Processing

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Imports

```
library(tidyverse)
library(readxl)
library(yaml)
```

Loading files

```
df <- read_excel("../data/BD Marcapasso_09jun22.xlsx") %>% select(-record_id)
df_names <- read_excel("../data/Dicionario_dados_BD Marcapasso_09jun22.xlsx")</pre>
```

Fixing data dictionary

```
#
# (df$date_procedure_1 - df$date_admission_t0) / (60 * 60 * 24)
```

Separating columns by type

```
categorical columns <- df names %>%
  filter(stringr::str_detect(options..definition, '\\|')) %>%
  .$variable.name
date_columns <- df_names %>%
  filter(options..definition == 'data') %>%
  .$variable.name
location_columns <- c('zipcode', 'patient_city')</pre>
other_columns <- c('record_id')</pre>
numerical columns <- setdiff(names(df),</pre>
                              c(categorical_columns, date_columns,
                                location_columns, other_columns))
outcome_columns <- df_names %>% filter(...6 == 'Desfecho de interesse') %>% .$variable.name
columns_list <- list('categorical_columns' = categorical_columns,</pre>
                      'numerical_columns' = numerical_columns,
                      'date_columns' = date_columns,
                      'location_columns' = location_columns,
                      'outcome_columns' = outcome_columns)
con <- file('./auxiliar/columns_list.yaml', "w")</pre>
write_yaml(columns_list, con)
close(con)
```

Recalculating outcome columns for modeling

Saving processed data

```
saveRDS(df, "../data/processed_data.rds")
saveRDS(df_names, "../data/processed_dictionary.rds")
```