_or_biopsy_Lower_gum.to.1layhid34	3.875632e+01
## site_of_resection_or_biopsy_Lymph_nodes_of_head_face_neck.to.1layhid34	1.813258e+00
## site_of_resection_or_biopsy_Mandible.to.1layhid34	-1.496712e+00
## site_of_resection_or_biopsy_Mouth_NOS.to.1layhid34	3.877256e+01
## site_of_resection_or_biopsy_Ovary.to.1layhid34	-2.413036e+00
## site_of_resection_or_biopsy_Pelvis_NOS.to.1layhid34	-3.146041e-01
## site_of_resection_or_biopsy_Peritoneum_NOS.to.1layhid34	1.956461e+01
## site_of_resection_or_biopsy_Retroperitoneum.to.1layhid34	-5.621002e+01
## site_of_resection_or_biopsy_Small_intestine_NOS.to.1layhid34	4.074595e+01

## site_of_resection_or_biopsy_Specified_parts_of_peritoneum.to.1layhid34	4.074033e+01
## site_of_resection_or_biopsy_Spleen.to.1layhid34	6.021505e-01
## site_of_resection_or_biopsy_Testis_NOS.to.1layhid34	4.067234e+01
## site_of_resection_or_biopsy_Vestibule_of_mouth.to.1layhid34	3.877140e+01
## tissue_or_organ_of_origin_Bone_marrow.to.1layhid34	2.892366e-01
## tissue_or_organ_of_origin_Bones_of_skull_and_face.to.1layhid34	3.717896e+01
## tissue_or_organ_of_origin_Hematopoietic_system_NOS.to.1layhid34	-1.387691e+00
## tissue_or_organ_of_origin_Orbit_NOS.to.1layhid34	1.244975e+00
## Intercept.to.1layhid35	-1.924583e+00
## project_id_BEATAML1.0_COHORT.to.1layhid35	-8.554984e-01
## project_id_BEATAML1.0_CRENOLANIB.to.1layhid35	-3.485363e+02
## project_id_CGCI_BLGSP.to.1layhid35	-6.604087e-03
## project_id_GENIE_DFCI.to.1layhid35	2.236477e-01
## project_id_GENIE_JHU.to.1layhid35	1.016096e+00
## project_id_GENIE_MDA.to.1layhid35	-1.541576e+00
## project_id_GENIE_MSK.to.1layhid35	1.747050e+00
## project_id_GENIE_UHN.to.1layhid35	-1.489760e+00
## project_id_GENIE_VICC.to.1layhid35	-5.624106e-01
## project_id_MMRF_COMMPASS.to.1layhid35	1.424499e+00
## project_id_OHSU_CNL.to.1layhid35	-4.151030e+02
## project_id_TARGET_ALL_P1.to.1layhid35	7.128973e-01
## project_id_TARGET_ALL_P2.to.1layhid35	2.053430e+00
## project_id_TARGET_ALL_P3.to.1layhid35	-5.217338e-01
## project_id_TARGET_AML.to.1layhid35	-5.765207e-01
## project_id_TARGET_NBL.to.1layhid35	1.277935e+00
## project_id_TCGA_LAML.to.1layhid35	3.209071e+00
## ethnicity_hispanic.to.1layhid35	3.001968e+00
## ethnicity_not_hispanic.to.1layhid35	-1.268390e+00
## gender_female.to.1layhid35	1.308106e+00
## gender_male.to.1layhid35	2.175270e+00
## race_ameri_ind_or_alaska.to.1layhid35	4.048882e+01
## race_asian.to.1layhid35	1.503364e+00
## race_black_or_afr_ameri.to.1layhid35	2.311154e+00
## race_hawaiian_or_pacific_islander.to.1layhid35	-2.036329e+00
## race_other.to.1layhid35	-1.756283e+00
## race_white.to.1layhid35	-3.187626e+00
## iss_stage_I.to.1layhid35	6.577679e-01
## iss_stage_II.to.1layhid35	-7.564974e-01
## iss_stage_III.to.1layhid35	-4.603429e-01
## site_of_resection_or_biopsy_Abdomen_NOS.to.1layhid35	-1.319517e+00
## site_of_resection_or_biopsy_Blood.to.1layhid35	-4.191294e-01
## site_of_resection_or_biopsy_Bone_marrow.to.1layhid35	-1.244689e+00
## site_of_resection_or_biopsy_Bones_of_skull_and_face.to.1layhid35	-6.955311e-01
## site_of_resection_or_biopsy_Cheek_mucosa.to.1layhid35	3.451155e+01
## site_of_resection_or_biopsy_Connective_and_other_soft_tissues.to.1layhid35	-3.669925e+02
## site_of_resection_or_biopsy_Connective_and_other_soft_tissues_NOS.to.1layhid35	1.072080e-01
## site_of_resection_or_biopsy_Head_face_or_neck_NOS.to.1layhid35	-1.272745e+00
## site_of_resection_or_biopsy_Hematopoietic_system_NOS.to.1layhid35	-1.202684e+00
## site_of_resection_or_biopsy_Intra_abdominal_lymph_nodes.to.1layhid35	-4.130325e+02
## site_of_resection_or_biopsy_Kidney_NOS.to.1layhid35	-4.157271e+02
## site_of_resection_or_biopsy_Lip_NOS.to.1layhid35	-4.157589e+02
## site_of_resection_or_biopsy_Liver.to.1layhid35	1.015791e-02
## site_of_resection_or_biopsy_Lower_gum.to.1layhid35	-2.842258e+02
## site_of_resection_or_biopsy_Lymph_nodes_of_head_face_neck.to.1layhid35	-6.583302e+00

## site_of_resection_or_biopsy_Mandible.to.1layhid35	4.421679e-02
## site_of_resection_or_biopsy_Mouth_NOS.to.1layhid35	-3.389083e+02
## site_of_resection_or_biopsy_Ovary.to.1layhid35	-3.037335e+02
## site_of_resection_or_biopsy_Pelvis_NOS.to.1layhid35	-4.138040e+02
## site_of_resection_or_biopsy_Peritoneum_NOS.to.1layhid35	4.089557e+01
## site_of_resection_or_biopsy_Retroperitoneum.to.1layhid35	-2.080161e+02
## site_of_resection_or_biopsy_Small_intestine_NOS.to.1layhid35	-4.142847e+02
## site_of_resection_or_biopsy_Specified_parts_of_peritoneum.to.1layhid35	1.992558e+00
## site_of_resection_or_biopsy_Spleen.to.1layhid35	-5.778364e-01
## site_of_resection_or_biopsy_Testis_NOS.to.1layhid35	-3.659621e+02
## site_of_resection_or_biopsy_Vestibule_of_mouth.to.1layhid35	-3.350308e+02
## tissue_or_organ_of_origin_Bone_marrow.to.1layhid35	5.069816e-01
## tissue_or_organ_of_origin_Bones_of_skull_and_face.to.1layhid35	-3.338361e+02
## tissue_or_organ_of_origin_Hematopoietic_system_NOS.to.1layhid35	3.001318e-01
## tissue_or_organ_of_origin_Orbit_NOS.to.1layhid35	-3.612469e+02
## Intercept.to.1layhid36	-9.948205e-01
## project_id_BEATAML1.0_COHORT.to.1layhid36	-1.548797e+00
## project_id_BEATAML1.0_CRENOLANIB.to.1layhid36	1.005921e+02
## project_id_CGCI_BLGSP.to.1layhid36	1.913791e+00
## project_id_GENIE_DFCI.to.1layhid36	1.386190e+00
## project_id_GENIE_JHU.to.1layhid36	-1.915380e-02
## project_id_GENIE_MDA.to.1layhid36	2.458350e-01
## project_id_GENIE_MSK.to.1layhid36	-1.946364e-01
## project_id_GENIE_UHN.to.1layhid36	2.582372e-01
## project_id_GENIE_VICC.to.1layhid36	-6.311622e-01
## project_id_MMRF_COMMPASS.to.1layhid36	9.280425e-01
## project_id_OHSU_CNL.to.1layhid36	5.050495e-01
## project_id_TARGET_ALL_P1.to.1layhid36	1.933659e+01
## project_id_TARGET_ALL_P2.to.1layhid36	-1.814616e+00
## project_id_TARGET_ALL_P3.to.1layhid36	1.728810e+01
## project_id_TARGET_AML.to.1layhid36	-1.109060e+00
## project_id_TARGET_NBL.to.1layhid36	2.634870e+00
## project_id_TCGA_LAML.to.1layhid36	5.222512e+01
## ethnicity_hispanic.to.1layhid36	-1.416077e+01
## ethnicity_not_hispanic.to.1layhid36	1.194906e+00
## gender_female.to.1layhid36	9.631390e-01
## gender_male.to.1layhid36	-2.302028e+00
## race_ameri_ind_or_alaska.to.1layhid36	-1.368361e+00
## race_asian.to.1layhid36	2.573317e+00
## race_black_or_afr_ameri.to.1layhid36	-1.159695e+00
## race_hawaiian_or_pacific_islander.to.1layhid36	-3.904516e+02
## race_other.to.1layhid36	2.441542e+00
## race_white.to.1layhid36	1.473504e+00
## iss_stage_I.to.1layhid36	-1.271561e-03
## iss_stage_II.to.1layhid36	2.897786e+00
## iss_stage_III.to.1layhid36	-7.540197e-01
## site_of_resection_or_biopsy_Abdomen_NOS.to.1layhid36	-2.157119e+00
## site_of_resection_or_biopsy_Blood.to.1layhid36	-8.586548e-01
## site_of_resection_or_biopsy_Bone_marrow.to.1layhid36	1.445310e-01
## site_of_resection_or_biopsy_Bones_of_skull_and_face.to.1layhid36	9.992053e+00
## site_of_resection_or_biopsy_Cheek_mucosa.to.1layhid36	9.360486e+00
## site_of_resection_or_biopsy_Connective_and_other_soft_tissues.to.1layhid36	3.177160e+01
## site_of_resection_or_biopsy_Connective_and_other_soft_tissues_NOS.to.1layhid36	4.067905e-01
## site_of_resection_or_biopsy_Head_face_or_neck_NOS.to.1layhid36	3.713646e-01

## site_of_resection_or_biopsy_Hematopoietic_system_NOS.to.1layhid36	4.992132e-02
## site_of_resection_or_biopsy_Intra_abdominal_lymph_nodes.to.1layhid36	2.326689e+00
## site_of_resection_or_biopsy_Kidney_NOS.to.1layhid36	1.626104e+00
## site_of_resection_or_biopsy_Lip_NOS.to.1layhid36	5.007953e+01
## site_of_resection_or_biopsy_Liver.to.1layhid36	4.234914e-01
## site_of_resection_or_biopsy_Lower_gum.to.1layhid36	3.860685e+01
## site_of_resection_or_biopsy_Lymph_nodes_of_head_face_neck.to.1layhid36	5.233227e+00
## site_of_resection_or_biopsy_Mandible.to.1layhid36	4.684299e-01
## site_of_resection_or_biopsy_Mouth_NOS.to.1layhid36	5.117510e+01
## site_of_resection_or_biopsy_Ovary.to.1layhid36	4.675207e+01
## site_of_resection_or_biopsy_Pelvis_NOS.to.1layhid36	3.503519e+01
## site_of_resection_or_biopsy_Peritoneum_NOS.to.1layhid36	-8.669313e+01
## site_of_resection_or_biopsy_Retroperitoneum.to.1layhid36	-5.884737e+01
## site_of_resection_or_biopsy_Small_intestine_NOS.to.1layhid36	3.420833e+01
## site_of_resection_or_biopsy_Specified_parts_of_peritoneum.to.1layhid36	3.498260e+01
## site_of_resection_or_biopsy_Spleen.to.1layhid36	-2.480393e+00
## site_of_resection_or_biopsy_Testis_NOS.to.1layhid36	-3.229224e+00
## site_of_resection_or_biopsy_Vestibule_of_mouth.to.1layhid36	4.146414e+01
## tissue_or_organ_of_origin_Bone_marrow.to.1layhid36	-1.782512e+00
## tissue_or_organ_of_origin_Bones_of_skull_and_face.to.1layhid36	3.874857e+01
## tissue_or_organ_of_origin_Hematopoietic_system_NOS.to.1layhid36	1.248929e+00
## tissue_or_organ_of_origin_Orbit_NOS.to.1layhid36	3.294468e+00
## Intercept.to.1layhid37	-1.072953e+00
## project_id_BEATAML1.0_COHORT.to.1layhid37	2.994871e+00
## project_id_BEATAML1.0_CRENOLANIB.to.1layhid37	7.316215e+01
## project_id_CGCI_BLGSP.to.1layhid37	1.214010e-01
## project_id_GENIE_DFCI.to.1layhid37	3.548573e+00
## project_id_GENIE_JHU.to.1layhid37	1.625628e-01
## project_id_GENIE_MDA.to.1layhid37	1.134145e+00
## project_id_GENIE_MSK.to.1layhid37	-8.321084e-01
## project_id_GENIE_UHN.to.1layhid37	1.431730e+00
## project_id_GENIE_VICC.to.1layhid37	3.226397e-01
## project_id_MMRF_COMMPASS.to.1layhid37	-3.970382e-01
## project_id_OHSU_CNL.to.1layhid37	5.431521e-01
## project_id_TARGET_ALL_P1.to.1layhid37	2.879615e+00
## project_id_TARGET_ALL_P2.to.1layhid37	5.589427e-01
## project_id_TARGET_ALL_P3.to.1layhid37	4.254910e+01
## project_id_TARGET_AML.to.1layhid37	6.650452e-01
## project_id_TARGET_NBL.to.1layhid37	1.254553e+00
## project_id_TCGA_LAML.to.1layhid37	1.329909e+00
## ethnicity_hispanic.to.1layhid37	-1.124130e+00
## ethnicity_not_hispanic.to.1layhid37	7.304234e-02
## gender_female.to.1layhid37	-1.018296e+00
## gender_male.to.1layhid37	7.811062e-01
## race_ameri_ind_or_alaska.to.1layhid37	-5.243799e-01
## race_asian.to.1layhid37	2.673350e+01
## race_black_or_afr_ameri.to.1layhid37	1.306703e+00
## race_hawaiian_or_pacific_islander.to.1layhid37	2.047126e+00
## race_other.to.1layhid37	1.896407e+00
## race_white.to.1layhid37	-8.590334e-01
## iss_stage_I.to.1layhid37	2.053192e+00
## iss_stage_II.to.1layhid37	-3.710436e-01
## iss_stage_III.to.1layhid37	1.439399e+00
## site_of_resection_or_biopsy_Abdomen_NOS.to.1layhid37	-2.607795e+00

## site_of_resection_or_biopsy_Blood.to.1layhid37	2.523977e+00
## site_of_resection_or_biopsy_Bone_marrow.to.1layhid37	-2.697197e-02
## site_of_resection_or_biopsy_Bones_of_skull_and_face.to.1layhid37	4.397444e-01
## site_of_resection_or_biopsy_Cheek_mucosa.to.1layhid37	3.891314e+01
## site_of_resection_or_biopsy_Connective_and_other_soft_tissues.to.1layhid37	-2.732004e+02
## site_of_resection_or_biopsy_Connective_and_other_soft_tissues_NOS.to.1layhid37	1.071060e+00
## site_of_resection_or_biopsy_Head_face_or_neck_NOS.to.1layhid37	1.353325e-01
## site_of_resection_or_biopsy_Hematopoietic_system_NOS.to.1layhid37	-1.125053e+00
## site_of_resection_or_biopsy_Intra_abdominal_lymph_nodes.to.1layhid37	2.078220e-01
## site_of_resection_or_biopsy_Kidney_NOS.to.1layhid37	-1.539271e+00
## site_of_resection_or_biopsy_Lip_NOS.to.1layhid37	3.714495e+01
## site_of_resection_or_biopsy_Liver.to.1layhid37	1.654862e+01
## site_of_resection_or_biopsy_Lower_gum.to.1layhid37	3.630308e+01
## site_of_resection_or_biopsy_Lymph_nodes_of_head_face_neck.to.1layhid37	3.580793e+00
## site_of_resection_or_biopsy_Mandible.to.1layhid37	4.668697e-01
## site_of_resection_or_biopsy_Mouth_NOS.to.1layhid37	3.897464e+01
## site_of_resection_or_biopsy_Ovary.to.1layhid37	-2.567426e+02
## site_of_resection_or_biopsy_Pelvis_NOS.to.1layhid37	-4.171484e+02
## site_of_resection_or_biopsy_Peritoneum_NOS.to.1layhid37	-3.238613e+02
## site_of_resection_or_biopsy_Retroperitoneum.to.1layhid37	-3.848255e+01
## site_of_resection_or_biopsy_Small_intestine_NOS.to.1layhid37	3.546431e+01
## site_of_resection_or_biopsy_Specified_parts_of_peritoneum.to.1layhid37	3.810014e+01
## site_of_resection_or_biopsy_Spleen.to.1layhid37	2.114985e+01
## site_of_resection_or_biopsy_Testis_NOS.to.1layhid37	-2.698754e+02
## site_of_resection_or_biopsy_Vestibule_of_mouth.to.1layhid37	3.827445e+01
## tissue_or_organ_of_origin_Bone_marrow.to.1layhid37	-1.024775e+00
## tissue_or_organ_of_origin_Bones_of_skull_and_face.to.1layhid37	3.432981e+01
## tissue_or_organ_of_origin_Hematopoietic_system_NOS.to.1layhid37	4.871592e-01
## tissue_or_organ_of_origin_Orbit_NOS.to.1layhid37	-2.557046e+02
## Intercept.to.1layhid38	-1.667564e+00
## project_id_BEATAML1.0_COHORT.to.1layhid38	-2.458185e-01
## project_id_BEATAML1.0_CRENOLANIB.to.1layhid38	1.226859e+01
## project_id_CGCI_BLGSP.to.1layhid38	5.317788e-01
## project_id_GENIE_DFCI.to.1layhid38	-8.962628e-01
## project_id_GENIE_JHU.to.1layhid38	-1.770326e+00
## project_id_GENIE_MDA.to.1layhid38	-6.335092e-01
## project_id_GENIE_MSK.to.1layhid38	-2.106233e+00
## project_id_GENIE_UHN.to.1layhid38	-3.997247e-01
## project_id_GENIE_VICC.to.1layhid38	1.336062e+00
## project_id_MMRF_COMMPASS.to.1layhid38	-2.587935e+00
## project_id_OHSU_CNL.to.1layhid38	6.312497e+00
## project_id_TARGET_ALL_P1.to.1layhid38	3.326897e+00
## project_id_TARGET_ALL_P2.to.1layhid38	1.919644e+00
## project_id_TARGET_ALL_P3.to.1layhid38	9.764667e+00
## project_id_TARGET_AML.to.1layhid38	-2.483745e+00
## project_id_TARGET_NBL.to.1layhid38	-4.381108e+00
## project_id_TCGA_LAML.to.1layhid38	-6.062144e+00
## ethnicity_hispanic.to.1layhid38	-1.194857e+00
## ethnicity_not_hispanic.to.1layhid38	7.609161e-01
## gender_female.to.1layhid38	2.461448e+00
## gender_male.to.1layhid38	-8.810403e-01
## race_ameri_ind_or_alaska.to.1layhid38	-6.022258e-03
## race_asian.to.1layhid38	3.245933e+00
## race_black_or_afr_ameri.to.1layhid38	1.006343e+00

## race_hawaiian_or_pacific_islander.to.1layhid38	7.746028e+00
## race_other.to.1layhid38	4.115741e+00
## race_white.to.1layhid38	-4.548734e+00
## iss_stage_I.to.1layhid38	-1.927771e+00
## iss_stage_II.to.1layhid38	3.731548e-01
## iss_stage_III.to.1layhid38	2.304719e+00
## site_of_resection_or_biopsy_Abdomen_NOS.to.1layhid38	1.311503e+00
## site_of_resection_or_biopsy_Blood.to.1layhid38	2.480819e+00
## site_of_resection_or_biopsy_Bone_marrow.to.1layhid38	-7.420754e-01
## site_of_resection_or_biopsy_Bones_of_skull_and_face.to.1layhid38	7.697930e-02
## site_of_resection_or_biopsy_Cheek_mucosa.to.1layhid38	-2.030315e+00
## site_of_resection_or_biopsy_Connective_and_other_soft_tissues.to.1layhid38	-3.002282e+02
## site_of_resection_or_biopsy_Connective_and_other_soft_tissues_NOS.to.1layhid38	-1.366971e+00
## site_of_resection_or_biopsy_Head_face_or_neck_NOS.to.1layhid38	-1.541740e+00
## site_of_resection_or_biopsy_Hematopoietic_system_NOS.to.1layhid38	-9.090383e-01
## site_of_resection_or_biopsy_Intra_abdominal_lymph_nodes.to.1layhid38	3.672502e+01
## site_of_resection_or_biopsy_Kidney_NOS.to.1layhid38	1.605465e+00
## site_of_resection_or_biopsy_Lip_NOS.to.1layhid38	3.996787e+00
## site_of_resection_or_biopsy_Liver.to.1layhid38	-3.597994e+00
## site_of_resection_or_biopsy_Lower_gum.to.1layhid38	3.871787e+01
## site_of_resection_or_biopsy_Lymph_nodes_of_head_face_neck.to.1layhid38	2.562389e+00
## site_of_resection_or_biopsy_Mandible.to.1layhid38	1.307469e-01
## site_of_resection_or_biopsy_Mouth_NOS.to.1layhid38	8.877376e+00
## site_of_resection_or_biopsy_Ovary.to.1layhid38	-2.627805e+02
## site_of_resection_or_biopsy_Pelvis_NOS.to.1layhid38	-3.637828e+00
## site_of_resection_or_biopsy_Peritoneum_NOS.to.1layhid38	-2.485413e+02
## site_of_resection_or_biopsy_Retroperitoneum.to.1layhid38	-7.801598e+00
## site_of_resection_or_biopsy_Small_intestine_NOS.to.1layhid38	9.895017e+00
## site_of_resection_or_biopsy_Specified_parts_of_peritoneum.to.1layhid38	6.381415e+00
## site_of_resection_or_biopsy_Spleen.to.1layhid38	-5.542330e-01
## site_of_resection_or_biopsy_Testis_NOS.to.1layhid38	-2.989506e+02
## site_of_resection_or_biopsy_Vestibule_of_mouth.to.1layhid38	4.149166e+01
## tissue_or_organ_of_origin_Bone_marrow.to.1layhid38	-3.862849e-01
## tissue_or_organ_of_origin_Bones_of_skull_and_face.to.1layhid38	3.969496e+01
## tissue_or_organ_of_origin_Hematopoietic_system_NOS.to.1layhid38	2.442251e-01
## tissue_or_organ_of_origin_Orbit_NOS.to.1layhid38	-2.476960e+02
## Intercept.to.1layhid39	-1.602674e+00
## project_id_BEATAML1.0_COHORT.to.1layhid39	2.815386e+00
## project_id_BEATAML1.0_CRENOLANIB.to.1layhid39	-8.332098e+01
## project_id_CGCI_BLGSP.to.1layhid39	-4.781145e-01
## project_id_GENIE_DFCI.to.1layhid39	9.420825e-01
## project_id_GENIE_JHU.to.1layhid39	-2.520166e-01
## project_id_GENIE_MDA.to.1layhid39	1.209872e+00
## project_id_GENIE_MSK.to.1layhid39	-6.308524e-01
## project_id_GENIE_UHN.to.1layhid39	7.244163e-02
## project_id_GENIE_VICC.to.1layhid39	5.075044e-01
## project_id_MMRF_COMPASS.to.1layhid39	1.119600e+00
## project_id_OHSU_CNL.to.1layhid39	-5.218203e+00
## project_id_TARGET_ALL_P1.to.1layhid39	5.176759e+00
## project_id_TARGET_ALL_P2.to.1layhid39	-1.621588e+00
## project_id_TARGET_ALL_P3.to.1layhid39	4.014865e+00
## project_id_TARGET_AML.to.1layhid39	-1.541722e+00
## project_id_TARGET_NBL.to.1layhid39	4.056318e+00
## project_id_TCGA_LAML.to.1layhid39	3.640821e+00

## ethnicity_hispanic.to.1layhid39	3.499404e-01
## ethnicity_not_hispanic.to.1layhid39	-2.053238e+00
## gender_female.to.1layhid39	-6.751959e+00
## gender_male.to.1layhid39	-2.788523e-02
## race_ameri_ind_or_alaska.to.1layhid39	3.440741e+00
## race_asian.to.1layhid39	-1.954647e+00
## race_black_or_afr_ameri.to.1layhid39	5.619758e-01
## race_hawaiian_or_pacific_islander.to.1layhid39	-9.641088e+01
## race_other.to.1layhid39	5.785455e-01
## race_white.to.1layhid39	-1.190366e-01
## iss_stage_I.to.1layhid39	-7.644303e-01
## iss_stage_II.to.1layhid39	-1.450690e-01
## iss_stage_III.to.1layhid39	1.167879e+00
## site_of_resection_or_biopsy_Abdomen_NOS.to.1layhid39	-4.192082e-01
## site_of_resection_or_biopsy_Blood.to.1layhid39	2.225017e+00
## site_of_resection_or_biopsy_Bone_marrow.to.1layhid39	-6.278698e-01
## site_of_resection_or_biopsy_Bones_of_skull_and_face.to.1layhid39	-1.658627e+00
## site_of_resection_or_biopsy_Cheek_mucosa.to.1layhid39	6.305989e+00
## site_of_resection_or_biopsy_Connective_and_other_soft_tissues.to.1layhid39	4.807281e+01
## site_of_resection_or_biopsy_Connective_and_other_soft_tissues_NOS.to.1layhid39	1.253448e+00
## site_of_resection_or_biopsy_Head_face_or_neck_NOS.to.1layhid39	2.058801e-01
## site_of_resection_or_biopsy_Hematopoietic_system_NOS.to.1layhid39	-8.132027e-01
## site_of_resection_or_biopsy_Intra_abdominal_lymph_nodes.to.1layhid39	-3.949609e+02
## site_of_resection_or_biopsy_Kidney_NOS.to.1layhid39	-4.144034e+02
## site_of_resection_or_biopsy_Lip_NOS.to.1layhid39	5.360031e-01
## site_of_resection_or_biopsy_Liver.to.1layhid39	2.219551e+00
## site_of_resection_or_biopsy_Lower_gum.to.1layhid39	4.427702e-01
## site_of_resection_or_biopsy_Lymph_nodes_of_head_face_neck.to.1layhid39	3.918341e+00
## site_of_resection_or_biopsy_Mandible.to.1layhid39	-6.003837e-01
## site_of_resection_or_biopsy_Mouth_NOS.to.1layhid39	-4.140379e+02
## site_of_resection_or_biopsy_Ovary.to.1layhid39	4.749408e+01
## site_of_resection_or_biopsy_Pelvis_NOS.to.1layhid39	6.801535e+00
## site_of_resection_or_biopsy_Peritoneum_NOS.to.1layhid39	4.737290e+01
## site_of_resection_or_biopsy_Retroperitoneum.to.1layhid39	8.701479e+01
## site_of_resection_or_biopsy_Small_intestine_NOS.to.1layhid39	4.239321e+00
## site_of_resection_or_biopsy_Specified_parts_of_peritoneum.to.1layhid39	-4.145565e+02
## site_of_resection_or_biopsy_Spleen.to.1layhid39	2.855408e+00
## site_of_resection_or_biopsy_Testis_NOS.to.1layhid39	4.133086e+01
## site_of_resection_or_biopsy_Vestibule_of_mouth.to.1layhid39	-2.584305e+02
## tissue_or_organ_of_origin_Bone_marrow.to.1layhid39	-2.196442e-01
## tissue_or_organ_of_origin_Bones_of_skull_and_face.to.1layhid39	-1.862297e+02
## tissue_or_organ_of_origin_Hematopoietic_system_NOS.to.1layhid39	4.523361e-01
## tissue_or_organ_of_origin_Orbit_NOS.to.1layhid39	4.173420e+01
## Intercept.to.1layhid40	5.850767e-01
## project_id_BEATAML1.0_COHORT.to.1layhid40	-2.238084e+00
## project_id_BEATAML1.0_CRENOLANIB.to.1layhid40	-4.173446e+00
## project_id_CGCI_BLGSP.to.1layhid40	-1.232759e+00
## project_id_GENIE_DFCI.to.1layhid40	7.611923e-01
## project_id_GENIE_JHU.to.1layhid40	3.009310e-01
## project_id_GENIE_MDA.to.1layhid40	-4.774219e-01
## project_id_GENIE_MSK.to.1layhid40	-2.886476e-01
## project_id_GENIE_UHN.to.1layhid40	-4.650587e-01
## project_id_GENIE_VICC.to.1layhid40	-7.634152e-01
## project_id_MMRF_COMPASS.to.1layhid40	7.451192e-01

## project_id_OHSU_CNL.to.1layhid40	-1.120961e+00
## project_id_TARGET_ALL_P1.to.1layhid40	2.943990e-01
## project_id_TARGET_ALL_P2.to.1layhid40	3.631166e+00
## project_id_TARGET_ALL_P3.to.1layhid40	-1.497711e+00
## project_id_TARGET_AML.to.1layhid40	1.112364e+00
## project_id_TARGET_NBL.to.1layhid40	-1.425556e+00
## project_id_TCGA_LAML.to.1layhid40	-1.300259e+00
## ethnicity_hispanic.to.1layhid40	-2.033294e+00
## ethnicity_not_hispanic.to.1layhid40	1.820884e-01
## gender_female.to.1layhid40	-1.260968e-01
## gender_male.to.1layhid40	-1.788801e+00
## race_ameri_ind_or_alaska.to.1layhid40	-1.859403e-01
## race_asian.to.1layhid40	8.737658e-01
## race_black_or_afr_ameri.to.1layhid40	-1.763784e-01
## race_hawaiian_or_pacific_islander.to.1layhid40	-8.180271e-01
## race_other.to.1layhid40	5.990360e+00
## race_white.to.1layhid40	9.817778e-01
## iss_stage_I.to.1layhid40	8.213931e-01
## iss_stage_II.to.1layhid40	-4.828640e-01
## iss_stage_III.to.1layhid40	2.378523e+00
## site_of_resection_or_biopsy_Abdomen_NOS.to.1layhid40	-1.990781e+02
## site_of_resection_or_biopsy_Blood.to.1layhid40	1.642625e+00
## site_of_resection_or_biopsy_Bone_marrow.to.1layhid40	3.439714e-02
## site_of_resection_or_biopsy_Bones_of_skull_and_face.to.1layhid40	-3.922060e+00
## site_of_resection_or_biopsy_Cheek_mucosa.to.1layhid40	-5.708325e-01
## site_of_resection_or_biopsy_Connective_and_other_soft_tissues.to.1layhid40	3.663727e+01
## site_of_resection_or_biopsy_Connective_and_other_soft_tissues_NOS.to.1layhid40	-1.439602e-01
## site_of_resection_or_biopsy_Head_face_or_neck_NOS.to.1layhid40	1.017606e+00
## site_of_resection_or_biopsy_Hematopoietic_system_NOS.to.1layhid40	-1.892453e+00
## site_of_resection_or_biopsy_Intra_abdominal_lymph_nodes.to.1layhid40	-1.189465e+02
## site_of_resection_or_biopsy_Kidney_NOS.to.1layhid40	-1.264931e+01
## site_of_resection_or_biopsy_Lip_NOS.to.1layhid40	3.959434e+00
## site_of_resection_or_biopsy_Liver.to.1layhid40	-6.851242e-01
## site_of_resection_or_biopsy_Lower_gum.to.1layhid40	-9.678914e-01
## site_of_resection_or_biopsy_Lymph_nodes_of_head_face_neck.to.1layhid40	2.089066e+00
## site_of_resection_or_biopsy_Mandible.to.1layhid40	1.196466e+00
## site_of_resection_or_biopsy_Mouth_NOS.to.1layhid40	-1.805043e+00
## site_of_resection_or_biopsy_Ovary.to.1layhid40	3.788528e+01
## site_of_resection_or_biopsy_Pelvis_NOS.to.1layhid40	-4.054341e+02
## site_of_resection_or_biopsy_Peritoneum_NOS.to.1layhid40	4.163441e+01
## site_of_resection_or_biopsy_Retroperitoneum.to.1layhid40	5.772341e+00
## site_of_resection_or_biopsy_Small_intestine_NOS.to.1layhid40	-7.191250e-01
## site_of_resection_or_biopsy_Specified_parts_of_peritoneum.to.1layhid40	-2.451009e+02
## site_of_resection_or_biopsy_Spleen.to.1layhid40	6.015525e-01
## site_of_resection_or_biopsy_Testis_NOS.to.1layhid40	3.701323e+01
## site_of_resection_or_biopsy_Vestibule_of_mouth.to.1layhid40	-2.814038e+00
## tissue_or_organ_of_origin_Bone_marrow.to.1layhid40	-1.196371e+00
## tissue_or_organ_of_origin_Bones_of_skull_and_face.to.1layhid40	-1.881061e+02
## tissue_or_organ_of_origin_Hematopoietic_system_NOS.to.1layhid40	1.991716e-01
## tissue_or_organ_of_origin_Orbit_NOS.to.1layhid40	3.966326e+01
## Intercept.to.1layhid41	1.901197e-01
## project_id_BEATAML1.0_COHORT.to.1layhid41	2.013580e+00
## project_id_BEATAML1.0_CRENOLANIB.to.1layhid41	-4.076236e+02
## project_id_CGCI_BLGSP.to.1layhid41	-6.958789e-01

## project_id_GENIE_DFCI.to.1layhid41	1.929485e+00
## project_id_GENIE_JHU.to.1layhid41	3.020759e-01
## project_id_GENIE_MDA.to.1layhid41	3.467715e-01
## project_id_GENIE_MSK.to.1layhid41	-2.204580e+00
## project_id_GENIE_UHN.to.1layhid41	-4.416008e-01
## project_id_GENIE_VICC.to.1layhid41	-5.001297e-02
## project_id_MMRF_COMPASS.to.1layhid41	6.791113e-01
## project_id_OHSU_CNL.to.1layhid41	-3.451562e+00
## project_id_TARGET_ALL_P1.to.1layhid41	-3.720836e-01
## project_id_TARGET_ALL_P2.to.1layhid41	-1.495576e+00
## project_id_TARGET_ALL_P3.to.1layhid41	1.868077e+00
## project_id_TARGET_AML.to.1layhid41	2.124052e+00
## project_id_TARGET_NBL.to.1layhid41	-2.627158e+00
## project_id_TCGA_LAML.to.1layhid41	5.407170e-01
## ethnicity_hispanic.to.1layhid41	7.792673e-01
## ethnicity_not_hispanic.to.1layhid41	7.798329e-01
## gender_female.to.1layhid41	-3.919697e-01
## gender_male.to.1layhid41	7.367768e-01
## race_ameri_ind_or_alaska.to.1layhid41	2.610111e+00
## race_asian.to.1layhid41	9.607529e-02
## race_black_or_afr_ameri.to.1layhid41	-5.442211e-01
## race_hawaiian_or_pacific_islander.to.1layhid41	-1.042075e+00
## race_other.to.1layhid41	3.042766e+00
## race_white.to.1layhid41	1.390265e+00
## iss_stage_I.to.1layhid41	-2.218302e+00
## iss_stage_II.to.1layhid41	-2.206622e-01
## iss_stage_III.to.1layhid41	-7.625339e-01
## site_of_resection_or_biopsy_Abdomen_NOS.to.1layhid41	-2.100163e+00
## site_of_resection_or_biopsy_Blood.to.1layhid41	1.205571e+00
## site_of_resection_or_biopsy_Bone_marrow.to.1layhid41	-5.841574e-01
## site_of_resection_or_biopsy_Bones_of_skull_and_face.to.1layhid41	1.555932e+00
## site_of_resection_or_biopsy_Cheek_mucosa.to.1layhid41	8.411804e-01
## site_of_resection_or_biopsy_Connective_and_other_soft_tissues.to.1layhid41	-2.104272e+00
## site_of_resection_or_biopsy_Connective_and_other_soft_tissues_NOS.to.1layhid41	-4.399893e-01
## site_of_resection_or_biopsy_Head_face_or_neck_NOS.to.1layhid41	8.117323e-01
## site_of_resection_or_biopsy_Hematopoietic_system_NOS.to.1layhid41	1.031059e+00
## site_of_resection_or_biopsy_Intra_abdominal_lymph_nodes.to.1layhid41	-2.198152e+00
## site_of_resection_or_biopsy_Kidney_NOS.to.1layhid41	-4.157858e+02
## site_of_resection_or_biopsy_Lip_NOS.to.1layhid41	-4.100936e+02
## site_of_resection_or_biopsy_Liver.to.1layhid41	-1.759190e+00
## site_of_resection_or_biopsy_Lower_gum.to.1layhid41	-3.295312e+02
## site_of_resection_or_biopsy_Lymph_nodes_of_head_face_neck.to.1layhid41	7.569357e-01
## site_of_resection_or_biopsy_Mandible.to.1layhid41	-1.655715e+00
## site_of_resection_or_biopsy_Mouth_NOS.to.1layhid41	-4.108559e+02
## site_of_resection_or_biopsy_Ovary.to.1layhid41	-2.026792e+00
## site_of_resection_or_biopsy_Pelvis_NOS.to.1layhid41	-1.116607e+00
## site_of_resection_or_biopsy_Peritoneum_NOS.to.1layhid41	3.910931e+01
## site_of_resection_or_biopsy_Retroperitoneum.to.1layhid41	3.595654e+01
## site_of_resection_or_biopsy_Small_intestine_NOS.to.1layhid41	-4.101634e+02
## site_of_resection_or_biopsy_Specified_parts_of_peritoneum.to.1layhid41	-4.132906e+02
## site_of_resection_or_biopsy_Spleen.to.1layhid41	-3.016329e+01
## site_of_resection_or_biopsy_Testis_NOS.to.1layhid41	-2.632605e+02
## site_of_resection_or_biopsy_Vestibule_of_mouth.to.1layhid41	-4.126405e+02
## tissue_or_organ_of_origin_Bone_marrow.to.1layhid41	-6.397275e-01

## tissue_or_organ_of_origin_Bones_of_skull_and_face.to.1layhid41	-4.132906e+02
## tissue_or_organ_of_origin_Hematopoietic_system_NOS.to.1layhid41	5.974433e-01
## tissue_or_organ_of_origin_Orbit_NOS.to.1layhid41	-1.198348e+00
## Intercept.to.1layhid42	-7.719701e-01
## project_id_BEATAML1.0_COHORT.to.1layhid42	8.513004e-01
## project_id_BEATAML1.0_CRENOLANIB.to.1layhid42	-3.437611e+02
## project_id_CGCI_BLGSP.to.1layhid42	-6.387753e-02
## project_id_GENIE_DFCI.to.1layhid42	5.813095e-01
## project_id_GENIE_JHU.to.1layhid42	-1.120034e+00
## project_id_GENIE_MDA.to.1layhid42	7.534636e-02
## project_id_GENIE_MSK.to.1layhid42	7.880925e-01
## project_id_GENIE_UHN.to.1layhid42	1.883279e+00
## project_id_GENIE_VICC.to.1layhid42	-4.387805e-01
## project_id_MMRF_COMPASS.to.1layhid42	5.624516e-01
## project_id_OHSU_CNL.to.1layhid42	3.292388e+01
## project_id_TARGET_ALL_P1.to.1layhid42	3.756083e+00
## project_id_TARGET_ALL_P2.to.1layhid42	-9.513590e-01
## project_id_TARGET_ALL_P3.to.1layhid42	4.251704e-01
## project_id_TARGET_AML.to.1layhid42	1.844763e+00
## project_id_TARGET_NBL.to.1layhid42	-1.105014e+01
## project_id_TCGA_LAML.to.1layhid42	2.602840e-01
## ethnicity_hispanic.to.1layhid42	-2.618289e+00
## ethnicity_not_hispanic.to.1layhid42	7.684413e-01
## gender_female.to.1layhid42	1.556379e+00
## gender_male.to.1layhid42	-5.268015e-01
## race_ameri_ind_or_alaska.to.1layhid42	-9.527670e-01
## race_asian.to.1layhid42	9.456693e-01
## race_black_or_afr_ameri.to.1layhid42	-2.006423e+00
## race_hawaiian_or_pacific_islander.to.1layhid42	3.705811e+00
## race_other.to.1layhid42	1.700936e+00
## race_white.to.1layhid42	-4.362173e-01
## iss_stage_I.to.1layhid42	2.523747e+00
## iss_stage_II.to.1layhid42	-1.652683e+00
## iss_stage_III.to.1layhid42	-1.172707e-01
## site_of_resection_or_biopsy_Abdomen_NOS.to.1layhid42	6.882470e-01
## site_of_resection_or_biopsy_Blood.to.1layhid42	2.106239e-01
## site_of_resection_or_biopsy_Bone_marrow.to.1layhid42	-1.289144e+00
## site_of_resection_or_biopsy_Bones_of_skull_and_face.to.1layhid42	2.827210e-01
## site_of_resection_or_biopsy_Cheek_mucosa.to.1layhid42	-4.130023e+02
## site_of_resection_or_biopsy_Connective_and_other_soft_tissues.to.1layhid42	3.883129e+01
## site_of_resection_or_biopsy_Connective_and_other_soft_tissues_NOS.to.1layhid42	3.473585e-01
## site_of_resection_or_biopsy_Head_face_or_neck_NOS.to.1layhid42	1.140700e+00
## site_of_resection_or_biopsy_Hematopoietic_system_NOS.to.1layhid42	2.468315e-01
## site_of_resection_or_biopsy_Intra_abdominal_lymph_nodes.to.1layhid42	1.728123e+00
## site_of_resection_or_biopsy_Kidney_NOS.to.1layhid42	-4.012543e+02
## site_of_resection_or_biopsy_Lip_NOS.to.1layhid42	-3.693209e+02
## site_of_resection_or_biopsy_Liver.to.1layhid42	-5.064158e-01
## site_of_resection_or_biopsy_Lower_gum.to.1layhid42	-3.110840e+02
## site_of_resection_or_biopsy_Lymph_nodes_of_head_face_neck.to.1layhid42	1.625471e+00
## site_of_resection_or_biopsy_Mandible.to.1layhid42	-4.169730e+02
## site_of_resection_or_biopsy_Mouth_NOS.to.1layhid42	-3.302037e+02
## site_of_resection_or_biopsy_Ovary.to.1layhid42	4.021260e+01
## site_of_resection_or_biopsy_Pelvis_NOS.to.1layhid42	1.651822e+00
## site_of_resection_or_biopsy_Peritoneum_NOS.to.1layhid42	4.033657e+01

## site_of_resection_or_biopsy_Retroperitoneum.to.1layhid42	4.067234e+01
## site_of_resection_or_biopsy_Small_intestine_NOS.to.1layhid42	-3.828840e+02
## site_of_resection_or_biopsy_Specified_parts_of_peritoneum.to.1layhid42	4.087124e+01
## site_of_resection_or_biopsy_Spleen.to.1layhid42	8.013655e-01
## site_of_resection_or_biopsy_Testis_NOS.to.1layhid42	3.929145e+01
## site_of_resection_or_biopsy_Vestibule_of_mouth.to.1layhid42	-3.468360e+02
## tissue_or_organ_of_origin_Bone_marrow.to.1layhid42	1.280298e-02
## tissue_or_organ_of_origin_Bones_of_skull_and_face.to.1layhid42	-3.508178e+02
## tissue_or_organ_of_origin_Hematopoietic_system_NOS.to.1layhid42	-1.252426e+00
## tissue_or_organ_of_origin_Orbit_NOS.to.1layhid42	4.236600e+01
## Intercept.to.1layhid43	1.831638e+00
## project_id_BEATAML1.0_COHORT.to.1layhid43	2.466985e+00
## project_id_BEATAML1.0_CRENOLANIB.to.1layhid43	2.294695e+00
## project_id_CGCI_BLGSP.to.1layhid43	8.925161e-01
## project_id_GENIE_DFCI.to.1layhid43	-6.641467e-01
## project_id_GENIE_JHU.to.1layhid43	7.384523e-02
## project_id_GENIE_MDA.to.1layhid43	3.647028e-01
## project_id_GENIE_MSK.to.1layhid43	3.254908e-01
## project_id_GENIE_UHN.to.1layhid43	2.427833e-01
## project_id_GENIE_VICC.to.1layhid43	3.028019e-01
## project_id_MMRF_COMMPASS.to.1layhid43	-3.156781e-02
## project_id_OHSU_CNL.to.1layhid43	-1.567996e+00
## project_id_TARGET_ALL_P1.to.1layhid43	-4.958791e+00
## project_id_TARGET_ALL_P2.to.1layhid43	4.410103e+01
## project_id_TARGET_ALL_P3.to.1layhid43	-2.871101e+02
## project_id_TARGET_AML.to.1layhid43	2.085853e+00
## project_id_TARGET_NBL.to.1layhid43	1.561305e+00
## project_id_TCGA_LAML.to.1layhid43	-4.278166e-01
## ethnicity_hispanic.to.1layhid43	-4.386397e+00
## ethnicity_not_hispanic.to.1layhid43	1.093234e+00
## gender_female.to.1layhid43	1.478400e+00
## gender_male.to.1layhid43	-1.430571e+00
## race_ameri_ind_or_alaska.to.1layhid43	-6.599313e-01
## race_asian.to.1layhid43	-2.230261e-01
## race_black_or_afr_ameri.to.1layhid43	-1.221091e+00
## race_hawaiian_or_pacific_islander.to.1layhid43	7.222555e+00
## race_other.to.1layhid43	1.284599e+00
## race_white.to.1layhid43	-2.684090e-01
## iss_stage_I.to.1layhid43	-5.806097e-02
## iss_stage_II.to.1layhid43	-1.385521e+00
## iss_stage_III.to.1layhid43	-8.312048e-01
## site_of_resection_or_biopsy_Abdomen_NOS.to.1layhid43	-2.194977e+00
## site_of_resection_or_biopsy_Blood.to.1layhid43	1.957849e+00
## site_of_resection_or_biopsy_Bone_marrow.to.1layhid43	5.463404e-01
## site_of_resection_or_biopsy_Bones_of_skull_and_face.to.1layhid43	2.753826e+00
## site_of_resection_or_biopsy_Cheek_mucosa.to.1layhid43	5.082103e+00
## site_of_resection_or_biopsy_Connective_and_other_soft_tissues.to.1layhid43	3.551476e+01
## site_of_resection_or_biopsy_Connective_and_other_soft_tissues_NOS.to.1layhid43	6.135947e-01
## site_of_resection_or_biopsy_Head_face_or_neck_NOS.to.1layhid43	-1.425179e+00
## site_of_resection_or_biopsy_Hematopoietic_system_NOS.to.1layhid43	-4.740181e-01
## site_of_resection_or_biopsy_Intra_abdominal_lymph_nodes.to.1layhid43	-2.974513e+02
## site_of_resection_or_biopsy_Kidney_NOS.to.1layhid43	3.867432e+01
## site_of_resection_or_biopsy_Lip_NOS.to.1layhid43	6.678637e+00
## site_of_resection_or_biopsy_Liver.to.1layhid43	-6.423418e+00

## site_of_resection_or_biopsy_Lower_gum.to.1layhid43	2.005995e+00
## site_of_resection_or_biopsy_Lymph_nodes_of_head_face_neck.to.1layhid43	-3.487885e+00
## site_of_resection_or_biopsy_Mandible.to.1layhid43	1.420656e+00
## site_of_resection_or_biopsy_Mouth_NOS.to.1layhid43	4.500515e+00
## site_of_resection_or_biopsy_Ovary.to.1layhid43	3.893584e+01
## site_of_resection_or_biopsy_Pelvis_NOS.to.1layhid43	-2.740571e+02
## site_of_resection_or_biopsy_Peritoneum_NOS.to.1layhid43	3.616142e+01
## site_of_resection_or_biopsy_Retroperitoneum.to.1layhid43	-2.323064e+00
## site_of_resection_or_biopsy_Small_intestine_NOS.to.1layhid43	-1.082648e+00
## site_of_resection_or_biopsy_Specified_parts_of_peritoneum.to.1layhid43	-3.210939e+02
## site_of_resection_or_biopsy_Spleen.to.1layhid43	-2.038740e+00
## site_of_resection_or_biopsy_Testis_NOS.to.1layhid43	3.729092e+01
## site_of_resection_or_biopsy_Vestibule_of_mouth.to.1layhid43	1.111185e+00
## tissue_or_organ_of_origin_Bone_marrow.to.1layhid43	-1.219688e+00
## tissue_or_organ_of_origin_Bones_of_skull_and_face.to.1layhid43	-1.416289e+00
## tissue_or_organ_of_origin_Hematopoietic_system_NOS.to.1layhid43	-1.668575e+00
## tissue_or_organ_of_origin_Orbit_NOS.to.1layhid43	3.644313e+01
## Intercept.to.1layhid44	3.384623e-01
## project_id_BEATAML1.0_COHORT.to.1layhid44	2.575553e+00
## project_id_BEATAML1.0_CRENOLANIB.to.1layhid44	-4.164401e+02
## project_id_CGCI_BLGSP.to.1layhid44	8.451917e-01
## project_id_GENIE_DFCI.to.1layhid44	-1.542228e+00
## project_id_GENIE_JHU.to.1layhid44	-1.248876e-01
## project_id_GENIE_MDA.to.1layhid44	-1.790576e+00
## project_id_GENIE_MSK.to.1layhid44	-5.501229e-01
## project_id_GENIE_UHN.to.1layhid44	-9.066992e-01
## project_id_GENIE_VICC.to.1layhid44	-1.872543e-01
## project_id_MMRF_COMMPASS.to.1layhid44	-5.594995e-01
## project_id_OHSU_CNL.to.1layhid44	-3.180636e+00
## project_id_TARGET_ALL_P1.to.1layhid44	3.243839e+00
## project_id_TARGET_ALL_P2.to.1layhid44	-1.397323e+00
## project_id_TARGET_ALL_P3.to.1layhid44	-4.442712e-01
## project_id_TARGET_AML.to.1layhid44	5.063547e+00
## project_id_TARGET_NBL.to.1layhid44	-1.413662e+01
## project_id_TCGA_LAML.to.1layhid44	-3.501442e+00
## ethnicity_hispanic.to.1layhid44	-3.831351e+00
## ethnicity_not_hispanic.to.1layhid44	-1.618458e+00
## gender_female.to.1layhid44	9.314956e-01
## gender_male.to.1layhid44	-7.991520e-01
## race_ameri_ind_or_alaska.to.1layhid44	-5.509025e+00
## race_asian.to.1layhid44	-4.267533e+00
## race_black_or_afr_ameri.to.1layhid44	2.542315e-01
## race_hawaiian_or_pacific_islander.to.1layhid44	2.628013e+01
## race_other.to.1layhid44	-7.449277e+00
## race_white.to.1layhid44	2.301824e+00
## iss_stage_I.to.1layhid44	-4.524096e-01
## iss_stage_II.to.1layhid44	-1.104258e-01
## iss_stage_III.to.1layhid44	3.659328e+00
## site_of_resection_or_biopsy_Abdomen_NOS.to.1layhid44	3.862993e-01
## site_of_resection_or_biopsy_Blood.to.1layhid44	4.262117e+01
## site_of_resection_or_biopsy_Bone_marrow.to.1layhid44	1.672283e+00
## site_of_resection_or_biopsy_Bones_of_skull_and_face.to.1layhid44	-2.074882e+00
## site_of_resection_or_biopsy_Cheek_mucosa.to.1layhid44	-2.870338e+00
## site_of_resection_or_biopsy_Connective_and_other_soft_tissues.to.1layhid44	3.444552e+01

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## site_of_resection_or_biopsy_Connective_and_other_soft_tissues_NOS.to.1layhid44 -1.555766e+00
## site_of_resection_or_biopsy_Head_face_or_neck_NOS.to.1layhid44 1.435926e+00
## site_of_resection_or_biopsy_Hematopoietic_system_NOS.to.1layhid44 -3.929206e-01
## site_of_resection_or_biopsy_Intra_abdominal_lymph_nodes.to.1layhid44 -4.513488e+00
## site_of_resection_or_biopsy_Kidney_NOS.to.1layhid44 -3.303988e+00
## site_of_resection_or_biopsy_Lip_NOS.to.1layhid44 -4.146297e+02
## site_of_resection_or_biopsy_Liver.to.1layhid44 8.577633e-01
## site_of_resection_or_biopsy_Lower_gum.to.1layhid44 -4.154351e+02
## site_of_resection_or_biopsy_Lymph_nodes_of_head_face_neck.to.1layhid44 2.916787e+00
## site_of_resection_or_biopsy_Mandible.to.1layhid44 3.640373e-01
## site_of_resection_or_biopsy_Mouth_NOS.to.1layhid44 -4.109191e+02
## site_of_resection_or_biopsy_Ovary.to.1layhid44 3.662486e+01
## site_of_resection_or_biopsy_Pelvis_NOS.to.1layhid44 -3.535945e+00
## site_of_resection_or_biopsy_Peritoneum_NOS.to.1layhid44 3.645488e+01
## site_of_resection_or_biopsy_Retroperitoneum.to.1layhid44 3.603986e+01
## site_of_resection_or_biopsy_Small_intestine_NOS.to.1layhid44 -4.167218e+02
## site_of_resection_or_biopsy_Specified_parts_of_peritoneum.to.1layhid44 -4.101625e+02
## site_of_resection_or_biopsy_Spleen.to.1layhid44 1.677832e+00
## site_of_resection_or_biopsy_Testis_NOS.to.1layhid44 3.608407e+01
## site_of_resection_or_biopsy_Vestibule_of_mouth.to.1layhid44 -4.168592e+02
## tissue_or_organ_of_origin_Bone_marrow.to.1layhid44 5.812287e-01
## tissue_or_organ_of_origin_Bones_of_skull_and_face.to.1layhid44 -4.157023e+02
## tissue_or_organ_of_origin_Hematopoietic_system_NOS.to.1layhid44 8.137384e-02
## tissue_or_organ_of_origin_Orbit_NOS.to.1layhid44 3.656976e+01
## Intercept.to.1layhid45 -1.092472e+00
## project_id_BEATAML1.0_COHORT.to.1layhid45 3.282349e+00
## project_id_BEATAML1.0_CRENOLANIB.to.1layhid45 2.344789e+00
## project_id_CGCI_BLGSP.to.1layhid45 1.858050e+00
## project_id_GENIE_DFCI.to.1layhid45 -2.297400e-01
## project_id_GENIE_JHU.to.1layhid45 -3.117030e-01
## project_id_GENIE_MDA.to.1layhid45 4.320848e-01
## project_id_GENIE_MSK.to.1layhid45 -3.205378e-02
## project_id_GENIE_UHN.to.1layhid45 9.555518e-01
## project_id_GENIE_VICC.to.1layhid45 1.378715e+00
## project_id_MMRF_COMMPASS.to.1layhid45 -1.773220e+00
## project_id_OHSU_CNL.to.1layhid45 9.066101e-01
## project_id_TARGET_ALL_P1.to.1layhid45 -1.143831e+00
## project_id_TARGET_ALL_P2.to.1layhid45 -7.812713e-02
## project_id_TARGET_ALL_P3.to.1layhid45 5.379560e-01
## project_id_TARGET_AML.to.1layhid45 1.662911e+00
## project_id_TARGET_NBL.to.1layhid45 1.618537e-01
## project_id_TCGA_LAML.to.1layhid45 -1.391846e+01
## ethnicity_hispanic.to.1layhid45 -1.814399e+00
## ethnicity_not_hispanic.to.1layhid45 -6.131786e-01
## gender_female.to.1layhid45 -1.521602e+00
## gender_male.to.1layhid45 1.110678e+00
## race_ameri_ind_or_alaska.to.1layhid45 -1.920775e+00
## race_asian.to.1layhid45 -2.346470e+00
## race_black_or_afr_ameri.to.1layhid45 -1.748389e-01
## race_hawaiian_or_pacific_islander.to.1layhid45 -9.460336e-01
## race_other.to.1layhid45 -1.306156e+00
## race_white.to.1layhid45 -1.084629e+00
## iss_stage_I.to.1layhid45 -6.173078e-01
## iss_stage_II.to.1layhid45 4.741776e-01

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## iss_stage_III.to.1layhid45	3.832003e-01
## site_of_resection_or_biopsy_Abdomen_NOS.to.1layhid45	1.140695e+00
## site_of_resection_or_biopsy_Blood.to.1layhid45	1.314859e+00
## site_of_resection_or_biopsy_Bone_marrow.to.1layhid45	-1.050287e+00
## site_of_resection_or_biopsy_Bones_of_skull_and_face.to.1layhid45	-3.615967e-01
## site_of_resection_or_biopsy_Cheek_mucosa.to.1layhid45	1.150063e+00
## site_of_resection_or_biopsy_Connective_and_other_soft_tissues.to.1layhid45	-3.687654e+02
## site_of_resection_or_biopsy_Connective_and_other_soft_tissues_NOS.to.1layhid45	-1.890741e+00
## site_of_resection_or_biopsy_Head_face_or_neck_NOS.to.1layhid45	2.336850e-01
## site_of_resection_or_biopsy_Hematopoietic_system_NOS.to.1layhid45	-1.855406e+00
## site_of_resection_or_biopsy_Intra_abdominal_lymph_nodes.to.1layhid45	-4.123725e+02
## site_of_resection_or_biopsy_Kidney_NOS.to.1layhid45	3.850639e+01
## site_of_resection_or_biopsy_Lip_NOS.to.1layhid45	-1.206806e+00
## site_of_resection_or_biopsy_Liver.to.1layhid45	-4.119701e-01
## site_of_resection_or_biopsy_Lower_gum.to.1layhid45	-3.261747e-01
## site_of_resection_or_biopsy_Lymph_nodes_of_head_face_neck.to.1layhid45	1.127038e+00
## site_of_resection_or_biopsy_Mandible.to.1layhid45	-1.261532e+00
## site_of_resection_or_biopsy_Mouth_NOS.to.1layhid45	2.641042e+00
## site_of_resection_or_biopsy_Ovary.to.1layhid45	-3.403766e+02
## site_of_resection_or_biopsy_Pelvis_NOS.to.1layhid45	7.013831e-01
## site_of_resection_or_biopsy_Peritoneum_NOS.to.1layhid45	-3.849445e+02
## site_of_resection_or_biopsy_Retroperitoneum.to.1layhid45	-4.475701e+00
## site_of_resection_or_biopsy_Small_intestine_NOS.to.1layhid45	-4.069508e-01
## site_of_resection_or_biopsy_Specified_parts_of_peritoneum.to.1layhid45	3.842735e+01
## site_of_resection_or_biopsy_Spleen.to.1layhid45	-1.630795e+00
## site_of_resection_or_biopsy_Testis_NOS.to.1layhid45	-3.808519e+02
## site_of_resection_or_biopsy_Vestibule_of_mouth.to.1layhid45	-2.498256e-02
## tissue_or_organ_of_origin_Bone_marrow.to.1layhid45	1.065865e+00
## tissue_or_organ_of_origin_Bones_of_skull_and_face.to.1layhid45	7.929884e-01
## tissue_or_organ_of_origin_Hematopoietic_system_NOS.to.1layhid45	-5.524221e-01
## tissue_or_organ_of_origin_Orbit_NOS.to.1layhid45	-3.606023e+02
## Intercept.to.1layhid46	-8.684740e-01
## project_id_BEATAML1.0_COHORT.to.1layhid46	-4.603176e+00
## project_id_BEATAML1.0_CRENOLANIB.to.1layhid46	-4.133452e+02
## project_id_CGCI_BLGSP.to.1layhid46	-6.625953e-01
## project_id_GENIE_DFCI.to.1layhid46	-1.679535e+00
## project_id_GENIE_JHU.to.1layhid46	-4.268860e-01
## project_id_GENIE_MDA.to.1layhid46	-3.201328e-01
## project_id_GENIE_MSK.to.1layhid46	1.318849e+00
## project_id_GENIE_UHN.to.1layhid46	-2.642599e-01
## project_id_GENIE_VICC.to.1layhid46	-1.328812e+00
## project_id_MMRF_COMPASS.to.1layhid46	-1.150144e-01
## project_id_OHSU_CNL.to.1layhid46	9.528021e-01
## project_id_TARGET_ALL_P1.to.1layhid46	-2.520328e-01
## project_id_TARGET_ALL_P2.to.1layhid46	5.426594e+00
## project_id_TARGET_ALL_P3.to.1layhid46	3.914105e+00
## project_id_TARGET_AML.to.1layhid46	2.144242e+00
## project_id_TARGET_NBL.to.1layhid46	-9.707262e+00
## project_id_TCGA_LAML.to.1layhid46	-1.698551e+01
## ethnicity_hispanic.to.1layhid46	1.007016e+01
## ethnicity_not_hispanic.to.1layhid46	-1.358056e+00
## gender_female.to.1layhid46	2.127196e+00
## gender_male.to.1layhid46	7.312105e-01
## race_ameri_ind_or_alaska.to.1layhid46	-1.514259e+00

## race_asian.to.1layhid46	-5.426955e-01
## race_black_or_afr_ameri.to.1layhid46	2.793196e+00
## race_hawaiian_or_pacific_islander.to.1layhid46	-9.348631e-01
## race_other.to.1layhid46	-3.462301e+00
## race_white.to.1layhid46	6.518838e-02
## iss_stage_I.to.1layhid46	5.204051e+00
## iss_stage_II.to.1layhid46	-2.007780e+00
## iss_stage_III.to.1layhid46	1.247828e+00
## site_of_resection_or_biopsy_Abdomen_NOS.to.1layhid46	9.131137e-01
## site_of_resection_or_biopsy_Blood.to.1layhid46	-3.366634e+00
## site_of_resection_or_biopsy_Bone_marrow.to.1layhid46	-1.030449e+00
## site_of_resection_or_biopsy_Bones_of_skull_and_face.to.1layhid46	7.876991e+00
## site_of_resection_or_biopsy_Cheek_mucosa.to.1layhid46	2.838440e+00
## site_of_resection_or_biopsy_Connective_and_other_soft_tissues.to.1layhid46	4.010658e+01
## site_of_resection_or_biopsy_Connective_and_other_soft_tissues_NOS.to.1layhid46	9.701591e-01
## site_of_resection_or_biopsy_Head_face_or_neck_NOS.to.1layhid46	-1.748022e-01
## site_of_resection_or_biopsy_Hematopoietic_system_NOS.to.1layhid46	-1.508418e+00
## site_of_resection_or_biopsy_Intra_abdominal_lymph_nodes.to.1layhid46	-4.114782e+02
## site_of_resection_or_biopsy_Kidney_NOS.to.1layhid46	-2.181160e+02
## site_of_resection_or_biopsy_Lip_NOS.to.1layhid46	-4.125686e+02
## site_of_resection_or_biopsy_Liver.to.1layhid46	-1.656090e+00
## site_of_resection_or_biopsy_Lower_gum.to.1layhid46	-4.131379e+02
## site_of_resection_or_biopsy_Lymph_nodes_of_head_face_neck.to.1layhid46	4.132086e+01
## site_of_resection_or_biopsy_Mandible.to.1layhid46	-1.313291e+00
## site_of_resection_or_biopsy_Mouth_NOS.to.1layhid46	-4.111525e+02
## site_of_resection_or_biopsy_Ovary.to.1layhid46	4.009762e+01
## site_of_resection_or_biopsy_Pelvis_NOS.to.1layhid46	-3.471555e+00
## site_of_resection_or_biopsy_Peritoneum_NOS.to.1layhid46	3.735786e+01
## site_of_resection_or_biopsy_Retroperitoneum.to.1layhid46	4.125358e+01
## site_of_resection_or_biopsy_Small_intestine_NOS.to.1layhid46	-4.132590e+02
## site_of_resection_or_biopsy_Specified_parts_of_peritoneum.to.1layhid46	-3.542719e+00
## site_of_resection_or_biopsy_Spleen.to.1layhid46	-4.343898e+00
## site_of_resection_or_biopsy_Testis_NOS.to.1layhid46	3.800179e+01
## site_of_resection_or_biopsy_Vestibule_of_mouth.to.1layhid46	-4.133492e+02
## tissue_or_organ_of_origin_Bone_marrow.to.1layhid46	1.050631e+00
## tissue_or_organ_of_origin_Bones_of_skull_and_face.to.1layhid46	-4.132984e+02
## tissue_or_organ_of_origin_Hematopoietic_system_NOS.to.1layhid46	-4.162692e-01
## tissue_or_organ_of_origin_Orbit_NOS.to.1layhid46	3.964135e+01
## Intercept.to.1layhid47	7.054821e-01
## project_id_BEATAML1.0_COHORT.to.1layhid47	-2.906848e+00
## project_id_BEATAML1.0_CRENOLANIB.to.1layhid47	-4.028155e+02
## project_id_CGCI_BLGSP.to.1layhid47	-1.172946e+00
## project_id_GENIE_DFCI.to.1layhid47	9.208559e-01
## project_id_GENIE_JHU.to.1layhid47	-8.883931e-01
## project_id_GENIE_MDA.to.1layhid47	-2.750688e+00
## project_id_GENIE_MSK.to.1layhid47	4.992281e-02
## project_id_GENIE_UHN.to.1layhid47	-9.239955e-01
## project_id_GENIE_VICC.to.1layhid47	3.623421e-01
## project_id_MMRF_COMPASS.to.1layhid47	3.733671e-01
## project_id_OHSU_CNL.to.1layhid47	-4.108657e+00
## project_id_TARGET_ALL_P1.to.1layhid47	-2.775108e+00
## project_id_TARGET_ALL_P2.to.1layhid47	1.391975e+00
## project_id_TARGET_ALL_P3.to.1layhid47	2.515590e+00
## project_id_TARGET_AML.to.1layhid47	9.187515e-01

## project_id_TARGET_NBL.to.1layhid47	9.238425e+00
## project_id_TCGA_LAML.to.1layhid47	-1.196130e+00
## ethnicity_hispanic.to.1layhid47	-3.137827e+00
## ethnicity_not_hispanic.to.1layhid47	1.429183e-01
## gender_female.to.1layhid47	-4.202015e-01
## gender_male.to.1layhid47	2.079436e+00
## race_ameri_ind_or_alaska.to.1layhid47	1.674885e+00
## race_asian.to.1layhid47	-1.162777e+00
## race_black_or_afr_ameri.to.1layhid47	5.025706e-01
## race_hawaiian_or_pacific_islander.to.1layhid47	-2.631785e+00
## race_other.to.1layhid47	-4.506019e+00
## race_white.to.1layhid47	-8.797213e-01
## iss_stage_I.to.1layhid47	-1.192662e+00
## iss_stage_II.to.1layhid47	2.300877e+00
## iss_stage_III.to.1layhid47	-1.217182e+00
## site_of_resection_or_biopsy_Abdomen_NOS.to.1layhid47	-2.396782e+00
## site_of_resection_or_biopsy_Blood.to.1layhid47	-1.740224e+00
## site_of_resection_or_biopsy_Bone_marrow.to.1layhid47	6.398391e-01
## site_of_resection_or_biopsy_Bones_of_skull_and_face.to.1layhid47	1.374639e+00
## site_of_resection_or_biopsy_Cheek_mucosa.to.1layhid47	1.240597e-01
## site_of_resection_or_biopsy_Connective_and_other_soft_tissues.to.1layhid47	4.003329e+01
## site_of_resection_or_biopsy_Connective_and_other_soft_tissues_NOS.to.1layhid47	5.655666e-01
## site_of_resection_or_biopsy_Head_face_or_neck_NOS.to.1layhid47	4.235618e-01
## site_of_resection_or_biopsy_Hematopoietic_system_NOS.to.1layhid47	6.563012e-01
## site_of_resection_or_biopsy_Intra_abdominal_lymph_nodes.to.1layhid47	3.995485e+01
## site_of_resection_or_biopsy_Kidney_NOS.to.1layhid47	3.857161e+01
## site_of_resection_or_biopsy_Lip_NOS.to.1layhid47	-4.139059e+02
## site_of_resection_or_biopsy_Liver.to.1layhid47	-8.994341e+00
## site_of_resection_or_biopsy_Lower_gum.to.1layhid47	-4.161721e+02
## site_of_resection_or_biopsy_Lymph_nodes_of_head_face_neck.to.1layhid47	9.636544e-01
## site_of_resection_or_biopsy_Mandible.to.1layhid47	4.234365e+00
## site_of_resection_or_biopsy_Mouth_NOS.to.1layhid47	-4.136207e+02
## site_of_resection_or_biopsy_Ovary.to.1layhid47	4.330690e+01
## site_of_resection_or_biopsy_Pelvis_NOS.to.1layhid47	-4.009553e+02
## site_of_resection_or_biopsy_Peritoneum_NOS.to.1layhid47	3.998851e+01
## site_of_resection_or_biopsy_Retroperitoneum.to.1layhid47	3.745424e+01
## site_of_resection_or_biopsy_Small_intestine_NOS.to.1layhid47	-4.160111e+02
## site_of_resection_or_biopsy_Specified_parts_of_peritoneum.to.1layhid47	-3.783502e+02
## site_of_resection_or_biopsy_Spleen.to.1layhid47	1.055287e-01
## site_of_resection_or_biopsy_Testis_NOS.to.1layhid47	3.750912e+01
## site_of_resection_or_biopsy_Vestibule_of_mouth.to.1layhid47	-3.778439e+02
## tissue_or_organ_of_origin_Bone_marrow.to.1layhid47	9.214230e-01
## tissue_or_organ_of_origin_Bones_of_skull_and_face.to.1layhid47	-4.140765e+02
## tissue_or_organ_of_origin_Hematopoietic_system_NOS.to.1layhid47	-3.754485e-01
## tissue_or_organ_of_origin_Orbit_NOS.to.1layhid47	3.530124e+01
## Intercept.to.1layhid48	5.414536e-02
## project_id_BEATAML1.0_COHORT.to.1layhid48	3.556535e+00
## project_id_BEATAML1.0_CRENOLANIB.to.1layhid48	1.205992e+02
## project_id_CGCI_BLGSP.to.1layhid48	4.015662e+00
## project_id_GENIE_DFCI.to.1layhid48	-2.074931e-01
## project_id_GENIE_JHU.to.1layhid48	-6.717121e-01
## project_id_GENIE_MDA.to.1layhid48	-2.800186e-01
## project_id_GENIE_MSK.to.1layhid48	2.072862e+00
## project_id_GENIE_UHN.to.1layhid48	-1.316006e+00

## project_id_GENIE_VICC.to.1layhid48	1.510186e+00
## project_id_MMRF_COMPASS.to.1layhid48	-3.625444e-02
## project_id_OHSU_CNL.to.1layhid48	5.485659e+00
## project_id_TARGET_ALL_P1.to.1layhid48	-1.309474e+00
## project_id_TARGET_ALL_P2.to.1layhid48	-3.779946e-01
## project_id_TARGET_ALL_P3.to.1layhid48	-7.724083e+00
## project_id_TARGET_AML.to.1layhid48	-4.164999e+01
## project_id_TARGET_NBL.to.1layhid48	1.491526e+00
## project_id_TCGA_LAML.to.1layhid48	5.068148e+00
## ethnicity_hispanic.to.1layhid48	3.708745e+00
## ethnicity_not_hispanic.to.1layhid48	-8.844803e-01
## gender_female.to.1layhid48	-5.843162e-01
## gender_male.to.1layhid48	2.116498e+00
## race_ameri_ind_or_alaska.to.1layhid48	3.561656e+01
## race_asian.to.1layhid48	-3.165986e+00
## race_black_or_afr_ameri.to.1layhid48	6.173748e+00
## race_hawaiian_or_pacific_islander.to.1layhid48	9.939272e+00
## race_other.to.1layhid48	-7.993582e-01
## race_white.to.1layhid48	-1.307889e+00
## iss_stage_I.to.1layhid48	-4.213361e+00
## iss_stage_II.to.1layhid48	5.917591e-01
## iss_stage_III.to.1layhid48	1.478433e+00
## site_of_resection_or_biopsy_Abdomen_NOS.to.1layhid48	-9.545554e+00
## site_of_resection_or_biopsy_Blood.to.1layhid48	-1.260878e+01
## site_of_resection_or_biopsy_Bone_marrow.to.1layhid48	1.012463e+00
## site_of_resection_or_biopsy_Bones_of_skull_and_face.to.1layhid48	-6.923895e+00
## site_of_resection_or_biopsy_Cheek_mucosa.to.1layhid48	-8.429128e+00
## site_of_resection_or_biopsy_Connective_and_other_soft_tissues.to.1layhid48	-4.117620e+02
## site_of_resection_or_biopsy_Connective_and_other_soft_tissues_NOS.to.1layhid48	6.501010e-01
## site_of_resection_or_biopsy_Head_face_or_neck_NOS.to.1layhid48	-1.598454e+00
## site_of_resection_or_biopsy_Hematopoietic_system_NOS.to.1layhid48	-4.229774e-01
## site_of_resection_or_biopsy_Intra_abdominal_lymph_nodes.to.1layhid48	-9.938594e+00
## site_of_resection_or_biopsy_Kidney_NOS.to.1layhid48	-1.567085e+01
## site_of_resection_or_biopsy_Lip_NOS.to.1layhid48	2.184874e+01
## site_of_resection_or_biopsy_Liver.to.1layhid48	-1.281223e+00
## site_of_resection_or_biopsy_Lower_gum.to.1layhid48	7.664140e-01
## site_of_resection_or_biopsy_Lymph_nodes_of_head_face_neck.to.1layhid48	-1.040324e+01
## site_of_resection_or_biopsy_Mandible.to.1layhid48	-4.548088e+00
## site_of_resection_or_biopsy_Mouth_NOS.to.1layhid48	-3.252808e+00
## site_of_resection_or_biopsy_Ovary.to.1layhid48	-4.071548e+02
## site_of_resection_or_biopsy_Pelvis_NOS.to.1layhid48	3.435294e+01
## site_of_resection_or_biopsy_Peritoneum_NOS.to.1layhid48	-4.136331e+02
## site_of_resection_or_biopsy_Retroperitoneum.to.1layhid48	-8.631246e+01
## site_of_resection_or_biopsy_Small_intestine_NOS.to.1layhid48	3.575123e+01
## site_of_resection_or_biopsy_Specified_parts_of_peritoneum.to.1layhid48	3.594749e+01
## site_of_resection_or_biopsy_Spleen.to.1layhid48	-6.487351e-01
## site_of_resection_or_biopsy_Testis_NOS.to.1layhid48	-4.110897e+02
## site_of_resection_or_biopsy_Vestibule_of_mouth.to.1layhid48	-2.878612e-01
## tissue_or_organ_of_origin_Bone_marrow.to.1layhid48	-7.785066e-01
## tissue_or_organ_of_origin_Bones_of_skull_and_face.to.1layhid48	3.011250e+01
## tissue_or_organ_of_origin_Hematopoietic_system_NOS.to.1layhid48	3.136471e+00
## tissue_or_organ_of_origin_Orbit_NOS.to.1layhid48	-4.154205e+02
## Intercept.to.1layhid49	-1.242728e+00
## project_id_BEATAML1.0_COHORT.to.1layhid49	6.754155e-01

## project_id_BEATAML1.0_CRENOLANIB.to.1layhid49	1.461744e+02
## project_id_CGCI_BLGSP.to.1layhid49	1.403082e+00
## project_id_GENIE_DFCI.to.1layhid49	3.420460e-02
## project_id_GENIE_JHU.to.1layhid49	-1.285456e+00
## project_id_GENIE_MDA.to.1layhid49	1.848644e-01
## project_id_GENIE_MSK.to.1layhid49	1.232573e-01
## project_id_GENIE_UHN.to.1layhid49	5.227424e-02
## project_id_GENIE_VICC.to.1layhid49	1.818052e+00
## project_id_MMRF_COMMPASS.to.1layhid49	3.666326e-01
## project_id_OHSU_CNL.to.1layhid49	6.695134e-01
## project_id_TARGET_ALL_P1.to.1layhid49	-1.075861e+00
## project_id_TARGET_ALL_P2.to.1layhid49	1.892990e+00
## project_id_TARGET_ALL_P3.to.1layhid49	2.203016e+00
## project_id_TARGET_AML.to.1layhid49	-2.067599e-01
## project_id_TARGET_NBL.to.1layhid49	-1.950298e-01
## project_id_TCGA_LAML.to.1layhid49	-7.459466e-02
## ethnicity_hispanic.to.1layhid49	1.573781e-01
## ethnicity_not_hispanic.to.1layhid49	1.155215e+00
## gender_female.to.1layhid49	-5.904057e-01
## gender_male.to.1layhid49	1.180535e+00
## race_ameri_ind_or_alaska.to.1layhid49	-3.856912e+00
## race_asian.to.1layhid49	6.329400e-01
## race_black_or_afr_ameri.to.1layhid49	-1.821698e+00
## race_hawaiian_or_pacific_islander.to.1layhid49	3.142857e+00
## race_other.to.1layhid49	3.304821e+00
## race_white.to.1layhid49	-8.228238e-01
## iss_stage_I.to.1layhid49	1.289099e+00
## iss_stage_II.to.1layhid49	-6.927252e-01
## iss_stage_III.to.1layhid49	-1.942040e+00
## site_of_resection_or_biopsy_Abdomen_NOS.to.1layhid49	-3.345287e+02
## site_of_resection_or_biopsy_Blood.to.1layhid49	-1.984209e+00
## site_of_resection_or_biopsy_Bone_marrow.to.1layhid49	-1.855662e-01
## site_of_resection_or_biopsy_Bones_of_skull_and_face.to.1layhid49	-1.026744e+02
## site_of_resection_or_biopsy_Cheek_mucosa.to.1layhid49	-4.152344e+02
## site_of_resection_or_biopsy_Connective_and_other_soft_tissues.to.1layhid49	-4.052190e+02
## site_of_resection_or_biopsy_Connective_and_other_soft_tissues_NOS.to.1layhid49	-9.034715e-01
## site_of_resection_or_biopsy_Head_face_or_neck_NOS.to.1layhid49	-1.314344e+00
## site_of_resection_or_biopsy_Hematopoietic_system_NOS.to.1layhid49	-1.222524e+00
## site_of_resection_or_biopsy_Intra_abdominal_lymph_nodes.to.1layhid49	8.009395e-01
## site_of_resection_or_biopsy_Kidney_NOS.to.1layhid49	1.636481e+00
## site_of_resection_or_biopsy_Lip_NOS.to.1layhid49	3.922280e+01
## site_of_resection_or_biopsy_Liver.to.1layhid49	-8.773002e+00
## site_of_resection_or_biopsy_Lower_gum.to.1layhid49	3.931918e+01
## site_of_resection_or_biopsy_Lymph_nodes_of_head_face_neck.to.1layhid49	-4.073991e+01
## site_of_resection_or_biopsy_Mandible.to.1layhid49	3.086184e+00
## site_of_resection_or_biopsy_Mouth_NOS.to.1layhid49	4.171324e+01
## site_of_resection_or_biopsy_Ovary.to.1layhid49	-4.081805e+02
## site_of_resection_or_biopsy_Pelvis_NOS.to.1layhid49	-4.170236e+02
## site_of_resection_or_biopsy_Peritoneum_NOS.to.1layhid49	-3.955309e+02
## site_of_resection_or_biopsy_Retroperitoneum.to.1layhid49	-1.104633e+02
## site_of_resection_or_biopsy_Small_intestine_NOS.to.1layhid49	3.593061e+01
## site_of_resection_or_biopsy_Specified_parts_of_peritoneum.to.1layhid49	7.211054e-01
## site_of_resection_or_biopsy_Spleen.to.1layhid49	-4.381918e+00
## site_of_resection_or_biopsy_Testis_NOS.to.1layhid49	-4.029317e+02

## site_of_resection_or_biopsy_Vestibule_of_mouth.to.1layhid49	3.885595e+01
## tissue_or_organ_of_origin_Bone_marrow.to.1layhid49	4.581298e-01
## tissue_or_organ_of_origin_Bones_of_skull_and_face.to.1layhid49	3.860002e+01
## tissue_or_organ_of_origin_Hematopoietic_system_NOS.to.1layhid49	-3.082184e-01
## tissue_or_organ_of_origin_Orbit_NOS.to.1layhid49	-3.884338e+02
## Intercept.to.1layhid50	-4.113431e-01
## project_id_BEATAML1.0_COHORT.to.1layhid50	-3.277523e+00
## project_id_BEATAML1.0_CRENOLANIB.to.1layhid50	-4.157449e+02
## project_id_CGCI_BLGSP.to.1layhid50	-2.171618e+00
## project_id_GENIE_DFCI.to.1layhid50	-4.611268e-02
## project_id_GENIE_JHU.to.1layhid50	2.162543e-01
## project_id_GENIE_MDA.to.1layhid50	-9.652411e-01
## project_id_GENIE_MSK.to.1layhid50	1.500538e+00
## project_id_GENIE_UHN.to.1layhid50	-1.503993e+00
## project_id_GENIE_VICC.to.1layhid50	-1.907642e+00
## project_id_MMRF_COMPASS.to.1layhid50	3.655756e-01
## project_id_OHSU_CNL.to.1layhid50	-2.992732e+02
## project_id_TARGET_ALL_P1.to.1layhid50	-3.408608e+01
## project_id_TARGET_ALL_P2.to.1layhid50	3.959280e+01
## project_id_TARGET_ALL_P3.to.1layhid50	1.834364e+00
## project_id_TARGET_AML.to.1layhid50	2.470236e-01
## project_id_TARGET_NBL.to.1layhid50	-9.267252e+00
## project_id_TCGA_LAML.to.1layhid50	-7.590794e-01
## ethnicity_hispanic.to.1layhid50	2.230158e+01
## ethnicity_not_hispanic.to.1layhid50	-1.041563e+00
## gender_female.to.1layhid50	9.329436e-01
## gender_male.to.1layhid50	9.134504e-01
## race_ameri_ind_or_alaska.to.1layhid50	4.638261e+00
## race_asian.to.1layhid50	-4.003213e-01
## race_black_or_afr_ameri.to.1layhid50	2.790092e+00
## race_hawaiian_or_pacific_islander.to.1layhid50	1.527685e+00
## race_other.to.1layhid50	3.491249e-01
## race_white.to.1layhid50	4.596248e-01
## iss_stage_I.to.1layhid50	5.276827e-01
## iss_stage_II.to.1layhid50	5.868973e-01
## iss_stage_III.to.1layhid50	1.899259e-01
## site_of_resection_or_biopsy_Abdomen_NOS.to.1layhid50	2.709379e+00
## site_of_resection_or_biopsy_Blood.to.1layhid50	-1.994801e+00
## site_of_resection_or_biopsy_Bone_marrow.to.1layhid50	1.101338e+00
## site_of_resection_or_biopsy_Bones_of_skull_and_face.to.1layhid50	-2.332821e+01
## site_of_resection_or_biopsy_Cheek_mucosa.to.1layhid50	-4.128635e+02
## site_of_resection_or_biopsy_Connective_and_other_soft_tissues.to.1layhid50	4.241096e+01
## site_of_resection_or_biopsy_Connective_and_other_soft_tissues_NOS.to.1layhid50	7.751956e-01
## site_of_resection_or_biopsy_Head_face_or_neck_NOS.to.1layhid50	1.144835e+00
## site_of_resection_or_biopsy_Hematopoietic_system_NOS.to.1layhid50	-3.548202e-01
## site_of_resection_or_biopsy_Intra_abdominal_lymph_nodes.to.1layhid50	-4.074024e+02
## site_of_resection_or_biopsy_Kidney_NOS.to.1layhid50	-2.556186e+01
## site_of_resection_or_biopsy_Lip_NOS.to.1layhid50	-4.154886e+02
## site_of_resection_or_biopsy_Liver.to.1layhid50	-1.342189e+00
## site_of_resection_or_biopsy_Lower_gum.to.1layhid50	-4.116673e+02
## site_of_resection_or_biopsy_Lymph_nodes_of_head_face_neck.to.1layhid50	-2.047913e+01
## site_of_resection_or_biopsy_Mandible.to.1layhid50	1.857683e+00
## site_of_resection_or_biopsy_Mouth_NOS.to.1layhid50	-4.136365e+02
## site_of_resection_or_biopsy_Ovary.to.1layhid50	4.197090e+01

## site_of_resection_or_biopsy_Pelvis_NOS.to.1layhid50	-3.949700e+02
## site_of_resection_or_biopsy_Peritoneum_NOS.to.1layhid50	4.201216e+01
## site_of_resection_or_biopsy_Retroperitoneum.to.1layhid50	4.235117e+01
## site_of_resection_or_biopsy_Small_intestine_NOS.to.1layhid50	-4.132799e+02
## site_of_resection_or_biopsy_Specified_parts_of_peritoneum.to.1layhid50	-2.596058e+01
## site_of_resection_or_biopsy_Spleen.to.1layhid50	1.908514e+01
## site_of_resection_or_biopsy_Testis_NOS.to.1layhid50	4.236089e+01
## site_of_resection_or_biopsy_Vestibule_of_mouth.to.1layhid50	-4.141257e+02
## tissue_or_organ_of_origin_Bone_marrow.to.1layhid50	-4.463940e-01
## tissue_or_organ_of_origin_Bones_of_skull_and_face.to.1layhid50	-4.140526e+02
## tissue_or_organ_of_origin_Hematopoietic_system_NOS.to.1layhid50	-3.552844e+00
## tissue_or_organ_of_origin_Orbit_NOS.to.1layhid50	3.568353e+01
## Intercept.to.2layhid1	-9.085605e-01
## 1layhid1.to.2layhid1	-7.957724e-01
## 1layhid2.to.2layhid1	-5.865138e-01
## 1layhid3.to.2layhid1	1.878969e+00
## 1layhid4.to.2layhid1	1.166692e+00
## 1layhid5.to.2layhid1	4.947376e-02
## 1layhid6.to.2layhid1	1.873284e-01
## 1layhid7.to.2layhid1	-2.434246e-02
## 1layhid8.to.2layhid1	-4.095832e-01
## 1layhid9.to.2layhid1	1.625166e+00
## 1layhid10.to.2layhid1	1.290963e+00
## 1layhid11.to.2layhid1	9.041387e-01
## 1layhid12.to.2layhid1	-1.893673e+00
## 1layhid13.to.2layhid1	-1.606114e+00
## 1layhid14.to.2layhid1	1.401119e+00
## 1layhid15.to.2layhid1	-1.788402e+00
## 1layhid16.to.2layhid1	6.438033e-01
## 1layhid17.to.2layhid1	6.690245e-01
## 1layhid18.to.2layhid1	1.031615e+00
## 1layhid19.to.2layhid1	-8.296388e-01
## 1layhid20.to.2layhid1	-8.682119e-04
## 1layhid21.to.2layhid1	-1.047198e+00
## 1layhid22.to.2layhid1	2.712780e+00
## 1layhid23.to.2layhid1	-1.449792e+00
## 1layhid24.to.2layhid1	-3.742113e-01
## 1layhid25.to.2layhid1	-6.296061e-01
## 1layhid26.to.2layhid1	-1.677216e+00
## 1layhid27.to.2layhid1	-2.519752e-01
## 1layhid28.to.2layhid1	1.849118e+00
## 1layhid29.to.2layhid1	1.079632e+00
## 1layhid30.to.2layhid1	-1.450041e+00
## 1layhid31.to.2layhid1	-6.358421e-01
## 1layhid32.to.2layhid1	8.593289e-02
## 1layhid33.to.2layhid1	2.244155e+00
## 1layhid34.to.2layhid1	-6.267803e-01
## 1layhid35.to.2layhid1	2.306337e+00
## 1layhid36.to.2layhid1	6.969587e-01
## 1layhid37.to.2layhid1	-2.281318e-01
## 1layhid38.to.2layhid1	1.673045e+00
## 1layhid39.to.2layhid1	3.541614e+00
## 1layhid40.to.2layhid1	-9.825722e-01
## 1layhid41.to.2layhid1	7.266943e-01

## 1layhid42.to.2layhid1	7.138611e-01
## 1layhid43.to.2layhid1	-1.889488e+00
## 1layhid44.to.2layhid1	3.600871e-01
## 1layhid45.to.2layhid1	2.797112e+00
## 1layhid46.to.2layhid1	-5.525183e-01
## 1layhid47.to.2layhid1	2.468987e+00
## 1layhid48.to.2layhid1	-6.586049e-01
## 1layhid49.to.2layhid1	-3.853276e-01
## 1layhid50.to.2layhid1	-3.227934e-01
## Intercept.to.2layhid2	-1.057533e+00
## 1layhid1.to.2layhid2	-1.929735e+00
## 1layhid2.to.2layhid2	-4.424818e+00
## 1layhid3.to.2layhid2	4.105647e+00
## 1layhid4.to.2layhid2	6.782415e+00
## 1layhid5.to.2layhid2	-1.780522e-01
## 1layhid6.to.2layhid2	-1.266416e+00
## 1layhid7.to.2layhid2	1.119170e+00
## 1layhid8.to.2layhid2	2.523619e-01
## 1layhid9.to.2layhid2	-6.486156e-01
## 1layhid10.to.2layhid2	3.197029e+00
## 1layhid11.to.2layhid2	-2.981794e-01
## 1layhid12.to.2layhid2	-1.312590e-01
## 1layhid13.to.2layhid2	6.752256e-01
## 1layhid14.to.2layhid2	5.103081e-01
## 1layhid15.to.2layhid2	-4.490931e-01
## 1layhid16.to.2layhid2	-6.909492e-01
## 1layhid17.to.2layhid2	3.595824e-01
## 1layhid18.to.2layhid2	9.103195e-01
## 1layhid19.to.2layhid2	-3.767135e-01
## 1layhid20.to.2layhid2	3.368816e-01
## 1layhid21.to.2layhid2	6.587804e-01
## 1layhid22.to.2layhid2	-5.941100e-01
## 1layhid23.to.2layhid2	-9.543633e-01
## 1layhid24.to.2layhid2	-1.881152e+00
## 1layhid25.to.2layhid2	6.147214e-01
## 1layhid26.to.2layhid2	-1.483669e+00
## 1layhid27.to.2layhid2	-1.923229e+00
## 1layhid28.to.2layhid2	1.668389e+00
## 1layhid29.to.2layhid2	-6.998518e+00
## 1layhid30.to.2layhid2	9.842223e-01
## 1layhid31.to.2layhid2	7.633278e-01
## 1layhid32.to.2layhid2	-1.433815e+00
## 1layhid33.to.2layhid2	-2.191165e-01
## 1layhid34.to.2layhid2	1.226700e+00
## 1layhid35.to.2layhid2	-1.359497e+00
## 1layhid36.to.2layhid2	9.575877e-01
## 1layhid37.to.2layhid2	-5.278074e-01
## 1layhid38.to.2layhid2	-1.842695e+00
## 1layhid39.to.2layhid2	4.734281e+00
## 1layhid40.to.2layhid2	1.413243e-01
## 1layhid41.to.2layhid2	5.657145e-01
## 1layhid42.to.2layhid2	1.609472e-02
## 1layhid43.to.2layhid2	1.512834e+00
## 1layhid44.to.2layhid2	-7.377167e-01

## 1layhid45.to.2layhid2	1.177092e+00
## 1layhid46.to.2layhid2	-2.695901e+00
## 1layhid47.to.2layhid2	-1.779348e+00
## 1layhid48.to.2layhid2	-1.128149e+00
## 1layhid49.to.2layhid2	-3.061589e+00
## 1layhid50.to.2layhid2	-7.508716e-01
## Intercept.to.2layhid3	-1.065582e+00
## 1layhid1.to.2layhid3	-1.096245e+00
## 1layhid2.to.2layhid3	8.783225e-01
## 1layhid3.to.2layhid3	-4.098141e+00
## 1layhid4.to.2layhid3	1.074036e+01
## 1layhid5.to.2layhid3	-1.578320e+00
## 1layhid6.to.2layhid3	-3.098619e-01
## 1layhid7.to.2layhid3	-3.984258e-01
## 1layhid8.to.2layhid3	1.198392e+00
## 1layhid9.to.2layhid3	1.402497e+00
## 1layhid10.to.2layhid3	-7.385454e+00
## 1layhid11.to.2layhid3	-1.216953e+00
## 1layhid12.to.2layhid3	-2.459258e-01
## 1layhid13.to.2layhid3	-6.413058e-01
## 1layhid14.to.2layhid3	-1.740466e+00
## 1layhid15.to.2layhid3	-2.843222e-01
## 1layhid16.to.2layhid3	-1.087959e+00
## 1layhid17.to.2layhid3	7.591420e-02
## 1layhid18.to.2layhid3	-7.651482e-03
## 1layhid19.to.2layhid3	1.301868e+00
## 1layhid20.to.2layhid3	-1.553144e-01
## 1layhid21.to.2layhid3	2.181263e+00
## 1layhid22.to.2layhid3	4.186725e+00
## 1layhid23.to.2layhid3	1.676660e+00
## 1layhid24.to.2layhid3	8.505331e-01
## 1layhid25.to.2layhid3	6.788157e-01
## 1layhid26.to.2layhid3	-9.023923e-01
## 1layhid27.to.2layhid3	-9.096266e-01
## 1layhid28.to.2layhid3	1.033487e+00
## 1layhid29.to.2layhid3	9.436973e-01
## 1layhid30.to.2layhid3	7.601167e-01
## 1layhid31.to.2layhid3	1.203223e+00
## 1layhid32.to.2layhid3	-3.465321e-01
## 1layhid33.to.2layhid3	-2.725968e-01
## 1layhid34.to.2layhid3	4.000934e-01
## 1layhid35.to.2layhid3	2.218183e+00
## 1layhid36.to.2layhid3	-9.111026e-01
## 1layhid37.to.2layhid3	1.682686e+00
## 1layhid38.to.2layhid3	-2.929872e+01
## 1layhid39.to.2layhid3	4.457520e+00
## 1layhid40.to.2layhid3	-6.611491e-01
## 1layhid41.to.2layhid3	-1.616134e+00
## 1layhid42.to.2layhid3	-3.426292e-01
## 1layhid43.to.2layhid3	6.879607e-02
## 1layhid44.to.2layhid3	7.890292e-02
## 1layhid45.to.2layhid3	2.882669e+00
## 1layhid46.to.2layhid3	-5.859565e-01
## 1layhid47.to.2layhid3	-1.247674e+00

## 1layhid48.to.2layhid3	-4.615324e-03
## 1layhid49.to.2layhid3	-2.821504e+00
## 1layhid50.to.2layhid3	-2.457085e+00
## Intercept.to.2layhid4	-1.471346e+00
## 1layhid1.to.2layhid4	1.595517e-01
## 1layhid2.to.2layhid4	1.290008e+00
## 1layhid3.to.2layhid4	1.640702e+00
## 1layhid4.to.2layhid4	-4.756636e+00
## 1layhid5.to.2layhid4	-3.920033e-01
## 1layhid6.to.2layhid4	2.029083e+00
## 1layhid7.to.2layhid4	6.874992e-01
## 1layhid8.to.2layhid4	2.584270e-01
## 1layhid9.to.2layhid4	-6.988434e-01
## 1layhid10.to.2layhid4	-1.634964e+00
## 1layhid11.to.2layhid4	2.724851e-01
## 1layhid12.to.2layhid4	4.325104e-01
## 1layhid13.to.2layhid4	1.879778e+00
## 1layhid14.to.2layhid4	-7.409533e-01
## 1layhid15.to.2layhid4	-1.540210e-01
## 1layhid16.to.2layhid4	3.533435e-01
## 1layhid17.to.2layhid4	-1.385394e+00
## 1layhid18.to.2layhid4	-3.875596e+00
## 1layhid19.to.2layhid4	1.317158e+00
## 1layhid20.to.2layhid4	3.112192e-01
## 1layhid21.to.2layhid4	-1.553525e+00
## 1layhid22.to.2layhid4	-4.957032e-01
## 1layhid23.to.2layhid4	5.254407e-01
## 1layhid24.to.2layhid4	1.888950e-01
## 1layhid25.to.2layhid4	3.783548e-01
## 1layhid26.to.2layhid4	2.612324e-01
## 1layhid27.to.2layhid4	6.976022e-01
## 1layhid28.to.2layhid4	-1.095583e+00
## 1layhid29.to.2layhid4	-2.024280e+00
## 1layhid30.to.2layhid4	3.831718e-01
## 1layhid31.to.2layhid4	-1.604956e+00
## 1layhid32.to.2layhid4	-6.773732e-01
## 1layhid33.to.2layhid4	-2.401600e-01
## 1layhid34.to.2layhid4	-3.211211e-01
## 1layhid35.to.2layhid4	3.111546e+00
## 1layhid36.to.2layhid4	1.693833e+00
## 1layhid37.to.2layhid4	-3.140893e-01
## 1layhid38.to.2layhid4	7.146045e-01
## 1layhid39.to.2layhid4	5.861716e+00
## 1layhid40.to.2layhid4	3.561351e-01
## 1layhid41.to.2layhid4	-1.167139e+00
## 1layhid42.to.2layhid4	-1.652760e+00
## 1layhid43.to.2layhid4	8.894487e-01
## 1layhid44.to.2layhid4	-6.358255e-02
## 1layhid45.to.2layhid4	2.756157e+00
## 1layhid46.to.2layhid4	-6.101542e-01
## 1layhid47.to.2layhid4	4.770474e-01
## 1layhid48.to.2layhid4	3.867475e+00
## 1layhid49.to.2layhid4	-1.041202e+00
## 1layhid50.to.2layhid4	-9.534797e-01

## Intercept.to.2layhid5	-4.586447e-01
## 1layhid1.to.2layhid5	6.988302e-02
## 1layhid2.to.2layhid5	-4.376765e+00
## 1layhid3.to.2layhid5	5.772566e+00
## 1layhid4.to.2layhid5	-2.166924e+01
## 1layhid5.to.2layhid5	1.385453e+00
## 1layhid6.to.2layhid5	-3.142750e-01
## 1layhid7.to.2layhid5	-1.758866e+00
## 1layhid8.to.2layhid5	1.458566e+00
## 1layhid9.to.2layhid5	-2.684905e-01
## 1layhid10.to.2layhid5	-3.605224e-01
## 1layhid11.to.2layhid5	2.358511e-01
## 1layhid12.to.2layhid5	-1.063827e+00
## 1layhid13.to.2layhid5	4.931135e-01
## 1layhid14.to.2layhid5	2.389835e+00
## 1layhid15.to.2layhid5	-6.247133e-01
## 1layhid16.to.2layhid5	-4.856685e-01
## 1layhid17.to.2layhid5	1.290761e+00
## 1layhid18.to.2layhid5	-5.819482e-01
## 1layhid19.to.2layhid5	-1.523540e-01
## 1layhid20.to.2layhid5	-1.981421e+00
## 1layhid21.to.2layhid5	1.587338e-02
## 1layhid22.to.2layhid5	4.299916e-01
## 1layhid23.to.2layhid5	8.707950e-02
## 1layhid24.to.2layhid5	-3.282457e-01
## 1layhid25.to.2layhid5	8.897651e-01
## 1layhid26.to.2layhid5	-1.073347e+00
## 1layhid27.to.2layhid5	-2.627124e+00
## 1layhid28.to.2layhid5	1.662610e+00
## 1layhid29.to.2layhid5	-3.446260e+00
## 1layhid30.to.2layhid5	-1.774764e-01
## 1layhid31.to.2layhid5	1.153511e+00
## 1layhid32.to.2layhid5	-4.911467e-01
## 1layhid33.to.2layhid5	-1.542558e-01
## 1layhid34.to.2layhid5	1.408938e+00
## 1layhid35.to.2layhid5	-5.687406e-01
## 1layhid36.to.2layhid5	2.136766e+00
## 1layhid37.to.2layhid5	3.716630e-01
## 1layhid38.to.2layhid5	1.731667e+00
## 1layhid39.to.2layhid5	5.171759e+00
## 1layhid40.to.2layhid5	-8.264364e-01
## 1layhid41.to.2layhid5	-1.116109e+00
## 1layhid42.to.2layhid5	-1.747490e-01
## 1layhid43.to.2layhid5	1.901611e+00
## 1layhid44.to.2layhid5	-1.875551e-01
## 1layhid45.to.2layhid5	-3.209527e+00
## 1layhid46.to.2layhid5	-4.837157e-01
## 1layhid47.to.2layhid5	1.733888e+00
## 1layhid48.to.2layhid5	-9.631792e-01
## 1layhid49.to.2layhid5	-2.807578e+00
## 1layhid50.to.2layhid5	-4.843787e-01
## Intercept.to.2layhid6	5.508538e-02
## 1layhid1.to.2layhid6	-1.098062e+00
## 1layhid2.to.2layhid6	-9.505183e-01

## 1layhid3.to.2layhid6	1.419942e+00
## 1layhid4.to.2layhid6	-9.112534e-02
## 1layhid5.to.2layhid6	-2.081123e+00
## 1layhid6.to.2layhid6	-7.121881e-01
## 1layhid7.to.2layhid6	-2.182603e+00
## 1layhid8.to.2layhid6	2.496890e-01
## 1layhid9.to.2layhid6	1.062775e+00
## 1layhid10.to.2layhid6	2.091946e+00
## 1layhid11.to.2layhid6	1.609652e+00
## 1layhid12.to.2layhid6	-1.203405e+00
## 1layhid13.to.2layhid6	-7.078791e-01
## 1layhid14.to.2layhid6	3.479170e-01
## 1layhid15.to.2layhid6	-8.713286e-01
## 1layhid16.to.2layhid6	1.776144e-01
## 1layhid17.to.2layhid6	-5.961412e-01
## 1layhid18.to.2layhid6	-2.443851e-01
## 1layhid19.to.2layhid6	5.971225e-01
## 1layhid20.to.2layhid6	1.915975e+00
## 1layhid21.to.2layhid6	-1.217094e+00
## 1layhid22.to.2layhid6	-8.767380e-01
## 1layhid23.to.2layhid6	6.939795e-02
## 1layhid24.to.2layhid6	1.479874e-01
## 1layhid25.to.2layhid6	-9.526274e-02
## 1layhid26.to.2layhid6	4.339056e+00
## 1layhid27.to.2layhid6	-1.799179e-01
## 1layhid28.to.2layhid6	2.635332e+00
## 1layhid29.to.2layhid6	3.202876e-01
## 1layhid30.to.2layhid6	-4.791684e-01
## 1layhid31.to.2layhid6	3.707802e-01
## 1layhid32.to.2layhid6	8.255339e-02
## 1layhid33.to.2layhid6	1.884175e+00
## 1layhid34.to.2layhid6	-4.836031e-01
## 1layhid35.to.2layhid6	3.161430e-02
## 1layhid36.to.2layhid6	-3.084764e-01
## 1layhid37.to.2layhid6	-1.406309e+00
## 1layhid38.to.2layhid6	-1.472876e+00
## 1layhid39.to.2layhid6	-3.414215e+00
## 1layhid40.to.2layhid6	3.169373e+00
## 1layhid41.to.2layhid6	-8.045453e-01
## 1layhid42.to.2layhid6	2.029393e-01
## 1layhid43.to.2layhid6	-1.456169e+00
## 1layhid44.to.2layhid6	5.284102e-01
## 1layhid45.to.2layhid6	-1.431087e-01
## 1layhid46.to.2layhid6	3.589286e-01
## 1layhid47.to.2layhid6	5.390204e-01
## 1layhid48.to.2layhid6	-1.020455e+00
## 1layhid49.to.2layhid6	-4.845468e-01
## 1layhid50.to.2layhid6	-3.974675e-01
## Intercept.to.2layhid7	5.746082e-01
## 1layhid1.to.2layhid7	3.532942e-01
## 1layhid2.to.2layhid7	-2.622570e+00
## 1layhid3.to.2layhid7	9.111216e-01
## 1layhid4.to.2layhid7	1.551473e+00
## 1layhid5.to.2layhid7	-6.175619e-01

## 1layhid6.to.2layhid7	1.530013e+00
## 1layhid7.to.2layhid7	-9.035917e-01
## 1layhid8.to.2layhid7	-1.291724e+00
## 1layhid9.to.2layhid7	2.591210e-02
## 1layhid10.to.2layhid7	3.503041e-01
## 1layhid11.to.2layhid7	8.352782e-01
## 1layhid12.to.2layhid7	-1.079454e+00
## 1layhid13.to.2layhid7	6.294370e-01
## 1layhid14.to.2layhid7	-2.506722e-01
## 1layhid15.to.2layhid7	-1.150266e+00
## 1layhid16.to.2layhid7	-1.202236e+00
## 1layhid17.to.2layhid7	4.017648e-01
## 1layhid18.to.2layhid7	1.217150e+00
## 1layhid19.to.2layhid7	4.972850e-01
## 1layhid20.to.2layhid7	-5.249956e-03
## 1layhid21.to.2layhid7	-6.369166e-01
## 1layhid22.to.2layhid7	3.356175e-01
## 1layhid23.to.2layhid7	-4.117834e-01
## 1layhid24.to.2layhid7	5.606482e-01
## 1layhid25.to.2layhid7	1.552355e-01
## 1layhid26.to.2layhid7	-1.463493e+00
## 1layhid27.to.2layhid7	-1.293498e+00
## 1layhid28.to.2layhid7	3.507132e-01
## 1layhid29.to.2layhid7	6.569091e-01
## 1layhid30.to.2layhid7	9.554514e-01
## 1layhid31.to.2layhid7	-1.064036e+00
## 1layhid32.to.2layhid7	-6.048146e-01
## 1layhid33.to.2layhid7	-2.520469e-01
## 1layhid34.to.2layhid7	-1.132798e+00
## 1layhid35.to.2layhid7	-4.211972e-01
## 1layhid36.to.2layhid7	-9.366385e-01
## 1layhid37.to.2layhid7	-6.258418e-01
## 1layhid38.to.2layhid7	2.034247e-01
## 1layhid39.to.2layhid7	6.772436e-02
## 1layhid40.to.2layhid7	8.994531e-01
## 1layhid41.to.2layhid7	3.014053e-01
## 1layhid42.to.2layhid7	-6.312832e-01
## 1layhid43.to.2layhid7	4.263554e-02
## 1layhid44.to.2layhid7	1.535286e+00
## 1layhid45.to.2layhid7	1.045810e+00
## 1layhid46.to.2layhid7	8.284230e-01
## 1layhid47.to.2layhid7	1.326732e-01
## 1layhid48.to.2layhid7	-6.256108e-01
## 1layhid49.to.2layhid7	-4.393758e-01
## 1layhid50.to.2layhid7	7.338409e-01
## Intercept.to.2layhid8	6.781360e-01
## 1layhid1.to.2layhid8	2.385983e-01
## 1layhid2.to.2layhid8	-1.478818e+00
## 1layhid3.to.2layhid8	2.293059e+00
## 1layhid4.to.2layhid8	5.612669e+00
## 1layhid5.to.2layhid8	7.313365e-01
## 1layhid6.to.2layhid8	-6.247743e-01
## 1layhid7.to.2layhid8	-4.806245e-01
## 1layhid8.to.2layhid8	2.145507e-02

## 1layhid9.to.2layhid8	6.766805e-02
## 1layhid10.to.2layhid8	-6.743299e-01
## 1layhid11.to.2layhid8	-3.936315e-01
## 1layhid12.to.2layhid8	6.073882e-01
## 1layhid13.to.2layhid8	8.959698e-01
## 1layhid14.to.2layhid8	-8.442885e-01
## 1layhid15.to.2layhid8	-6.426581e-01
## 1layhid16.to.2layhid8	9.494578e-01
## 1layhid17.to.2layhid8	4.377945e-01
## 1layhid18.to.2layhid8	9.656042e-01
## 1layhid19.to.2layhid8	-2.107852e+00
## 1layhid20.to.2layhid8	-8.820028e-01
## 1layhid21.to.2layhid8	-1.702771e+00
## 1layhid22.to.2layhid8	1.234950e-01
## 1layhid23.to.2layhid8	2.898407e-01
## 1layhid24.to.2layhid8	-1.112974e+00
## 1layhid25.to.2layhid8	6.199100e-01
## 1layhid26.to.2layhid8	2.396136e-01
## 1layhid27.to.2layhid8	-1.583281e+00
## 1layhid28.to.2layhid8	1.384155e+00
## 1layhid29.to.2layhid8	1.806990e+00
## 1layhid30.to.2layhid8	-1.903216e+00
## 1layhid31.to.2layhid8	-1.722893e+00
## 1layhid32.to.2layhid8	-1.437726e+00
## 1layhid33.to.2layhid8	8.316208e-01
## 1layhid34.to.2layhid8	-1.168492e+00
## 1layhid35.to.2layhid8	2.189822e-01
## 1layhid36.to.2layhid8	8.376682e-01
## 1layhid37.to.2layhid8	-4.243510e-01
## 1layhid38.to.2layhid8	1.909380e+00
## 1layhid39.to.2layhid8	5.183758e-01
## 1layhid40.to.2layhid8	-9.865534e-01
## 1layhid41.to.2layhid8	-7.143757e-01
## 1layhid42.to.2layhid8	-1.154686e+00
## 1layhid43.to.2layhid8	-2.628384e-01
## 1layhid44.to.2layhid8	8.515542e-02
## 1layhid45.to.2layhid8	-2.337802e+00
## 1layhid46.to.2layhid8	1.928791e-01
## 1layhid47.to.2layhid8	7.080006e-01
## 1layhid48.to.2layhid8	9.043860e-01
## 1layhid49.to.2layhid8	1.761895e+00
## 1layhid50.to.2layhid8	1.398128e+00
## Intercept.to.2layhid9	4.455422e-02
## 1layhid1.to.2layhid9	2.307650e+00
## 1layhid2.to.2layhid9	-2.990214e+00
## 1layhid3.to.2layhid9	-7.380825e-01
## 1layhid4.to.2layhid9	-1.295294e+01
## 1layhid5.to.2layhid9	-8.715236e-01
## 1layhid6.to.2layhid9	6.739664e-01
## 1layhid7.to.2layhid9	7.405815e-01
## 1layhid8.to.2layhid9	-1.703520e+00
## 1layhid9.to.2layhid9	1.097611e+00
## 1layhid10.to.2layhid9	6.078216e+00
## 1layhid11.to.2layhid9	1.998792e-01

## 1layhid12.to.2layhid9	-3.082579e-01
## 1layhid13.to.2layhid9	7.251995e-01
## 1layhid14.to.2layhid9	1.031100e+00
## 1layhid15.to.2layhid9	7.498322e-01
## 1layhid16.to.2layhid9	4.607589e-01
## 1layhid17.to.2layhid9	-1.014662e+00
## 1layhid18.to.2layhid9	2.514089e+01
## 1layhid19.to.2layhid9	1.867102e+00
## 1layhid20.to.2layhid9	6.593271e-02
## 1layhid21.to.2layhid9	-7.606267e-01
## 1layhid22.to.2layhid9	-8.540399e-01
## 1layhid23.to.2layhid9	-6.499106e-01
## 1layhid24.to.2layhid9	1.476638e+00
## 1layhid25.to.2layhid9	2.318804e-01
## 1layhid26.to.2layhid9	1.615146e+00
## 1layhid27.to.2layhid9	3.418453e-02
## 1layhid28.to.2layhid9	1.662768e-01
## 1layhid29.to.2layhid9	-2.487714e+00
## 1layhid30.to.2layhid9	-1.343759e+00
## 1layhid31.to.2layhid9	-1.695872e+00
## 1layhid32.to.2layhid9	-7.825070e-01
## 1layhid33.to.2layhid9	-7.558850e-01
## 1layhid34.to.2layhid9	5.951021e-01
## 1layhid35.to.2layhid9	-1.561541e+00
## 1layhid36.to.2layhid9	2.111382e+00
## 1layhid37.to.2layhid9	-1.388668e+00
## 1layhid38.to.2layhid9	1.170127e+01
## 1layhid39.to.2layhid9	-3.621424e+00
## 1layhid40.to.2layhid9	9.810598e-01
## 1layhid41.to.2layhid9	-9.816184e-01
## 1layhid42.to.2layhid9	-5.429751e-01
## 1layhid43.to.2layhid9	9.173639e-01
## 1layhid44.to.2layhid9	1.478205e+00
## 1layhid45.to.2layhid9	1.816102e+00
## 1layhid46.to.2layhid9	8.891905e-01
## 1layhid47.to.2layhid9	-2.379646e-02
## 1layhid48.to.2layhid9	8.480682e-01
## 1layhid49.to.2layhid9	2.063182e+00
## 1layhid50.to.2layhid9	-1.066866e+00
## Intercept.to.2layhid10	7.057983e-01
## 1layhid1.to.2layhid10	8.279008e-02
## 1layhid2.to.2layhid10	-9.985787e-02
## 1layhid3.to.2layhid10	-7.175222e-01
## 1layhid4.to.2layhid10	-2.230702e-02
## 1layhid5.to.2layhid10	6.737660e-01
## 1layhid6.to.2layhid10	-1.695073e-01
## 1layhid7.to.2layhid10	1.011749e+00
## 1layhid8.to.2layhid10	-1.043138e+00
## 1layhid9.to.2layhid10	-1.084429e-01
## 1layhid10.to.2layhid10	9.852214e-01
## 1layhid11.to.2layhid10	-1.165263e+00
## 1layhid12.to.2layhid10	3.372819e-01
## 1layhid13.to.2layhid10	-1.902765e+00
## 1layhid14.to.2layhid10	1.511794e-02

```
## 1layhid15.to.2layhid10 -1.401150e-01
## 1layhid16.to.2layhid10 -1.070128e+00
## 1layhid17.to.2layhid10 -1.018490e+00
## 1layhid18.to.2layhid10 -2.612773e-01
## 1layhid19.to.2layhid10 6.054919e-01
## 1layhid20.to.2layhid10 1.890114e+00
## 1layhid21.to.2layhid10 -5.963693e-01
## 1layhid22.to.2layhid10 -1.192956e+00
## 1layhid23.to.2layhid10 1.392176e+00
## 1layhid24.to.2layhid10 -5.986271e-01
## 1layhid25.to.2layhid10 -1.553568e-01
## 1layhid26.to.2layhid10 3.793973e-01
## 1layhid27.to.2layhid10 -1.243072e-01
## 1layhid28.to.2layhid10 4.991387e-01
## 1layhid29.to.2layhid10 8.186523e-02
## 1layhid30.to.2layhid10 -3.012594e-01
## 1layhid31.to.2layhid10 -7.509156e-01
## 1layhid32.to.2layhid10 3.023340e+00
## 1layhid33.to.2layhid10 -8.360257e-02
## 1layhid34.to.2layhid10 1.469023e+00
## 1layhid35.to.2layhid10 -6.528514e-01
## 1layhid36.to.2layhid10 8.547330e-01
## 1layhid37.to.2layhid10 7.545103e-01
## 1layhid38.to.2layhid10 1.332266e+00
## 1layhid39.to.2layhid10 1.398158e-01
## 1layhid40.to.2layhid10 1.375609e+00
## 1layhid41.to.2layhid10 -2.330005e+00
## 1layhid42.to.2layhid10 -8.631432e-01
## 1layhid43.to.2layhid10 -2.313728e+00
## 1layhid44.to.2layhid10 -9.690106e-02
## 1layhid45.to.2layhid10 -1.798668e-01
## 1layhid46.to.2layhid10 -1.397665e+00
## 1layhid47.to.2layhid10 4.671938e-01
## 1layhid48.to.2layhid10 -1.540723e+00
## 1layhid49.to.2layhid10 1.440800e+00
## 1layhid50.to.2layhid10 -5.807973e-01
## Intercept.to.vital_status_Alive 4.675735e-02
## 2layhid1.to.vital_status_Alive 1.221529e+01
## 2layhid2.to.vital_status_Alive 8.541864e+00
## 2layhid3.to.vital_status_Alive 7.993486e-01
## 2layhid4.to.vital_status_Alive -5.074512e-01
## 2layhid5.to.vital_status_Alive 1.668603e-01
## 2layhid6.to.vital_status_Alive 1.257202e+00
## 2layhid7.to.vital_status_Alive 1.654504e+00
## 2layhid8.to.vital_status_Alive 1.405565e+00
## 2layhid9.to.vital_status_Alive -6.661978e-01
## 2layhid10.to.vital_status_Alive -8.384894e+00
```

```
# Testing the resulting output
prediction_threshold <- 0.5
nn.results <- compute(nn, test_nn_temp)

prediction <- nn.results$net.result
prediction[prediction >= prediction_threshold] <- 1
```



```

prediction[prediction < prediction_threshold] <- 0
prediction <- c(prediction)
actual <- test_nn$vital_status_Alive

confusionMatrix(factor(prediction), factor(actual))

```

```

## Confusion Matrix and Statistics
##
##           Reference
## Prediction    0    1
##           0  367  184
##           1  682 2544
##
##           Accuracy : 0.7707
##           95% CI : (0.757, 0.784)
##    No Information Rate : 0.7223
##    P-Value [Acc > NIR] : 6.972e-12
##
##           Kappa : 0.3307
##
## Mcnemar's Test P-Value : < 2.2e-16
##
##           Sensitivity : 0.34986
##           Specificity : 0.93255
##           Pos Pred Value : 0.66606
##           Neg Pred Value : 0.78859
##           Prevalence : 0.27773
##           Detection Rate : 0.09717
##    Detection Prevalence : 0.14588
##           Balanced Accuracy : 0.64120
##
##           'Positive' Class : 0
##

```