

# Tables

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## Imports

```
library(tidyverse)
library(yaml)
library(kableExtra)
```

## Loading data

```
# df <- readRDS('../dataset/processed_data.rds')
# df_names <- readRDS('../dataset/processed_dictionary.rds')

load('../dataset/processed_data.RData')
load('../dataset/processed_dictionary.RData')

columns_list <- yaml.load_file("../auxiliar/columns_list.yaml")

outcome_column <- params$outcome_column

df %>%
  select(date_procedure_1, date_procedure_2) %>%
  filter(date_procedure_2 < date_procedure_1)

## # A tibble: 0 x 2
## # ... with 2 variables: date_procedure_1 <dtm>, date_procedure_2 <dtm>
```

## Numerical variables

```
medianWithoutNA <- function(x) {
  median(x[which(!is.na(x))])
}
i = 0
for (column in columns_list$numerical_columns){
  df %>%
    group_by_at(vars(one_of(outcome_column))) %>%
    summarise('Mean' = mean(!sym(column), na.rm = T),
              'Min' = min(!sym(column), na.rm = T),
              'Median' = medianWithoutNA(!sym(column)),
              'Max' = max(!sym(column), na.rm = T),
              'Standard Deviation' = sd(!sym(column), na.rm = T),
              'N' = n(),
              'Missing' = sum(is.na(!sym(column)))) %>%
    ungroup %>%
    mutate(Min = ifelse(is.infinite(Min), NA, Min),
           Max = ifelse(is.infinite(Max), NA, Max)) %>%
    kbl(align = "l", booktabs = T, digits = 3, format = 'latex', label = i,
        caption = df_names %>% filter(variable.name == column) %>% .$field.label) %>%
    column_spec(1, bold = T, width = "8em") %>%
    row_spec(c(1) - 1, extra_latex_after = "\\rowcolor{gray!6}") %>%
```

```
collapse_rows(1, latex_hline = "none") %>%
kable_styling(latex_options = c("HOLD_position", "repeat_header")) %>%
print

i <- i + 1
}
```

Table 1: Idade no momento do primeiro procedimento

readmission_180d	Mean	Min	Median	Max	Standard Deviation	N	Missing
<b>0</b>	65.775	0	69.1	110.6	17.764	14534	0
<b>1</b>	63.157	0	66.9	98.8	19.702	1499	0

Table 2: Número de comorbidades

readmission_180d	Mean	Min	Median	Max	Standard Deviation	N	Missing
<b>0</b>	1.227	0	1	8	1.335	14534	0
<b>1</b>	1.624	0	1	8	1.540	1499	0

Table 3: Ano do procedimento 1

readmission_180d	Mean	Min	Median	Max	Standard Deviation	N	Missing
<b>0</b>	2010.615	1999	2010	2021	5.814	14534	0
<b>1</b>	2010.413	1999	2010	2021	5.411	1499	0

Table 4: Idade no Procedimento 1

readmission_180d	Mean	Min	Median	Max	Standard Deviation	N	Missing
<b>0</b>	65.775	0	69.1	110.6	17.764	14534	0
<b>1</b>	63.157	0	66.9	98.8	19.702	1499	0

Table 5: Ano do procedimento 2

readmission_180d	Mean	Min	Median	Max	Standard Deviation	N	Missing
<b>0</b>	2013.361	1999	2013	2022	4.464	14534	10248
<b>1</b>	2011.044	1999	2011	2022	5.700	1499	905

Table 6: Idade no Procedimento 2

readmission_180d	Mean	Min	Median	Max	Standard Deviation	N	Missing
<b>0</b>	65.625	0.4	69.6	108.7	19.170	14534	10247
<b>1</b>	61.508	0.0	64.6	97.1	19.611	1499	905

Table 7: Ano do procedimento 3

readmission_180d	Mean	Min	Median	Max	Standard Deviation	N	Missing
<b>0</b>	2014.762	1999	2015	2022	4.473	14534	13300
<b>1</b>	2012.077	2002	2012	2022	5.630	1499	1253

Table 8: Idade no Procedimento 3

readmission_180d	Mean	Min	Median	Max	Standard Deviation	N	Missing
<b>0</b>	62.218	3.9	66.1	101.1	20.781	14534	13300
<b>1</b>	61.113	0.4	65.6	97.6	20.659	1499	1253

Table 9: Ano do procedimento 4

readmission_180d	Mean	Min	Median	Max	Standard Deviation	N	Missing
<b>0</b>	2014.770	2002	2015	2022	4.538	14534	14156
<b>1</b>	2013.346	2002	2014	2022	5.539	1499	1392

Table 10: Idade no Procedimento 4

readmission_180d	Mean	Min	Median	Max	Standard Deviation	N	Missing
<b>0</b>	58.980	4.3	63.0	97.7	21.850	14534	14156
<b>1</b>	61.889	1.9	66.6	96.9	22.134	1499	1392

Table 11: Ano do procedimento 5

readmission_180d	Mean	Min	Median	Max	Standard Deviation	N	Missing
<b>0</b>	2014.667	2004	2015	2022	3.866	14534	14375
<b>1</b>	2012.121	2003	2012	2021	5.042	1499	1466

Table 12: Idade no Procedimento 5

readmission_180d	Mean	Min	Median	Max	Standard Deviation	N	Missing
<b>0</b>	58.075	6.3	62.0	99.7	21.734	14534	14375
<b>1</b>	56.691	3.2	65.4	86.3	23.771	1499	1466

Table 13: Ano do procedimento 6

readmission_180d	Mean	Min	Median	Max	Standard Deviation	N	Missing
<b>0</b>	2015.508	2004	2017	2021	4.265	14534	14469
<b>1</b>	2011.765	2003	2012	2020	4.338	1499	1482

Table 14: Idade no Procedimento 6

readmission_180d	Mean	Min	Median	Max	Standard Deviation	N	Missing
<b>0</b>	56.663	6.6	58.8	101.6	22.270	14534	14469
<b>1</b>	52.388	10.9	58.4	84.2	22.618	1499	1482

Table 15: Ano do procedimento 7

readmission_180d	Mean	Min	Median	Max	Standard Deviation	N	Missing
<b>0</b>	2016.560	2007	2018	2022	4.341	14534	14509
<b>1</b>	2012.429	2010	2012	2015	1.988	1499	1492

Table 16: Idade no Procedimento 7

readmission_180d	Mean	Min	Median	Max	Standard Deviation	N	Missing
<b>0</b>	50.248	8.8	55.4	81.8	21.827	14534	14509
<b>1</b>	54.743	28.7	63.9	78.8	17.993	1499	1492

Table 17: Ano do procedimento 8

readmission_180d	Mean	Min	Median	Max	Standard Deviation	N	Missing
<b>0</b>	1	1	1	1	0	14534	14524
<b>1</b>	1	1	1	1	0	1499	1497

Table 18: Idade no Procedimento 8

readmission_180d	Mean	Min	Median	Max	Standard Deviation	N	Missing
<b>0</b>	1	1	1	1	0	14534	14524
<b>1</b>	1	1	1	1	0	1499	1497

Table 19: Ano do procedimento 9

readmission_180d	Mean	Min	Median	Max	Standard Deviation	N	Missing
<b>0</b>	1	1	TRUE	1	0	14534	14529
<b>1</b>	NaN	NA	NA	NA	NA	1499	1499

Table 20: Idade no Procedimento 9

readmission_180d	Mean	Min	Median	Max	Standard Deviation	N	Missing
<b>0</b>	1	1	TRUE	1	0	14534	14529
<b>1</b>	NaN	NA	NA	NA	NA	1499	1499

Table 21: Ano do procedimento 10

readmission_180d	Mean	Min	Median	Max	Standard Deviation	N	Missing
<b>0</b>	1	1	TRUE	1	NA	14534	14533
<b>1</b>	NaN	NA	NA	NA	NA	1499	1499

Table 22: Idade no Procedimento 10

readmission_180d	Mean	Min	Median	Max	Standard Deviation	N	Missing
<b>0</b>	1	1	TRUE	1	NA	14534	14533
<b>1</b>	NaN	NA	NA	NA	NA	1499	1499

Table 23: Tempo entre o P1 e P2 (meses)

readmission_180d	Mean	Min	Median	Max	Standard Deviation	N	Missing
<b>0</b>	80.010	0	87.8	197.1	35.673	14534	10247
<b>1</b>	22.542	0	3.0	155.5	35.888	1499	905

Table 24: Tempo entre o P2 e P3 (meses)

readmission_180d	Mean	Min	Median	Max	Standard Deviation	N	Missing
<b>0</b>	58.131	0	63.25	170.5	38.830	14534	13300
<b>1</b>	42.600	0	32.40	132.5	41.966	1499	1253

Table 25: Tempo entre o P3 e P4 (meses)

readmission_180d	Mean	Min	Median	Max	Standard Deviation	N	Missing
<b>0</b>	37.952	0.0	29.1	142.7	38.377	14534	14157
<b>1</b>	45.307	0.1	34.4	137.4	44.330	1499	1392

Table 26: Tempo entre o P4 e P5 (meses)

readmission_180d	Mean	Min	Median	Max	Standard Deviation	N	Missing
<b>0</b>	32.084	0.0	7.2	127.6	37.006	14534	14375
<b>1</b>	33.845	0.1	4.9	144.3	45.270	1499	1466

Table 27: Tempo entre o P5 e P6 (meses)

readmission_180d	Mean	Min	Median	Max	Standard Deviation	N	Missing
<b>0</b>	29.898	0.0	6.2	110.3	36.230	14534	14469
<b>1</b>	18.747	0.1	3.1	82.4	27.081	1499	1482

Table 28: Tempo entre o P6 e P7 (meses)

readmission_180d	Mean	Min	Median	Max	Standard Deviation	N	Missing
<b>0</b>	38.608	0.0	4.0	142.3	45.693	14534	14509
<b>1</b>	6.071	0.1	3.9	24.2	8.540	1499	1492

Table 29: Tempo entre o P7 e P8 (meses)

readmission_180d	Mean	Min	Median	Max	Standard Deviation	N	Missing
<b>0</b>	0.6	0	1	1	0.516	14534	14524
<b>1</b>	1.0	1	1	1	0.000	1499	1497

Table 30: Tempo entre o P8 e P9 (meses)

readmission_180d	Mean	Min	Median	Max	Standard Deviation	N	Missing
<b>0</b>	1	1	TRUE	1	0	14534	14529
<b>1</b>	NaN	NA	NA	NA	NA	1499	1499

Table 31: Tempo entre o P9 e P10 (meses)

readmission_180d	Mean	Min	Median	Max	Standard Deviation	N	Missing
<b>0</b>	1	1	TRUE	1	NA	14534	14533
<b>1</b>	NaN	NA	NA	NA	NA	1499	1499

Table 32: Número de Mudanças do tipo de DCEI

readmission_180d	Mean	Min	Median	Max	Standard Deviation	N	Missing
<b>0</b>	0.084	0	0	3	0.292	14534	10249
<b>1</b>	0.108	0	0	2	0.327	1499	907

Table 33: Número de atendimentos

readmission_180d	Mean	Min	Median	Max	Standard Deviation	N	Missing
<b>0</b>	2.135	1	2	39	1.837	14534	0
<b>1</b>	4.718	2	3	51	3.759	1499	0

Table 34: Número da Admissão T0 (admissão índice)

readmission_180d	Mean	Min	Median	Max	Standard Deviation	N	Missing
<b>0</b>	1.384	1	1	32	0.994	14534	0
<b>1</b>	2.019	1	1	17	1.954	1499	0

Table 35: Núm. de episódios de hospitalizações pós-procedimento

readmission_180d	Mean	Min	Median	Max	Standard Deviation	N	Missing
<b>0</b>	0.668	0	0	24	1.355	14534	0
<b>1</b>	2.651	0	2	50	3.002	1499	0

Table 36: Núm. de episódios de hospitalizações pré-procedimento

readmission_180d	Mean	Min	Median	Max	Standard Deviation	N	Missing
<b>0</b>	0.494	-1	0	38	1.125	14534	0
<b>1</b>	1.071	0	0	17	2.029	1499	0

Table 37: Ano da admissão T0

readmission_180d	Mean	Min	Median	Max	Standard Deviation	N	Missing
<b>0</b>	2010.608	1999	2010	2021	5.816	14534	16
<b>1</b>	2010.396	1999	2010	2021	5.407	1499	4

Table 38: Readmissão em até 30 dias

readmission_180d	Mean	Min	Median	Max	Standard Deviation	N	Missing
<b>0</b>	0.000	0	0	0	0.000	14534	0
<b>1</b>	0.405	0	0	1	0.491	1499	0

Table 39: Readmissão entre 31 a 60 dias

readmission_180d	Mean	Min	Median	Max	Standard Deviation	N	Missing
<b>0</b>	0.000	0	0	0	0.000	14534	0
<b>1</b>	0.608	0	1	1	0.488	1499	0

Table 40: Readmissão entre 61 a 180 dias

readmission_180d	Mean	Min	Median	Max	Standard Deviation	N	Missing
<b>0</b>	0	0	0	0	0	14534	0
<b>1</b>	1	1	1	1	0	1499	0

Table 41: Readmissão em até 1 ano

readmission_180d	Mean	Min	Median	Max	Standard Deviation	N	Missing
<b>0</b>	0.036	0	0	1	0.186	14534	0
<b>1</b>	1.000	1	1	1	0.000	1499	0

Table 42: Tempo de seguimento total (anos)

readmission_180d	Mean	Min	Median	Max	Standard Deviation	N	Missing
<b>0</b>	5.922	0	4.5	22.6	5.284	14534	0
<b>1</b>	4.463	0	2.9	22.0	4.687	1499	0

Table 43: Óbito hospitalar (intraoperatório ou admissao T0)

readmission_180d	Mean	Min	Median	Max	Standard Deviation	N	Missing
<b>0</b>	0.018	0	0	1	0.133	14534	0
<b>1</b>	0.000	0	0	0	0.000	1499	0

Table 44: Óbito durante algum episódio de readmissão hospitalar

readmission_180d	Mean	Min	Median	Max	Standard Deviation	N	Missing
<b>0</b>	0.060	0	0	1	0.237	14534	0
<b>1</b>	0.289	0	0	1	0.453	1499	0

Table 45: Óbito em até 30 dias após a alta T0

readmission_180d	Mean	Min	Median	Max	Standard Deviation	N	Missing
<b>0</b>	0.002	0	0	1	0.045	14534	262
<b>1</b>	0.028	0	0	1	0.165	1499	0

Table 46: Óbito em até 180 dias após a alta T0

readmission_180d	Mean	Min	Median	Max	Standard Deviation	N	Missing
<b>0</b>	0.006	0	0	1	0.078	14534	291
<b>1</b>	0.117	0	0	1	0.322	1499	42

Table 47: Óbito em até 1 ano após a alta T0

readmission_180d	Mean	Min	Median	Max	Standard Deviation	N	Missing
<b>0</b>	0.008	0	0	1	0.087	14534	379
<b>1</b>	0.061	0	0	1	0.239	1499	213

Table 48: Óbito em até 2 anos após a alta T0

readmission_180d	Mean	Min	Median	Max	Standard Deviation	N	Missing
<b>0</b>	0.013	0	0	1	0.114	14534	488
<b>1</b>	0.043	0	0	1	0.203	1499	291



Table 49: Óbito em até 3 anos após a alta T0

readmission_180d	Mean	Min	Median	Max	Standard Deviation	N	Missing
<b>0</b>	0.010	0	0	1	0.097	14534	673
<b>1</b>	0.022	0	0	1	0.148	1499	343

Table 50: Óbito (status final)

readmission_180d	Mean	Min	Median	Max	Standard Deviation	N	Missing
<b>0</b>	0.140	0	0	1	0.347	14534	0
<b>1</b>	0.345	0	0	1	0.475	1499	0

Table 51: Tempo de sobrevida (anos)

readmission_180d	Mean	Min	Median	Max	Standard Deviation	N	Missing
<b>0</b>	4.049	0	2.6	20.1	4.242	14534	12988
<b>1</b>	2.026	0	0.6	17.3	2.911	1499	1022

Table 52: Diárias no serviço de Emergência na admissão T0

readmission_180d	Mean	Min	Median	Max	Standard Deviation	N	Missing
<b>0</b>	0.190	0	0	27	1.042	14534	0
<b>1</b>	0.322	0	0	28	1.505	1499	0

Table 53: Anticoagulantes orais

readmission_180d	Mean	Min	Median	Max	Standard Deviation	N	Missing
<b>0</b>	0.203	0	0	98.0	2.045	14534	0
<b>1</b>	0.578	0	0	60.5	3.119	1499	0

Table 54: Antiarrítmicos

readmission_180d	Mean	Min	Median	Max	Standard Deviation	N	Missing
<b>0</b>	2.777	0	0	575	16.228	14534	0
<b>1</b>	8.999	0	0	844	35.498	1499	0

Table 55: Antihipertensivo

readmission_180d	Mean	Min	Median	Max	Standard Deviation	N	Missing
<b>0</b>	0.367	0	0	349	4.784	14534	0
<b>1</b>	0.688	0	0	160	6.325	1499	0

Table 56: Betabloqueador

readmission_180d	Mean	Min	Median	Max	Standard Deviation	N	Missing
<b>0</b>	0.758	0	0	388	6.491	14534	0
<b>1</b>	2.065	0	0	238	12.284	1499	0

Table 57: IECA/BRA

readmission_180d	Mean	Min	Median	Max	Standard Deviation	N	Missing
<b>0</b>	6.661	0	0	773	19.336	14534	0
<b>1</b>	11.953	0	0	332	28.053	1499	0

Table 58: DVA

readmission_180d	Mean	Min	Median	Max	Standard Deviation	N	Missing
<b>0</b>	5.412	0	0	1917	40.659	14534	0
<b>1</b>	12.828	0	0	1044	57.235	1499	0

Table 59: Digoxina

readmission_180d	Mean	Min	Median	Max	Standard Deviation	N	Missing
<b>0</b>	0.158	0	0	50	1.312	14534	0
<b>1</b>	0.514	0	0	65	3.142	1499	0

Table 60: Estatinas

readmission_180d	Mean	Min	Median	Max	Standard Deviation	N	Missing
<b>0</b>	3.747	0	0	421	14.044	14534	0
<b>1</b>	8.230	0	0	413	24.611	1499	0

Table 61: Diuretico

readmission_180d	Mean	Min	Median	Max	Standard Deviation	N	Missing
<b>0</b>	8.066	0	0	2966	57.764	14534	0
<b>1</b>	22.126	0	0	1290	96.387	1499	0

Table 62: Vasodilator

readmission_180d	Mean	Min	Median	Max	Standard Deviation	N	Missing
<b>0</b>	6.697	0	0	3820.5	50.651	14534	0
<b>1</b>	22.676	0	0	2408.0	101.425	1499	0

Table 63: Insuficiência cardíaca (ivabradina, levosimendan, milrinona, nesiritida, carvedilol)

readmission_180d	Mean	Min	Median	Max	Standard Deviation	N	Missing
<b>0</b>	3.197	0	0	426	13.882	14534	0
<b>1</b>	8.532	0	0	453	26.716	1499	0

Table 64: Antagonista da Aldosterona (espironolactona)

readmission_180d	Mean	Min	Median	Max	Standard Deviation	N	Missing
<b>0</b>	1.439	0	0	255	6.659	14534	0
<b>1</b>	4.378	0	0	141	13.176	1499	0

Table 65: Bloqueador do canal de calcio

readmission_180d	Mean	Min	Median	Max	Standard Deviation	N	Missing
<b>0</b>	0.303	0	0	509	6.440	14534	0
<b>1</b>	3.217	0	0	376	24.212	1499	0

Table 66: Trombolitico

readmission_180d	Mean	Min	Median	Max	Standard Deviation	N	Missing
<b>0</b>	0.001	0	0	3	0.042	14534	0
<b>1</b>	0.001	0	0	1	0.037	1499	0

Table 67: Antiplaquetario VO

readmission_180d	Mean	Min	Median	Max	Standard Deviation	N	Missing
<b>0</b>	0.252	0	0	111	2.958	14534	0
<b>1</b>	0.373	0	0	141	4.655	1499	0

Table 68: Antiplaquetario EV

readmission_180d	Mean	Min	Median	Max	Standard Deviation	N	Missing
<b>0</b>	0.007	0	0	8	0.146	14534	0
<b>1</b>	0.025	0	0	5	0.247	1499	0

Table 69: Insulina

readmission_180d	Mean	Min	Median	Max	Standard Deviation	N	Missing
<b>0</b>	0.076	0	0	16	0.434	14534	0
<b>1</b>	0.129	0	0	7	0.551	1499	0

Table 70: Hipoglicemiante

readmission_180d	Mean	Min	Median	Max	Standard Deviation	N	Missing
<b>0</b>	0.262	0	0	79	2.296	14534	0
<b>1</b>	0.481	0	0	90	4.290	1499	0

Table 71: Hormonio tireoidiano

readmission_180d	Mean	Min	Median	Max	Standard Deviation	N	Missing
<b>0</b>	0.153	0	0	281.5	3.020	14534	0
<b>1</b>	0.533	0	0	126.0	5.847	1499	0

Table 72: Broncodilador

readmission_180d	Mean	Min	Median	Max	Standard Deviation	N	Missing
<b>0</b>	0.102	0	0	80	1.562	14534	0
<b>1</b>	0.144	0	0	35	1.619	1499	0

Table 73: Anticonvulsivante

readmission_180d	Mean	Min	Median	Max	Standard Deviation	N	Missing
<b>0</b>	0.622	0	0	334	7.914	14534	0
<b>1</b>	3.083	0	0	482	26.072	1499	0

Table 74: Psicofármacos (Ansiolítico/ antidepresivo/ antipsicótico)

readmission_180d	Mean	Min	Median	Max	Standard Deviation	N	Missing
<b>0</b>	2.829	0	0	573	12.277	14534	0
<b>1</b>	6.948	0	0	251	20.265	1499	0

Table 75: Antibióticos

readmission_180d	Mean	Min	Median	Max	Standard Deviation	N	Missing
<b>0</b>	11.024	0	4	1812	54.651	14534	0
<b>1</b>	20.633	0	4	1459	74.345	1499	0

Table 76: Antifúngicos

readmission_180d	Mean	Min	Median	Max	Standard Deviation	N	Missing
<b>0</b>	0.328	0	0	122	3.806	14534	0
<b>1</b>	0.651	0	0	99	4.743	1499	0

Table 77: Antiviral

readmission_180d	Mean	Min	Median	Max	Standard Deviation	N	Missing
<b>0</b>	0.047	0	0	86	1.473	14534	0
<b>1</b>	0.728	0	0	131	7.363	1499	0

Table 78: Antiretroviral

readmission_180d	Mean	Min	Median	Max	Standard Deviation	N	Missing
<b>0</b>	0.005	0	0	32	0.375	14534	0
<b>1</b>	0.018	0	0	20	0.532	1499	0

Table 79: Quantidade de classes medicamentosas utilizadas

readmission_180d	Mean	Min	Median	Max	Standard Deviation	N	Missing
<b>0</b>	3.263	0	3	17	3.057	14534	0
<b>1</b>	4.533	0	5	16	3.866	1499	0

Table 80: Ventilação não invasiva

readmission_180d	Mean	Min	Median	Max	Standard Deviation	N	Missing
<b>0</b>	0.043	0	0	114	1.48	14534	0
<b>1</b>	0.000	0	0	0	0.00	1499	0

Table 81: Instalação de CEC

readmission_180d	Mean	Min	Median	Max	Standard Deviation	N	Missing
<b>0</b>	0.009	0	0	2	0.099	14534	0
<b>1</b>	0.028	0	0	1	0.165	1499	0

Table 82: Cirurgia Cardiovascular

readmission_180d	Mean	Min	Median	Max	Standard Deviation	N	Missing
<b>0</b>	0.048	0	0	9	0.345	14534	0
<b>1</b>	0.062	0	0	6	0.426	1499	0

Table 83: Transplante cardíaco

readmission_180d	Mean	Min	Median	Max	Standard Deviation	N	Missing
<b>0</b>	0.000	0	0	1	0.017	14534	0
<b>1</b>	0.017	0	0	1	0.131	1499	0

Table 84: Cirurgia Toracica

readmission_180d	Mean	Min	Median	Max	Standard Deviation	N	Missing
<b>0</b>	0.003	0	0	9	0.096	14534	0
<b>1</b>	0.005	0	0	2	0.097	1499	0

Table 85: Outros procedimentos cirúrgicos (cir geral, gastrocir, plástica, uro, vascular)

readmission_180d	Mean	Min	Median	Max	Standard Deviation	N	Missing
<b>0</b>	0.089	0	0	22	0.512	14534	0
<b>1</b>	0.185	0	0	9	0.738	1499	0

Table 86: Traqueostomia

readmission_180d	Mean	Min	Median	Max	Standard Deviation	N	Missing
<b>0</b>	0.002	0	0	8	0.086	14534	0
<b>1</b>	0.001	0	0	1	0.026	1499	0

Table 87: Intervenção coronária percutânea

readmission_180d	Mean	Min	Median	Max	Standard Deviation	N	Missing
<b>0</b>	0.008	0	0	4	0.112	14534	0
<b>1</b>	0.025	0	0	4	0.222	1499	0

Table 88: Intervenção cardiovascular em laboratório de hemodinâmica (alcoolização septal, valvoplastia percutânea, stent em vasos pulmonares)

readmission_180d	Mean	Min	Median	Max	Standard Deviation	N	Missing
<b>0</b>	0.006	0	0	3	0.104	14534	0
<b>1</b>	0.009	0	0	2	0.115	1499	0

Table 89: Stent

readmission_180d	Mean	Min	Median	Max	Standard Deviation	N	Missing
<b>0</b>	0	0	0	1	0.008	14534	0
<b>1</b>	0	0	0	0	0.000	1499	0

Table 90: Angioplastia

readmission_180d	Mean	Min	Median	Max	Standard Deviation	N	Missing
<b>0</b>	0.001	0	0	2	0.037	14534	0
<b>1</b>	0.003	0	0	1	0.052	1499	0

Table 91: Cateterismo

readmission_180d	Mean	Min	Median	Max	Standard Deviation	N	Missing
<b>0</b>	0.095	0	0	4	0.354	14534	0
<b>1</b>	0.205	0	0	7	0.548	1499	0

Table 92: Eletrofisiologia

readmission_180d	Mean	Min	Median	Max	Standard Deviation	N	Missing
<b>0</b>	0.062	0	0	11	0.415	14534	0
<b>1</b>	0.135	0	0	7	0.616	1499	0

Table 93: Suporte cardiocirculatório (ECMO, BIA, Bio-PUMP)

readmission_180d	Mean	Min	Median	Max	Standard Deviation	N	Missing
<b>0</b>	0.040	0	0	152	1.886	14534	0
<b>1</b>	0.828	0	0	535	15.604	1499	0

Table 94: Cateter venoso central

readmission_180d	Mean	Min	Median	Max	Standard Deviation	N	Missing
<b>0</b>	0.029	0	0	13	0.247	14534	0
<b>1</b>	0.091	0	0	4	0.392	1499	0

Table 95: Drenagem de tórax (instalação /troca) e punção pericárdica ou pleural

readmission_180d	Mean	Min	Median	Max	Standard Deviation	N	Missing
<b>0</b>	0.006	0	0	5	0.109	14534	0
<b>1</b>	0.004	0	0	4	0.110	1499	0

Table 96: Quantidade de procedimentos invasivos

readmission_180d	Mean	Min	Median	Max	Standard Deviation	N	Missing
<b>0</b>	0.399	0	0	159	2.349	14534	0
<b>1</b>	1.598	0	0	554	16.398	1499	0

Table 97: Cardioversão/ Desfibrilação (sessão)

readmission_180d	Mean	Min	Median	Max	Standard Deviation	N	Missing
<b>0</b>	0.005	0	0	5	0.108	14534	0
<b>1</b>	0.013	0	0	3	0.152	1499	0

Table 98: Transfusão de hemoderivados

readmission_180d	Mean	Min	Median	Max	Standard Deviation	N	Missing
<b>0</b>	0.041	0	0	61	0.909	14534	0
<b>1</b>	0.074	0	0	18	0.773	1499	0

Table 99: Interconsulta médica (Especialidades cirúrgicas, infecto, uro, nefro, psiquiatra, dermatologista, alergista, oncologista, geriatra, etc)

readmission_180d	Mean	Min	Median	Max	Standard Deviation	N	Missing
<b>0</b>	0.292	0	0	115	2.462	14534	0
<b>1</b>	0.948	0	0	199	7.174	1499	0

Table 100: Equipe Multiprofissional (enf, fono, fisio, nutri, serviço social, psicologia)

readmission_180d	Mean	Min	Median	Max	Standard Deviation	N	Missing
<b>0</b>	2.623	0	0	420	13.165	14534	0
<b>1</b>	5.976	0	0	328	21.391	1499	0

Table 101: ECG

readmission_180d	Mean	Min	Median	Max	Standard Deviation	N	Missing
<b>0</b>	3.243	0	2	141	5.770	14534	0
<b>1</b>	5.496	0	3	140	9.031	1499	0

Table 102: Holter

readmission_180d	Mean	Min	Median	Max	Standard Deviation	N	Missing
<b>0</b>	0.082	0	0	5	0.317	14534	0
<b>1</b>	0.157	0	0	5	0.420	1499	0

Table 103: Teste de esforço

readmission_180d	Mean	Min	Median	Max	Standard Deviation	N	Missing
<b>0</b>	0.008	0	0	3	0.093	14534	0
<b>1</b>	0.015	0	0	2	0.131	1499	0

Table 104: Espirometria / Ergoespirometria

readmission_180d	Mean	Min	Median	Max	Standard Deviation	N	Missing
<b>0</b>	0.003	0	0	2	0.059	14534	0
<b>1</b>	0.008	0	0	1	0.089	1499	0



Table 105: Tilt Test

readmission_180d	Mean	Min	Median	Max	Standard Deviation	N	Missing
<b>0</b>	0.002	0	0	2	0.043	14534	0
<b>1</b>	0.005	0	0	1	0.068	1499	0

Table 106: Polissonografia

readmission_180d	Mean	Min	Median	Max	Standard Deviation	N	Missing
<b>0</b>	0.001	0	0	2	0.038	14534	0
<b>1</b>	0.003	0	0	2	0.063	1499	0

Table 107: Quantidade de exames por métodos gráficos

readmission_180d	Mean	Min	Median	Max	Standard Deviation	N	Missing
<b>0</b>	3.339	0	2	143	5.893	14534	0
<b>1</b>	5.683	0	3	140	9.165	1499	0

Table 108: Exames laboratoriais (exames bioquímicos, exames hematologia/coagulação, anticorpos, dosagem sérica de fármacos)

readmission_180d	Mean	Min	Median	Max	Standard Deviation	N	Missing
<b>0</b>	51.580	0	7	3608	174.081	14534	0
<b>1</b>	119.007	0	16	3238	289.490	1499	0

Table 109: Culturas (hemocultura, cultura de secreções, urocultura e cultura de cateteres)

readmission_180d	Mean	Min	Median	Max	Standard Deviation	N	Missing
<b>0</b>	0.282	0	0	48	1.403	14534	0
<b>1</b>	0.592	0	0	19	1.843	1499	0

Table 110: Quantidade de exames de análises clínicas

readmission_180d	Mean	Min	Median	Max	Standard Deviation	N	Missing
<b>0</b>	51.862	0	7	3645	175.183	14534	0
<b>1</b>	119.599	0	16	3253	291.047	1499	0

Table 111: Citologias

readmission_180d	Mean	Min	Median	Max	Standard Deviation	N	Missing
<b>0</b>	0.006	0	0	8	0.129	14534	0
<b>1</b>	0.021	0	0	4	0.207	1499	0

Table 112: Biopsias (cardíaca, esterno, parede torácica, tumor em mediastino, pulmonar)

readmission_180d	Mean	Min	Median	Max	Standard Deviation	N	Missing
<b>0</b>	0.005	0	0	6	0.125	14534	0
<b>1</b>	0.104	0	0	10	0.714	1499	0

Table 113: Quantidade de exames histopatológicos

readmission_180d	Mean	Min	Median	Max	Standard Deviation	N	Missing
<b>0</b>	0.012	0	0	8	0.179	14534	0
<b>1</b>	0.125	0	0	10	0.769	1499	0

Table 114: Angio RM

readmission_180d	Mean	Min	Median	Max	Standard Deviation	N	Missing
<b>0</b>	0.003	0	0	3	0.066	14534	0
<b>1</b>	0.010	0	0	4	0.148	1499	0

Table 115: Angio TC

readmission_180d	Mean	Min	Median	Max	Standard Deviation	N	Missing
<b>0</b>	0.029	0	0	9	0.226	14534	0
<b>1</b>	0.044	0	0	5	0.272	1499	0

Table 116: Angiografia

readmission_180d	Mean	Min	Median	Max	Standard Deviation	N	Missing
<b>0</b>	0.002	0	0	3	0.046	14534	0
<b>1</b>	0.002	0	0	1	0.045	1499	0

Table 117: Aortografia

readmission_180d	Mean	Min	Median	Max	Standard Deviation	N	Missing
<b>0</b>	0.002	0	0	2	0.045	14534	0
<b>1</b>	0.003	0	0	2	0.068	1499	0

Table 118: Arteriografia

readmission_180d	Mean	Min	Median	Max	Standard Deviation	N	Missing
<b>0</b>	0.000	0	0	1	0.020	14534	0
<b>1</b>	0.002	0	0	2	0.058	1499	0

Table 119: Cavografia

readmission_180d	Mean	Min	Median	Max	Standard Deviation	N	Missing
<b>0</b>	0.006	0	0	1	0.078	14534	0
<b>1</b>	0.007	0	0	1	0.085	1499	0

Table 120: Cintilografia

readmission_180d	Mean	Min	Median	Max	Standard Deviation	N	Missing
<b>0</b>	0.049	0	0	5	0.309	14534	0
<b>1</b>	0.117	0	0	4	0.458	1499	0

Table 121: Ecocardiograma

readmission_180d	Mean	Min	Median	Max	Standard Deviation	N	Missing
<b>0</b>	0.436	0	0	24	1.054	14534	0
<b>1</b>	0.941	0	0	24	2.309	1499	0

Table 122: Exames endoscópicos (EDA, colonoscopia, retossigmoidoscopia, broncoscopia)

readmission_180d	Mean	Min	Median	Max	Standard Deviation	N	Missing
<b>0</b>	0.013	0	0	6	0.153	14534	0
<b>1</b>	0.050	0	0	4	0.303	1499	0

Table 123: Flebografia

readmission_180d	Mean	Min	Median	Max	Standard Deviation	N	Missing
<b>0</b>	0.028	0	0	5	0.255	14534	0
<b>1</b>	0.047	0	0	5	0.351	1499	0

Table 124: PET-CT

readmission_180d	Mean	Min	Median	Max	Standard Deviation	N	Missing
<b>0</b>	0.004	0	0	3	0.07	14534	0
<b>1</b>	0.009	0	0	2	0.10	1499	0

Table 125: Ultrassom

readmission_180d	Mean	Min	Median	Max	Standard Deviation	N	Missing
<b>0</b>	0.142	0	0	28	0.767	14534	0
<b>1</b>	0.415	0	0	14	1.354	1499	0

Table 126: Tomografia

readmission_180d	Mean	Min	Median	Max	Standard Deviation	N	Missing
<b>0</b>	0.132	0	0	15	0.618	14534	0
<b>1</b>	0.300	0	0	12	1.005	1499	0

Table 127: Radiografias

readmission_180d	Mean	Min	Median	Max	Standard Deviation	N	Missing
<b>0</b>	2.619	0	1	261	7.741	14534	0
<b>1</b>	4.797	0	2	184	11.897	1499	0

Table 128: Ressonancia magnetica

readmission_180d	Mean	Min	Median	Max	Standard Deviation	N	Missing
<b>0</b>	0.054	0	0	6	0.266	14534	0
<b>1</b>	0.123	0	0	3	0.394	1499	0

Table 129: Quantidade de exames diagnóstico por imagem

readmission_180d	Mean	Min	Median	Max	Standard Deviation	N	Missing
<b>0</b>	3.518	0	1	281	9.456	14534	0
<b>1</b>	6.867	0	2	200	15.043	1499	0

Table 130: Dieta enteral (frasco)

readmission_180d	Mean	Min	Median	Max	Standard Deviation	N	Missing
<b>0</b>	0.049	0	0	195	2.326	14534	0
<b>1</b>	0.090	0	0	111	2.913	1499	0

Table 131: Dieta parenteral (frasco)

readmission_180d	Mean	Min	Median	Max	Standard Deviation	N	Missing
<b>0</b>	0.002	0	0	14	0.133	14534	0
<b>1</b>	0.000	0	0	0	0.000	1499	0

Table 132: Bomba de infusão contínua (horas)

readmission_180d	Mean	Min	Median	Max	Standard Deviation	N	Missing
<b>0</b>	0.773	0	0	1527	20.494	14534	0
<b>1</b>	2.173	0	0	743	30.454	1499	0

Table 133: Marca-passo temporário (por hora)

readmission_180d	Mean	Min	Median	Max	Standard Deviation	N	Missing
0	0.131	0	0	180	2.914	14534	0
1	0.192	0	0	66	2.829	1499	0

## Categorical variables

```
paste_matrix <- function(...,sep = " ",collapse = NULL){
  n <- max(sapply(list(...),nrow))
  p <- max(sapply(list(...),ncol))

  matrix(paste(...,sep = sep,collapse = collapse),n,p)
}
```

```
percent <- function(x) paste0("(", lapply(x, as.character), "%)")
```

```
addpercentage <- function(df, horizontal = FALSE){
  if (horizontal){
    x <- df %>%
      prop.table(margin = 1) %>%
      addmargins(FUN = list(Total = sum), quiet = TRUE) %>%
      round(2) * 100

    x[nrow(x),] <- " "
    x[,-(nrow(x)) ,] <- lapply(x[,-(nrow(x))], ], percent)
  } else {
    x <- df %>%
      prop.table(margin = 2) %>%
      addmargins(FUN = list(Total = sum), quiet = TRUE) %>%
      round(2) * 100

    x[, ncol(x)] <- " "
    x[, -(ncol(x))] <- lapply(x[, -(ncol(x))], percent)
  }

  y <- matrix(x, nrow = nrow(df) + 1)

  df <- df %>%
    addmargins(FUN = list(Total = sum), quiet = TRUE)

  df_final <- paste_matrix(df, y)
  rownames(df_final) <- rownames(df)
  colnames(df_final) <- colnames(df)
  return(df_final)
}
```

```
transpose_columns <- c()
```

```
for (column in columns_list$categorical_columns){
  if (length(unique(df[[column]])) > 5) next

  variable_name <- df_names %>%
    filter(variable.name == column) %>%
    .$field.label

  abbreviated_name <- df_names %>%
    filter(variable.name == column) %>%
    .$field.label
}
```

```

caption <- sprintf('Contingency table between %s and %s',
                  str_replace(outcome_column, "_", " "),
                  variable_name)

if (column %in% transpose_columns){

  temp_table <- table(df[[column]],
                    df[[outcome_column]],
                    useNA = "ifany") %>%
    addpercentage(horizontal = TRUE)

  has_na <- df[[column]] %>% is.na() %>% sum > 0

  if (has_na){
    rownames(temp_table)[nrow(temp_table) - 1] <- "NA"
  }

  t <- temp_table %>%
    as.data.frame %>%
    rownames_to_column(var=abbreviated_name) %>%
    kbl(aligned = "c", booktabs = T, digits = 2, format = 'latex',
        caption = caption) %>%
    row_spec(length(unique(df %>% .[[column]] %>% replace_na("NA"))),
             hline_after = T) %>%
    collapse_rows(1, latex_hline = "none") %>%
    column_spec(4, border_right = T) %>%
    add_header_above(c(setNames(1, ' '),
                             setNames(length(unique(df[[outcome_column]])),
                             outcome_column))) %>%
    kable_styling(latex_options = c("HOLD_position", "repeat_header"))

} else {

  temp_table <- table(df[[outcome_column]],
                    df[[column]],
                    useNA = "ifany") %>%
    addpercentage

  has_na <- df[[column]] %>% is.na() %>% sum > 0

  if (has_na){
    colnames(temp_table)[ncol(temp_table) - 1] <- "NA"
  }

  t <- temp_table %>%
    as.data.frame %>%
    rownames_to_column(var=outcome_column) %>%
    kbl(aligned = "c", booktabs = T, digits = 2, format = 'latex',
        caption = caption, label = i) %>%
    row_spec(2, hline_after = T) %>%
    column_spec(length(unique(df %>% .[[column]] %>% replace_na("NA"))) + 1,
             border_right = T) %>%
    collapse_rows(1, latex_hline = "none") %>%
    add_header_above(c(' ' = 1,
                             setNames(length(unique(df[[column]])),
                             abbreviated_name))) %>%
    kable_styling(latex_options = c("HOLD_position", "repeat_header"))

}

print(t)
i <- i + 1

```

Table 134: Contingency table between readmission 180d and Sexo

readmission_180d	Sexo		Total
	0	1	
0	6919 (91%)	7615 (90%)	14534
1	647 (9%)	852 (10%)	1499
Total	7566 (100%)	8467 (100%)	16033

Table 135: Contingency table between readmission 180d and Doença cardíaca

readmission_180d	Doença cardíaca				Total
	0	1	2	NA	
0	8486 (91%)	1023 (87%)	3152 (89%)	1873 (92%)	14534
1	800 (9%)	150 (13%)	383 (11%)	166 (8%)	1499
Total	9286 (100%)	1173 (100%)	3535 (100%)	2039 (100%)	16033

Table 136: Contingency table between readmission 180d and Hipertensão arterial

readmission_180d	Hipertensão arterial		Total
	0	1	
0	11020 (91%)	3514 (90%)	14534
1	1124 (9%)	375 (10%)	1499
Total	12144 (100%)	3889 (100%)	16033

Table 137: Contingency table between readmission 180d and Infarto do miocárdio prévio / Doença arterial coronariana

readmission_180d	Infarto do miocárdio prévio / Doença arterial coronariana		Total
	0	1	
0	13251 (91%)	1283 (87%)	14534
1	1301 (9%)	198 (13%)	1499
Total	14552 (100%)	1481 (100%)	16033

Table 138: Contingency table between readmission 180d and Insuficiência cardíaca

readmission_180d	Insuficiência cardíaca		Total
	0	1	
0	9465 (93%)	5069 (87%)	14534
1	742 (7%)	757 (13%)	1499
Total	10207 (100%)	5826 (100%)	16033

Table 139: Contingency table between readmission 180d and Fibrilação / flutter atrial

readmission_180d	Fibrilação / flutter atrial		Total
	0	1	
0	12396 (91%)	2138 (88%)	14534
1	1219 (9%)	280 (12%)	1499
Total	13615 (100%)	2418 (100%)	16033

Table 140: Contingency table between readmission 180d and Parada cardíaca prévia/ Taquicardia ventricular instável

readmission_180d	Parada cardíaca prévia/ Taquicardia ventricular instável		Total
	0	1	
0	12846 (91%)	1688 (88%)	14534
1	1264 (9%)	235 (12%)	1499
Total	14110 (100%)	1923 (100%)	16033

Table 141: Contingency table between readmission 180d and Transplante cardíaco prévio

readmission_180d	Transplante cardíaco prévio		Total
	0	1	
0	14513 (91%)	21 (49%)	14534
1	1477 (9%)	22 (51%)	1499
Total	15990 (100%)	43 (100%)	16033

Table 142: Contingency table between readmission 180d and Valvopatias/ Prótese valvares

readmission_180d	Valvopatias/ Prótese valvares		Total
	0	1	
0	13594 (91%)	940 (87%)	14534
1	1362 (9%)	137 (13%)	1499
Total	14956 (100%)	1077 (100%)	16033

Table 143: Contingency table between readmission 180d and Endocardite prévia

readmission_180d	Endocardite prévia		Total
	0	1	
0	14416 (91%)	118 (86%)	14534
1	1479 (9%)	20 (14%)	1499
Total	15895 (100%)	138 (100%)	16033



Table 144: Contingency table between readmission 180d and Diabetes melittus

readmission_180d	Diabetes melittus		Total
	0	1	
0	12811 (91%)	1723 (88%)	14534
1	1275 (9%)	224 (12%)	1499
Total	14086 (100%)	1947 (100%)	16033

Table 145: Contingency table between readmission 180d and Insuficiência renal crônica

readmission_180d	Insuficiência renal crônica		Total
	0	1	
0	13961 (91%)	573 (88%)	14534
1	1418 (9%)	81 (12%)	1499
Total	15379 (100%)	654 (100%)	16033

Table 146: Contingency table between readmission 180d and Hemodiálise

readmission_180d	Hemodiálise		Total
	0	1	
0	14518 (91%)	16 (73%)	14534
1	1493 (9%)	6 (27%)	1499
Total	16011 (100%)	22 (100%)	16033

Table 147: Contingency table between readmission 180d and Acidente Vascular Cerebral/ Acidente isquêmico transitório prévios

readmission_180d	Acidente Vascular Cerebral/ Acidente isquêmico transitório prévios		Total
	0	1	
0	14082 (91%)	452 (89%)	14534
1	1443 (9%)	56 (11%)	1499
Total	15525 (100%)	508 (100%)	16033

Table 148: Contingency table between readmission 180d and Doença pulmonar obstrutiva crônica

readmission_180d	Doença pulmonar obstrutiva crônica		Total
	0	1	
0	14343 (91%)	191 (87%)	14534
1	1471 (9%)	28 (13%)	1499
Total	15814 (100%)	219 (100%)	16033

Table 149: Contingency table between readmission 180d and Neoplasia em tratamento ou tratada recentemente (12 meses)

readmission_180d	Neoplasia em tratamento ou tratada recentemente (12 meses)		Total
	0	1	
0	14434 (91%)	100 (86%)	14534
1	1483 (9%)	16 (14%)	1499
Total	15917 (100%)	116 (100%)	16033

Table 150: Contingency table between readmission 180d and Tipo de Procedimento 1

readmission_180d	Tipo de Procedimento 1		Total
	1	2	
0	9906 (89%)	4628 (94%)	14534
1	1223 (11%)	276 (6%)	1499
Total	11129 (100%)	4904 (100%)	16033

Table 151: Contingency table between readmission 180d and Tipo de Reoperação 1

readmission_180d	Tipo de Reoperação 1				Total
	1	2	3	NA	
0	3747 (95%)	850 (90%)	31 (91%)	9906 (89%)	14534
1	182 (5%)	91 (10%)	3 (9%)	1223 (11%)	1499
Total	3929 (100%)	941 (100%)	34 (100%)	11129 (100%)	16033

Table 152: Contingency table between readmission 180d and Tipo de Dispositivo ao final do procedimento 1

readmission_180d	Tipo de Dispositivo ao final do procedimento 1				Total
	1	2	3	4	
0	11533 (92%)	1519 (85%)	1115 (86%)	367 (80%)	14534
1	947 (8%)	276 (15%)	183 (14%)	93 (20%)	1499
Total	12480 (100%)	1795 (100%)	1298 (100%)	460 (100%)	16033

Table 153: Contingency table between readmission 180d and Óbito intraoperatório 1

readmission_180d	Óbito intraoperatório 1		Total
	0	1	
0	14527 (91%)	7 (100%)	14534
1	1499 (9%)	0 (0%)	1499
Total	16026 (100%)	7 (100%)	16033

Table 154: Contingency table between readmission 180d and Tipo de Reoperação 2

readmission_180d	Tipo de Reoperação 2				Total
	1	2	3	NA	
0	3121 (96%)	1103 (74%)	56 (46%)	10254 (92%)	14534
1	141 (4%)	387 (26%)	65 (54%)	906 (8%)	1499
Total	3262 (100%)	1490 (100%)	121 (100%)	11160 (100%)	16033

Table 155: Contingency table between readmission 180d and Tipo de Dispositivo ao final do procedimento 2

readmission_180d	Tipo de Dispositivo ao final do procedimento 2					Total
	1	2	3	4	NA	
0	3259 (90%)	535 (83%)	326 (84%)	162 (80%)	10252 (92%)	14534
1	379 (10%)	109 (17%)	62 (16%)	41 (20%)	908 (8%)	1499
Total	3638 (100%)	644 (100%)	388 (100%)	203 (100%)	11160 (100%)	16033

Table 156: Contingency table between readmission 180d and Óbito intraoperatório 2

readmission_180d	Óbito intraoperatório 2		Total
	0	NA	
0	4286 (88%)	10248 (92%)	14534
1	594 (12%)	905 (8%)	1499
Total	4880 (100%)	11153 (100%)	16033

Table 157: Contingency table between readmission 180d and Tipo de Reoperação 3

readmission_180d	Tipo de Reoperação 3				Total
	1	2	3	NA	
0	627 (87%)	476 (82%)	45 (73%)	13386 (91%)	14534
1	96 (13%)	102 (18%)	17 (27%)	1284 (9%)	1499
Total	723 (100%)	578 (100%)	62 (100%)	14670 (100%)	16033

Table 158: Contingency table between readmission 180d and Tipo de Dispositivo ao final do procedimento 3

readmission_180d	Tipo de Dispositivo ao final do procedimento 3					Total
	1	2	3	4	NA	
0	820 (85%)	205 (81%)	131 (82%)	78 (79%)	13300 (91%)	14534
1	148 (15%)	47 (19%)	29 (18%)	21 (21%)	1254 (9%)	1499
Total	968 (100%)	252 (100%)	160 (100%)	99 (100%)	14554 (100%)	16033

Table 159: Contingency table between readmission 180d and Óbito intraoperatório 3

readmission_180d	Óbito intraoperatório 3			Total
	0	1	NA	
0	1230 (83%)	4 (100%)	13300 (91%)	14534
1	246 (17%)	0 (0%)	1253 (9%)	1499
Total	1476 (100%)	4 (100%)	14553 (100%)	16033

Table 160: Contingency table between readmission 180d and Tipo de Reoperação 4

readmission_180d	Tipo de Reoperação 4				Total
	1	2	3	NA	
0	143 (75%)	198 (79%)	28 (85%)	14165 (91%)	14534
1	48 (25%)	54 (21%)	5 (15%)	1392 (9%)	1499
Total	191 (100%)	252 (100%)	33 (100%)	15557 (100%)	16033

Table 161: Contingency table between readmission 180d and Tipo de Dispositivo ao final do procedimento 4

readmission_180d	Tipo de Dispositivo ao final do procedimento 4					Total
	1	2	3	4	NA	
0	217 (75%)	89 (81%)	39 (87%)	33 (79%)	14156 (91%)	14534
1	71 (25%)	21 (19%)	6 (13%)	9 (21%)	1392 (9%)	1499
Total	288 (100%)	110 (100%)	45 (100%)	42 (100%)	15548 (100%)	16033

Table 162: Contingency table between readmission 180d and Óbito intraoperatório 4

readmission_180d	Óbito intraoperatório 4		Total
	0	NA	
0	378 (78%)	14156 (91%)	14534
1	107 (22%)	1392 (9%)	1499
Total	485 (100%)	15548 (100%)	16033

Table 163: Contingency table between readmission 180d and Tipo de Reoperação 5

readmission_180d	Tipo de Reoperação 5				Total
	1	2	3	NA	
0	60 (85%)	90 (85%)	9 (64%)	14375 (91%)	14534
1	11 (15%)	16 (15%)	5 (36%)	1467 (9%)	1499
Total	71 (100%)	106 (100%)	14 (100%)	15842 (100%)	16033

Table 164: Contingency table between readmission 180d and Tipo de Dispositivo ao final do procedimento 5

readmission_180d	Tipo de Dispositivo ao final do procedimento 5					Total
	1	2	3	4	NA	
0	80 (80%)	46 (82%)	21 (95%)	11 (85%)	14376 (91%)	14534
1	20 (20%)	10 (18%)	1 (5%)	2 (15%)	1466 (9%)	1499
Total	100 (100%)	56 (100%)	22 (100%)	13 (100%)	15842 (100%)	16033

Table 165: Contingency table between readmission 180d and Óbito intraoperatório 5

readmission_180d	Óbito intraoperatório 5		Total
	0	NA	
0	159 (83%)	14375 (91%)	14534
1	33 (17%)	1466 (9%)	1499
Total	192 (100%)	15841 (100%)	16033

Table 166: Contingency table between readmission 180d and Tipo de Reoperação 6

readmission_180d	Tipo de Reoperação 6				Total
	1	2	3	NA	
0	22 (85%)	36 (77%)	4 (67%)	14472 (91%)	14534
1	4 (15%)	11 (23%)	2 (33%)	1482 (9%)	1499
Total	26 (100%)	47 (100%)	6 (100%)	15954 (100%)	16033

Table 167: Contingency table between readmission 180d and Tipo de Dispositivo ao final do procedimento 6

readmission_180d	Tipo de Dispositivo ao final do procedimento 6					Total
	1	2	3	4	NA	
0	31 (78%)	19 (76%)	7 (88%)	8 (89%)	14469 (91%)	14534
1	9 (22%)	6 (24%)	1 (12%)	1 (11%)	1482 (9%)	1499
Total	40 (100%)	25 (100%)	8 (100%)	9 (100%)	15951 (100%)	16033

Table 168: Contingency table between readmission 180d and Óbito intraoperatório 6

readmission_180d	Óbito intraoperatório 6		Total
	0	NA	
0	65 (79%)	14469 (91%)	14534
1	17 (21%)	1482 (9%)	1499
Total	82 (100%)	15951 (100%)	16033

Table 169: Contingency table between readmission 180d and Tipo de Reoperação 7

readmission_180d	Tipo de Reoperação 7				Total
	1	2	3	NA	
0	9 (90%)	14 (78%)	2 (50%)	14509 (91%)	14534
1	1 (10%)	4 (22%)	2 (50%)	1492 (9%)	1499
Total	10 (100%)	18 (100%)	4 (100%)	16001 (100%)	16033

Table 170: Contingency table between readmission 180d and Tipo de Dispositivo ao final do procedimento 7

readmission_180d	Tipo de Dispositivo ao final do procedimento 7					Total
	1	2	3	4	NA	
0	12 (92%)	9 (69%)	1 (100%)	2 (50%)	14510 (91%)	14534
1	1 (8%)	4 (31%)	0 (0%)	2 (50%)	1492 (9%)	1499
Total	13 (100%)	13 (100%)	1 (100%)	4 (100%)	16002 (100%)	16033

Table 171: Contingency table between readmission 180d and Óbito intraoperatório 7

readmission_180d	Óbito intraoperatório 7		Total
	0	NA	
0	25 (78%)	14509 (91%)	14534
1	7 (22%)	1492 (9%)	1499
Total	32 (100%)	16001 (100%)	16033

Table 172: Contingency table between readmission 180d and Tipo de Reoperação 8

readmission_180d	Tipo de Reoperação 8		Total
	TRUE	NA	
0	10 (83%)	14524 (91%)	14534
1	2 (17%)	1497 (9%)	1499
Total	12 (100%)	16021 (100%)	16033

Table 173: Contingency table between readmission 180d and Tipo de Dispositivo ao final do procedimento 8

readmission_180d	Tipo de Dispositivo ao final do procedimento 8		Total
	TRUE	NA	
0	10 (83%)	14524 (91%)	14534
1	2 (17%)	1497 (9%)	1499
Total	12 (100%)	16021 (100%)	16033

Table 174: Contingency table between readmission 180d and Óbito intraoperatório 8

readmission_180d	Óbito intraoperatório 8		Total
	FALSE	NA	
0	10 (83%)	14524 (91%)	14534
1	2 (17%)	1497 (9%)	1499
Total	12 (100%)	16021 (100%)	16033

Table 175: Contingency table between readmission 180d and Tipo de Reoperação 9

readmission_180d	Tipo de Reoperação 9		Total
	TRUE	NA	
0	5 (100%)	14529 (91%)	14534
1	0 (0%)	1499 (9%)	1499
Total	5 (100%)	16028 (100%)	16033

Table 176: Contingency table between readmission 180d and Tipo de Dispositivo ao final do procedimento 9

readmission_180d	Tipo de Dispositivo ao final do procedimento 9		Total
	TRUE	NA	
0	5 (100%)	14529 (91%)	14534
1	0 (0%)	1499 (9%)	1499
Total	5 (100%)	16028 (100%)	16033

Table 177: Contingency table between readmission 180d and Óbito intraoperatório 9

readmission_180d	Óbito intraoperatório 9		Total
	FALSE	NA	
0	5 (100%)	14529 (91%)	14534
1	0 (0%)	1499 (9%)	1499
Total	5 (100%)	16028 (100%)	16033

Table 178: Contingency table between readmission 180d and Tipo de Reoperação 10

readmission_180d	Tipo de Reoperação 10		Total
	TRUE	NA	
0	1 (100%)	14533 (91%)	14534
1	0 (0%)	1499 (9%)	1499
Total	1 (100%)	16032 (100%)	16033

Table 179: Contingency table between readmission 180d and Tipo de Dispositivo ao final do procedimento 10

readmission_180d	Tipo de Dispositivo ao final do procedimento 10		Total
	TRUE	NA	
0	1 (100%)	14533 (91%)	14534
1	0 (0%)	1499 (9%)	1499
Total	1 (100%)	16032 (100%)	16033

Table 180: Contingency table between readmission 180d and Óbito intraoperatório 10

readmission_180d	Óbito intraoperatório 10		Total
	FALSE	NA	
0	1 (100%)	14533 (91%)	14534
1	0 (0%)	1499 (9%)	1499
Total	1 (100%)	16032 (100%)	16033

Table 181: Contingency table between readmission 180d and Mudança do tipo de DCEI: entre o Procedimento 1 e Procedimento 2

readmission_180d	Mudança do tipo de DCEI: entre o Procedimento 1 e Procedimento 2			Total
	0	1	NA	
0	4040 (88%)	242 (86%)	10252 (92%)	14534
1	553 (12%)	38 (14%)	908 (8%)	1499
Total	4593 (100%)	280 (100%)	11160 (100%)	16033

Table 182: Contingency table between readmission 180d and Mudança do tipo de DCEI: entre o Procedimento 2 e Procedimento 3

readmission_180d	Mudança do tipo de DCEI: entre o Procedimento 2 e Procedimento 3			Total
	0	1	NA	
0	1160 (84%)	74 (79%)	13300 (91%)	14534
1	225 (16%)	20 (21%)	1254 (9%)	1499
Total	1385 (100%)	94 (100%)	14554 (100%)	16033

Table 183: Contingency table between readmission 180d and Mudança do tipo de DCEI: entre o Procedimento 3 e Procedimento 4

readmission_180d	Mudança do tipo de DCEI: entre o Procedimento 3 e Procedimento 4			Total
	0	1	NA	
0	355 (78%)	23 (82%)	14156 (91%)	14534
1	102 (22%)	5 (18%)	1392 (9%)	1499
Total	457 (100%)	28 (100%)	15548 (100%)	16033



Table 184: Contingency table between readmission 180d and Mudança do tipo de DCEI: entre o Procedimento 4 e Procedimento 5

readmission_180d	Mudança do tipo de DCEI: entre o Procedimento 4 e Procedimento 5			Total
	0	1	NA	
0	149 (82%)	9 (100%)	14376 (91%)	14534
1	33 (18%)	0 (0%)	1466 (9%)	1499
Total	182 (100%)	9 (100%)	15842 (100%)	16033

Table 185: Contingency table between readmission 180d and Mudança do tipo de DCEI: entre o Procedimento 5 e Procedimento 6

readmission_180d	Mudança do tipo de DCEI: entre o Procedimento 5 e Procedimento 6			Total
	0	1	NA	
0	58 (77%)	7 (100%)	14469 (91%)	14534
1	17 (23%)	0 (0%)	1482 (9%)	1499
Total	75 (100%)	7 (100%)	15951 (100%)	16033

Table 186: Contingency table between readmission 180d and Mudança do tipo de DCEI: entre o Procedimento 6 e Procedimento 7

readmission_180d	Mudança do tipo de DCEI: entre o Procedimento 6 e Procedimento 7			Total
	0	1	NA	
0	22 (79%)	2 (67%)	14510 (91%)	14534
1	6 (21%)	1 (33%)	1492 (9%)	1499
Total	28 (100%)	3 (100%)	16002 (100%)	16033

Table 187: Contingency table between readmission 180d and Mudança do tipo de DCEI: entre o Procedimento 7 e Procedimento 8

readmission_180d	Mudança do tipo de DCEI: entre o Procedimento 7 e Procedimento 8			Total
	FALSE	TRUE	NA	
0	9 (82%)	1 (100%)	14524 (91%)	14534
1	2 (18%)	0 (0%)	1497 (9%)	1499
Total	11 (100%)	1 (100%)	16021 (100%)	16033

Table 188: Contingency table between readmission 180d and Mudança do tipo de DCEI: entre o Procedimento 8 e Procedimento 9

readmission_180d	Mudança do tipo de DCEI: entre o Procedimento 8 e Procedimento 9		Total
	FALSE	NA	
0	5 (100%)	14529 (91%)	14534
1	0 (0%)	1499 (9%)	1499
Total	5 (100%)	16028 (100%)	16033

Table 189: Contingency table between readmission 180d and Mudança do tipo de DCEI: entre o Procedimento 9 e Procedimento 10

readmission_180d	Mudança do tipo de DCEI: entre o Procedimento 9 e Procedimento 10		Total
	FALSE	NA	
0	1 (100%)	14533 (91%)	14534
1	0 (0%)	1499 (9%)	1499
Total	1 (100%)	16032 (100%)	16033

Table 190: Contingency table between readmission 180d and Diálise durante os episódios de hospitalização

readmission_180d	Diálise durante os episódios de hospitalização		Total
	0	1	
0	14486 (91%)	48 (76%)	14534
1	1484 (9%)	15 (24%)	1499
Total	15970 (100%)	63 (100%)	16033

Table 191: Contingency table between readmission 180d and UTI durante os episódios de hospitalização

readmission_180d	UTI durante os episódios de hospitalização		Total
	0	1	
0	11669 (92%)	2865 (84%)	14534
1	952 (8%)	547 (16%)	1499
Total	12621 (100%)	3412 (100%)	16033

Table 192: Contingency table between readmission 180d and Admissão em até 180 dias antes da T0

readmission_180d	Admissão em até 180 dias antes da T0		Total
	0	1	
0	13645 (91%)	889 (80%)	14534
1	1271 (9%)	228 (20%)	1499
Total	14916 (100%)	1117 (100%)	16033

Table 193: Contingency table between readmission 180d and Readmissões pós-T0 com diálise

readmission_180d	Readmissões pós-T0 com diálise				Total
	0	1	2	3	
0	14516 (91%)	16 (84%)	2 (100%)	0 (0%)	14534
1	1495 (9%)	3 (16%)	0 (0%)	1 (100%)	1499
Total	16011 (100%)	19 (100%)	2 (100%)	1 (100%)	16033

Table 194: Contingency table between readmission 180d and Desfecho principal da admissão T0

readmission_180d	Desfecho principal da admissão T0		Total
	0	1	
0	14276 (90%)	258 (100%)	14534
1	1499 (10%)	0 (0%)	1499
Total	15775 (100%)	258 (100%)	16033

Table 195: Contingency table between readmission 180d and Desfecho final do estudo

readmission_180d	Desfecho final do estudo			Total
	1	2	3	
0	2282 (82%)	7209 (93%)	5043 (92%)	14534
1	517 (18%)	528 (7%)	454 (8%)	1499
Total	2799 (100%)	7737 (100%)	5497 (100%)	16033

Table 196: Contingency table between readmission 180d and Óbito intraoperatório

readmission_180d	Óbito intraoperatório		Total
	0	1	
0	14523 (91%)	11 (100%)	14534
1	1499 (9%)	0 (0%)	1499
Total	16022 (100%)	11 (100%)	16033

Table 197: Contingency table between readmission 180d and Ventilação mecânica / IOT

readmission_180d	Ventilação mecânica / IOT		Total
	0	1	
0	11940 (92%)	2594 (86%)	14534
1	1088 (8%)	411 (14%)	1499
Total	13028 (100%)	3005 (100%)	16033