

# Tables

Eduardo Yuki Yada

## Imports

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

## Loading data

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

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

outcome_column <- params$outcome_column
```

## 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_60d	Mean	Min	Median	Max	Standard Deviation	N	Missing
<b>0</b>	65.651	0	69.00	110.6	17.882	15118	0
<b>1</b>	63.665	0	67.35	98.8	19.251	906	0

Table 2: Número de comorbidades

readmission_60d	Mean	Min	Median	Max	Standard Deviation	N	Missing
<b>0</b>	1.242	0	1	8	1.345	15118	0
<b>1</b>	1.568	0	1	8	1.501	906	0

Table 3: Ano do procedimento 1

readmission_60d	Mean	Min	Median	Max	Standard Deviation	N	Missing
<b>0</b>	2010.612	1999	2010	2021	5.802	15118	0
<b>1</b>	2010.273	1999	2010	2021	5.352	906	0

Table 4: Idade no Procedimento 1

readmission_60d	Mean	Min	Median	Max	Standard Deviation	N	Missing
<b>0</b>	65.651	0	69.00	110.6	17.882	15118	0
<b>1</b>	63.665	0	67.35	98.8	19.251	906	0

Table 5: Ano do procedimento 2

readmission_60d	Mean	Min	Median	Max	Standard Deviation	N	Missing
<b>0</b>	2013.269	1999	2013	2022	4.563	15118	10602
<b>1</b>	2010.745	1999	2010	2022	5.582	906	541

Table 6: Idade no Procedimento 2

readmission_60d	Mean	Min	Median	Max	Standard Deviation	N	Missing
<b>0</b>	65.294	0.0	69.4	108.7	19.313	15118	10601
<b>1</b>	62.995	0.7	65.5	97.1	18.599	906	541

Table 7: Ano do procedimento 3

readmission_60d	Mean	Min	Median	Max	Standard Deviation	N	Missing
<b>0</b>	2014.564	1999	2015	2022	4.591	15118	13789
<b>1</b>	2012.126	2002	2012	2022	5.842	906	755

Table 8: Idade no Procedimento 3

readmission_60d	Mean	Min	Median	Max	Standard Deviation	N	Missing
<b>0</b>	62.031	0.4	66.0	101.1	20.942	15118	13789
<b>1</b>	62.072	0.8	65.8	97.6	19.122	906	755

Table 9: Ano do procedimento 4

readmission_60d	Mean	Min	Median	Max	Standard Deviation	N	Missing
<b>0</b>	2014.648	2002	2015	2022	4.663	15118	14695
<b>1</b>	2013.177	2002	2014	2022	5.565	906	844

Table 10: Idade no Procedimento 4

readmission_60d	Mean	Min	Median	Max	Standard Deviation	N	Missing
<b>0</b>	59.197	1.9	63.70	97.7	22.196	15118	14695
<b>1</b>	62.547	5.6	65.85	96.9	19.858	906	844

Table 11: Ano do procedimento 5

readmission_60d	Mean	Min	Median	Max	Standard Deviation	N	Missing
<b>0</b>	2014.48	2004	2015	2022	4.008	15118	14945
<b>1</b>	2012.00	2003	2013	2021	5.185	906	887

Table 12: Idade no Procedimento 5

readmission_60d	Mean	Min	Median	Max	Standard Deviation	N	Missing
<b>0</b>	57.812	3.2	62.6	99.7	22.240	15118	14945
<b>1</b>	58.147	26.1	66.6	83.5	20.629	906	887

Table 13: Ano do procedimento 6

readmission_60d	Mean	Min	Median	Max	Standard Deviation	N	Missing
<b>0</b>	2015.083	2004	2016	2021	4.433	15118	15046
<b>1</b>	2011.889	2003	2013	2020	4.702	906	897

Table 14: Idade no Procedimento 6

readmission_60d	Mean	Min	Median	Max	Standard Deviation	N	Missing
<b>0</b>	55.538	6.6	58.75	101.6	22.485	15118	15046
<b>1</b>	58.489	26.7	63.90	84.2	22.792	906	897

Table 15: Ano do procedimento 7

readmission_60d	Mean	Min	Median	Max	Standard Deviation	N	Missing
<b>0</b>	2016.00	2007	2017	2022	4.414	15118	15090
<b>1</b>	2013.25	2010	2014	2015	2.363	906	902

Table 16: Idade no Procedimento 7

readmission_60d	Mean	Min	Median	Max	Standard Deviation	N	Missing
<b>0</b>	50.832	8.8	57.1	81.8	21.092	15118	15090
<b>1</b>	54.025	28.7	54.3	78.8	21.906	906	902

Table 17: Ano do procedimento 8

readmission_60d	Mean	Min	Median	Max	Standard Deviation	N	Missing
<b>0</b>	2014.917	2008	2015.5	2020	3.942	15118	15106
<b>1</b>	NaN	NA	NA	NA	NA	906	906

Table 18: Idade no Procedimento 8

readmission_60d	Mean	Min	Median	Max	Standard Deviation	N	Missing
<b>0</b>	52.283	14.3	52.9	81.8	23.027	15118	15106
<b>1</b>	NaN	NA	NA	NA	NA	906	906

Table 19: Ano do procedimento 9

readmission_60d	Mean	Min	Median	Max	Standard Deviation	N	Missing
<b>0</b>	2014.8	2009	2016	2022	5.07	15118	15113
<b>1</b>	NaN	NA	NA	NA	NA	906	906

Table 20: Idade no Procedimento 9

readmission_60d	Mean	Min	Median	Max	Standard Deviation	N	Missing
<b>0</b>	39.86	15	36.6	82.2	26.06	15118	15113
<b>1</b>	NaN	NA	NA	NA	NA	906	906

Table 21: Ano do procedimento 10

readmission_60d	Mean	Min	Median	Max	Standard Deviation	N	Missing
<b>0</b>	2019	2019	2019	2019	NA	15118	15117
<b>1</b>	NaN	NA	NA	NA	NA	906	906

Table 22: Idade no Procedimento 10

readmission_60d	Mean	Min	Median	Max	Standard Deviation	N	Missing
<b>0</b>	39.7	39.7	39.7	39.7	NA	15118	15117
<b>1</b>	NaN	NA	NA	NA	NA	906	906

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

readmission_60d	Mean	Min	Median	Max	Standard Deviation	N	Missing
<b>0</b>	77.098	0	86.0	197.1	37.647	15118	10601
<b>1</b>	22.450	0	1.4	155.5	38.231	906	541

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

readmission_60d	Mean	Min	Median	Max	Standard Deviation	N	Missing
<b>0</b>	57.052	0	62.1	170.5	39.121	15118	13789
<b>1</b>	42.360	0	31.7	132.5	43.037	906	755

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

readmission_60d	Mean	Min	Median	Max	Standard Deviation	N	Missing
<b>0</b>	38.313	0.0	29.8	142.7	38.708	15118	14696
<b>1</b>	48.392	0.1	39.3	137.4	46.088	906	844

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

readmission_60d	Mean	Min	Median	Max	Standard Deviation	N	Missing
<b>0</b>	31.150	0.0	6.7	127.6	37.064	15118	14945
<b>1</b>	43.537	0.4	22.3	144.3	48.961	906	887

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

readmission_60d	Mean	Min	Median	Max	Standard Deviation	N	Missing
<b>0</b>	28.764	0.0	6.0	110.3	35.115	15118	15046
<b>1</b>	19.178	0.1	0.2	82.4	33.631	906	897

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

readmission_60d	Mean	Min	Median	Max	Standard Deviation	N	Missing
<b>0</b>	34.836	0.0	3.95	142.3	44.491	15118	15090
<b>1</b>	8.075	0.1	4.00	24.2	11.339	906	902

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

readmission_60d	Mean	Min	Median	Max	Standard Deviation	N	Missing
<b>0</b>	19.983	0.2	2.6	80.9	28.743	15118	15106
<b>1</b>	NaN	NA	NA	NA	NA	906	906

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

readmission_60d	Mean	Min	Median	Max	Standard Deviation	N	Missing
<b>0</b>	21.72	4.8	8.7	63.2	24.892	15118	15113
<b>1</b>	NaN	NA	NA	NA	NA	906	906

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

readmission_60d	Mean	Min	Median	Max	Standard Deviation	N	Missing
<b>0</b>	36.8	36.8	36.8	36.8	NA	15118	15117
<b>1</b>	NaN	NA	NA	NA	NA	906	906

Table 32: Número de Mudanças do tipo de DCEI

readmission_60d	Mean	Min	Median	Max	Standard Deviation	N	Missing
<b>0</b>	0.086	0	0	3	0.294	15118	10604
<b>1</b>	0.099	0	0	2	0.325	906	542

Table 33: Número de atendimentos

readmission_60d	Mean	Min	Median	Max	Standard Deviation	N	Missing
<b>0</b>	2.242	1	2	51	2.041	15118	0
<b>1</b>	4.556	2	3	32	3.494	906	0

Table 34: Número da Admissão T0 (admissão índice)

readmission_60d	Mean	Min	Median	Max	Standard Deviation	N	Missing
<b>0</b>	1.408	1	1	32	1.051	15118	0
<b>1</b>	2.024	1	1	17	1.987	906	0

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

readmission_60d	Mean	Min	Median	Max	Standard Deviation	N	Missing
<b>0</b>	0.751	0	0	50	1.543	15118	0
<b>1</b>	2.508	0	2	25	2.666	906	0

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

readmission_60d	Mean	Min	Median	Max	Standard Deviation	N	Missing
<b>0</b>	0.518	0	0	38	1.183	15118	0
<b>1</b>	1.051	0	0	16	1.993	906	0

Table 37: Ano da admissão T0

readmission_60d	Mean	Min	Median	Max	Standard Deviation	N	Missing
<b>0</b>	2010.605	1999	2010	2021	5.804	15118	17
<b>1</b>	2010.250	1999	2010	2021	5.348	906	3

Table 38: UTI durante a admissão T0

readmission_60d	Mean	Min	Median	Max	Standard Deviation	N	Missing
<b>0</b>	1.830	0	0	213	7.789	15118	0
<b>1</b>	4.543	0	0	188	13.581	906	0

Table 39: Diálise durante a admissão T0

readmission_60d	Mean	Min	Median	Max	Standard Deviation	N	Missing
<b>0</b>	0.038	0	0	78	1.220	15118	0
<b>1</b>	0.028	0	0	10	0.405	906	0

Table 40: Readmissão em até 30 dias

readmission_60d	Mean	Min	Median	Max	Standard Deviation	N	Missing
<b>0</b>	0.000	0	0	0	0.000	15118	0
<b>1</b>	0.666	0	1	1	0.472	906	0

Table 41: Readmissão entre 31 a 60 dias

readmission_60d	Mean	Min	Median	Max	Standard Deviation	N	Missing
<b>0</b>	0	0	0	0	0	15118	0
<b>1</b>	1	1	1	1	0	906	0

Table 42: Readmissão entre 61 a 180 dias

readmission_60d	Mean	Min	Median	Max	Standard Deviation	N	Missing
<b>0</b>	0.039	0	0	1	0.193	15118	0
<b>1</b>	1.000	1	1	1	0.000	906	0

Table 43: Readmissão em até 1 ano

readmission_60d	Mean	Min	Median	Max	Standard Deviation	N	Missing
<b>0</b>	0.073	0	0	1	0.26	15118	0
<b>1</b>	1.000	1	1	1	0.00	906	0

Table 44: Número de procedimentos na admissão T0

readmission_60d	Mean	Min	Median	Max	Standard Deviation	N	Missing
<b>0</b>	1.016	1	1	5	0.143	15118	0
<b>1</b>	1.019	1	1	3	0.158	906	0

Table 45: Número de procedimentos em até 30 dias

readmission_60d	Mean	Min	Median	Max	Standard Deviation	N	Missing
<b>0</b>	0.000	0	0	1	0.016	15118	0
<b>1</b>	0.136	0	0	3	0.379	906	0

Table 46: Número de procedimentos em até 60 dias

readmission_60d	Mean	Min	Median	Max	Standard Deviation	N	Missing
<b>0</b>	0.000	0	0	1	0.014	15118	0
<b>1</b>	0.153	0	0	3	0.398	906	0

Table 47: Número de procedimentos em até 180 dias

readmission_60d	Mean	Min	Median	Max	Standard Deviation	N	Missing
<b>0</b>	0.010	0	0	4	0.118	15118	0
<b>1</b>	0.047	0	0	3	0.255	906	0

Table 48: Número de procedimentos em até 1 ano

readmission_60d	Mean	Min	Median	Max	Standard Deviation	N	Missing
<b>0</b>	0.010	0	0	3	0.120	15118	0
<b>1</b>	0.025	0	0	3	0.183	906	0

Table 49: Tempo de seguimento total (anos)

readmission_60d	Mean	Min	Median	Max	Standard Deviation	N	Missing
<b>0</b>	5.868	0	4.4	22.6	5.266	15118	0
<b>1</b>	4.420	0	2.8	22.0	4.756	906	0



Table 50: Óbito intraoperatório

readmission_60d	Mean	Min	Median	Max	Standard Deviation	N	Missing
<b>0</b>	0.001	0	0	1	0.027	15118	0
<b>1</b>	0.000	0	0	0	0.000	906	0

Table 51: Óbito hospitalar (intraoperatório ou admissao T0)

readmission_60d	Mean	Min	Median	Max	Standard Deviation	N	Missing
<b>0</b>	0.017	0	0	1	0.131	15118	0
<b>1</b>	0.000	0	0	0	0.000	906	0

Table 52: Óbito durante algum episódio de readmissão hospitalar

readmission_60d	Mean	Min	Median	Max	Standard Deviation	N	Missing
<b>0</b>	0.069	0	0	1	0.254	15118	0
<b>1</b>	0.287	0	0	1	0.453	906	0

Table 53: Óbito em até 30 dias após a alta T0

readmission_60d	Mean	Min	Median	Max	Standard Deviation	N	Missing
<b>0</b>	1	1	1	1	0	15118	15089
<b>1</b>	1	1	1	1	0	906	864

Table 54: Óbito em até 180 dias após a alta T0

readmission_60d	Mean	Min	Median	Max	Standard Deviation	N	Missing
<b>0</b>	1	1	1	1	0	15118	14976
<b>1</b>	1	1	1	1	0	906	789

Table 55: Óbito em até 1 ano após a alta T0

readmission_60d	Mean	Min	Median	Max	Standard Deviation	N	Missing
<b>0</b>	1	1	1	1	0	15118	14962
<b>1</b>	1	1	1	1	0	906	875

Table 56: Óbito em até 2 anos após a alta T0

readmission_60d	Mean	Min	Median	Max	Standard Deviation	N	Missing
<b>0</b>	1	1	1	1	0	15118	14905
<b>1</b>	1	1	1	1	0	906	882

Table 57: Óbito em até 3 anos após a alta T0

readmission_60d	Mean	Min	Median	Max	Standard Deviation	N	Missing
<b>0</b>	1	1	1	1	0	15118	14971
<b>1</b>	1	1	1	1	0	906	895

Table 58: Óbito (status final)

readmission_60d	Mean	Min	Median	Max	Standard Deviation	N	Missing
<b>0</b>	0.165	0	0	1	0.371	15118	0
<b>1</b>	0.339	0	0	1	0.474	906	0

Table 59: Tempo de sobrevida (anos)

readmission_60d	Mean	Min	Median	Max	Standard Deviation	N	Missing
<b>0</b>	3.865	0	2.4	20.1	4.147	15118	13378
<b>1</b>	1.763	0	0.3	17.3	2.889	906	624

Table 60: Diárias no serviço de Emergência na admissão T0

readmission_60d	Mean	Min	Median	Max	Standard Deviation	N	Missing
<b>0</b>	0.305	0	0	27	1.300	15118	5670
<b>1</b>	0.606	0	0	28	2.189	906	338

Table 61: Anticoagulantes orais

readmission_60d	Mean	Min	Median	Max	Standard Deviation	N	Missing
<b>0</b>	0.281	0	0	98	2.429	15118	3337
<b>1</b>	0.662	0	0	32	2.768	906	182

Table 62: Antiarrítmicos

readmission_60d	Mean	Min	Median	Max	Standard Deviation	N	Missing
<b>0</b>	3.814	0	0	575	18.847	15118	3337
<b>1</b>	11.492	0	0	844	44.718	906	182

Table 63: Antihipertensivo

readmission_60d	Mean	Min	Median	Max	Standard Deviation	N	Missing
<b>0</b>	0.472	0	0	349	5.394	15118	3337
<b>1</b>	1.007	0	0	160	7.950	906	182

Table 64: Betabloqueador

readmission_60d	Mean	Min	Median	Max	Standard Deviation	N	Missing
<b>0</b>	1.031	0	0	388	7.830	15118	3337
<b>1</b>	2.407	0	0	182	11.537	906	182

Table 65: IECA/BRA

readmission_60d	Mean	Min	Median	Max	Standard Deviation	N	Missing
<b>0</b>	8.73	0	2	773	21.953	15118	3337
<b>1</b>	14.42	0	4	208	28.412	906	182

Table 66: DVA

readmission_60d	Mean	Min	Median	Max	Standard Deviation	N	Missing
<b>0</b>	7.111	0	0	1917	45.787	15118	3337
<b>1</b>	15.728	0	0	1044	64.787	906	182

Table 67: Digoxina

readmission_60d	Mean	Min	Median	Max	Standard Deviation	N	Missing
<b>0</b>	0.216	0	0	50	1.556	15118	3337
<b>1</b>	0.577	0	0	47	3.082	906	182

Table 68: Estatinas

readmission_60d	Mean	Min	Median	Max	Standard Deviation	N	Missing
<b>0</b>	5.008	0	0	421	16.330	15118	3337
<b>1</b>	9.892	0	0	413	27.008	906	182

Table 69: Diuretico

readmission_60d	Mean	Min	Median	Max	Standard Deviation	N	Missing
<b>0</b>	10.814	0	0	2966	66.354	15118	3337
<b>1</b>	28.372	0	2	1290	114.481	906	182

Table 70: Vasodilator

readmission_60d	Mean	Min	Median	Max	Standard Deviation	N	Missing
<b>0</b>	9.341	0	0	3820.5	58.874	15118	3337
<b>1</b>	26.790	0	0	2408.0	123.740	906	182

Table 71: Insuficiência cardíaca (ivabradina, levosimendan, milrinona, nesiritida, carvedilol)

readmission_60d	Mean	Min	Median	Max	Standard Deviation	N	Missing
<b>0</b>	4.331	0	0	426	15.912	15118	3337
<b>1</b>	9.925	0	0	453	30.549	906	182

Table 72: Antagonista da Aldosterona (espironolactona)

readmission_60d	Mean	Min	Median	Max	Standard Deviation	N	Missing
<b>0</b>	1.975	0	0	255	7.852	15118	3337
<b>1</b>	5.092	0	0	130	14.001	906	182

Table 73: Bloqueador do canal de calcio

readmission_60d	Mean	Min	Median	Max	Standard Deviation	N	Missing
<b>0</b>	0.482	0	0	509	8.664	15118	3337
<b>1</b>	3.058	0	0	230	19.325	906	182

Table 74: Trombolitico

readmission_60d	Mean	Min	Median	Max	Standard Deviation	N	Missing
<b>0</b>	0.001	0	0	3	0.049	15118	3337
<b>1</b>	0.000	0	0	0	0.000	906	182

Table 75: Antiplaquetario VO

readmission_60d	Mean	Min	Median	Max	Standard Deviation	N	Missing
<b>0</b>	0	0	0	0	0	15118	3337
<b>1</b>	0	0	0	0	0	906	182

Table 76: Antiplaquetario EV

readmission_60d	Mean	Min	Median	Max	Standard Deviation	N	Missing
<b>0</b>	0.011	0	0	8	0.177	15118	3337
<b>1</b>	0.022	0	0	3	0.209	906	182

Table 77: Insulina

readmission_60d	Mean	Min	Median	Max	Standard Deviation	N	Missing
<b>0</b>	0.099	0	0	16	0.496	15118	3337
<b>1</b>	0.160	0	0	6	0.580	906	182

Table 78: Hipoglicemiante

readmission_60d	Mean	Min	Median	Max	Standard Deviation	N	Missing
<b>0</b>	0.333	0	0	79	2.561	15118	3337
<b>1</b>	0.677	0	0	90	5.508	906	182

Table 79: Hormonio tireoidiano

readmission_60d	Mean	Min	Median	Max	Standard Deviation	N	Missing
<b>0</b>	0	0	0	0	0	15118	3337
<b>1</b>	0	0	0	0	0	906	182

Table 80: Broncodilatador

readmission_60d	Mean	Min	Median	Max	Standard Deviation	N	Missing
<b>0</b>	0	0	0	0	0	15118	3337
<b>1</b>	0	0	0	0	0	906	182

Table 81: Anticonvulsivante

readmission_60d	Mean	Min	Median	Max	Standard Deviation	N	Missing
<b>0</b>	0.852	0	0	334	9.600	15118	3337
<b>1</b>	4.153	0	0	390	28.686	906	182

Table 82: Psicofármacos (Ansiolítico/ antidepresivo/ antipsicótico)

readmission_60d	Mean	Min	Median	Max	Standard Deviation	N	Missing
<b>0</b>	3.742	0	0	573	13.855	15118	3337
<b>1</b>	9.097	0	1	251	24.339	906	182

Table 83: Antibióticos

readmission_60d	Mean	Min	Median	Max	Standard Deviation	N	Missing
<b>0</b>	14.554	0	4	1812	63.536	15118	3337
<b>1</b>	24.464	0	4	751	67.107	906	182

Table 84: Antifúngicos

readmission_60d	Mean	Min	Median	Max	Standard Deviation	N	Missing
<b>0</b>	0.414	0	0	122	4.233	15118	3337
<b>1</b>	1.073	0	0	99	6.507	906	182

Table 85: Antiviral

readmission_60d	Mean	Min	Median	Max	Standard Deviation	N	Missing
<b>0</b>	0.084	0	0	131	2.297	15118	3337
<b>1</b>	0.740	0	0	103	6.567	906	182

Table 86: Antiretroviral

readmission_60d	Mean	Min	Median	Max	Standard Deviation	N	Missing
<b>0</b>	0.009	0	0	32	0.456	15118	3337
<b>1</b>	0.006	0	0	4	0.149	906	182

Table 87: Quantidade de classes medicamentosas utilizadas

readmission_60d	Mean	Min	Median	Max	Standard Deviation	N	Missing
<b>0</b>	4.717	1	4	17	2.533	15118	4731
<b>1</b>	6.324	1	6	16	2.955	906	283

Table 88: Quantidade de classes medicamentosas de ação cardiovascular

readmission_60d	Mean	Min	Median	Max	Standard Deviation	N	Missing
<b>0</b>	3.088	1	3	10	1.753	15118	6278
<b>1</b>	4.044	1	4	9	2.034	906	317

Table 89: Quantidade de medicamentos de ação cardiovascular

readmission_60d	Mean	Min	Median	Max	Standard Deviation	N	Missing
<b>0</b>	48.318	0	10	8738	168.770	15118	3337
<b>1</b>	118.866	0	26	5140	313.844	906	182

Table 90: Quantidade de antimicrobianos (antibióticos e antifúngicos)

readmission_60d	Mean	Min	Median	Max	Standard Deviation	N	Missing
<b>0</b>	14.968	0	4	1812	65.114	15118	3337
<b>1</b>	25.537	0	4	812	71.420	906	182

Table 91: Ventilação não invasiva

readmission_60d	Mean	Min	Median	Max	Standard Deviation	N	Missing
<b>0</b>	0.051	0	0	114	1.597	15118	2629
<b>1</b>	0.000	0	0	0	0.000	906	137

Table 92: Instalação de CEC

readmission_60d	Mean	Min	Median	Max	Standard Deviation	N	Missing
<b>0</b>	0.012	0	0	2	0.11	15118	2629
<b>1</b>	0.030	0	0	1	0.17	906	137

Table 93: Cirurgia Cardiovascular

readmission_60d	Mean	Min	Median	Max	Standard Deviation	N	Missing
<b>0</b>	0.058	0	0	9	0.383	15118	2629
<b>1</b>	0.073	0	0	6	0.462	906	137

Table 94: Transplante cardíaco

readmission_60d	Mean	Min	Median	Max	Standard Deviation	N	Missing
<b>0</b>	0.001	0	0	1	0.031	15118	2629
<b>1</b>	0.013	0	0	1	0.113	906	137

Table 95: Cirurgia Toracica

readmission_60d	Mean	Min	Median	Max	Standard Deviation	N	Missing
<b>0</b>	0.003	0	0	9	0.104	15118	2629
<b>1</b>	0.010	0	0	2	0.135	906	137

Table 96: Outros procedimentos cirúrgicos (cir geral, gastrocir, plástica, uro, vascular)

readmission_60d	Mean	Min	Median	Max	Standard Deviation	N	Missing
<b>0</b>	0.111	0	0	22	0.566	15118	2629
<b>1</b>	0.215	0	0	9	0.803	906	137

Table 97: Traqueostomia

readmission_60d	Mean	Min	Median	Max	Standard Deviation	N	Missing
<b>0</b>	0.002	0	0	8	0.093	15118	2629
<b>1</b>	0.001	0	0	1	0.036	906	137

Table 98: Intervenção coronária percutânea

readmission_60d	Mean	Min	Median	Max	Standard Deviation	N	Missing
<b>0</b>	0.011	0	0	4	0.127	15118	2629
<b>1</b>	0.030	0	0	4	0.266	906	137

Table 99: Intervenção cardiovascular em laboratório de hemodinâmica (alcoolização septal, valvoplastia percutânea, stent em vasos pulmonares)

readmission_60d	Mean	Min	Median	Max	Standard Deviation	N	Missing
<b>0</b>	0.007	0	0	3	0.115	15118	2629
<b>1</b>	0.010	0	0	2	0.125	906	137

Table 100: Stent

readmission_60d	Mean	Min	Median	Max	Standard Deviation	N	Missing
<b>0</b>	0	0	0	1	0.009	15118	2629
<b>1</b>	0	0	0	0	0.000	906	137

Table 101: Angioplastia

readmission_60d	Mean	Min	Median	Max	Standard Deviation	N	Missing
<b>0</b>	0.001	0	0	2	0.041	15118	2629
<b>1</b>	0.004	0	0	1	0.062	906	137

Table 102: Cateterismo

readmission_60d	Mean	Min	Median	Max	Standard Deviation	N	Missing
<b>0</b>	0.119	0	0	5	0.395	15118	2629
<b>1</b>	0.233	0	0	7	0.583	906	137

Table 103: Eletrofisiologia

readmission_60d	Mean	Min	Median	Max	Standard Deviation	N	Missing
<b>0</b>	0.078	0	0	11	0.468	15118	2629
<b>1</b>	0.148	0	0	6	0.616	906	137

Table 104: Suporte cardiocirculatório (ECMO, BIA, Bio-PUMP)

readmission_60d	Mean	Min	Median	Max	Standard Deviation	N	Missing
<b>0</b>	0.047	0	0	152	2.035	15118	2629
<b>1</b>	1.432	0	0	535	21.614	906	137

Table 105: Cateter venoso central

readmission_60d	Mean	Min	Median	Max	Standard Deviation	N	Missing
<b>0</b>	0.027	0	0	5	0.201	15118	2629
<b>1</b>	0.083	0	0	4	0.373	906	137



Table 106: Drenagem de tórax (instalação /troca) e punção pericárdica ou pleural

readmission_60d	Mean	Min	Median	Max	Standard Deviation	N	Missing
<b>0</b>	0.007	0	0	6	0.121	15118	2629
<b>1</b>	0.007	0	0	4	0.149	906	137

Table 107: Quantidade de procedimentos invasivos

readmission_60d	Mean	Min	Median	Max	Standard Deviation	N	Missing
<b>0</b>	0.485	0	0	159	2.547	15118	2629
<b>1</b>	2.289	0	0	554	22.583	906	137

Table 108: Cardioversão/ Desfibrilação (sessão)

readmission_60d	Mean	Min	Median	Max	Standard Deviation	N	Missing
<b>0</b>	0.006	0	0	5	0.124	15118	3412
<b>1</b>	0.014	0	0	3	0.167	906	192

Table 109: Transfusão de hemoderivados

readmission_60d	Mean	Min	Median	Max	Standard Deviation	N	Missing
<b>0</b>	0.050	0	0	61	0.985	15118	2629
<b>1</b>	0.104	0	0	18	0.984	906	137

Table 110: Interconsulta médica (Especialidades cirúrgicas, infecto, uro, nefro, psiquiatra, dermatologista, alergista, oncologista, geriatra, etc)

readmission_60d	Mean	Min	Median	Max	Standard Deviation	N	Missing
<b>0</b>	0.397	0	0	199	3.390	15118	2629
<b>1</b>	0.701	0	0	67	4.068	906	137

Table 111: Equipe Multiprofissional (enf, fono, fisio, nutri, serviço social, psicologia)

readmission_60d	Mean	Min	Median	Max	Standard Deviation	N	Missing
<b>0</b>	3.285	0	0	420	14.721	15118	2629
<b>1</b>	7.264	0	1	318	24.430	906	137

Table 112: ECG

readmission_60d	Mean	Min	Median	Max	Standard Deviation	N	Missing
<b>0</b>	3.981	0	2	141	6.187	15118	2629
<b>1</b>	6.811	0	4	140	10.508	906	137

Table 113: Holter

readmission_60d	Mean	Min	Median	Max	Standard Deviation	N	Missing
<b>0</b>	0.103	0	0	5	0.353	15118	2629
<b>1</b>	0.181	0	0	3	0.436	906	137

Table 114: Teste de esforço

readmission_60d	Mean	Min	Median	Max	Standard Deviation	N	Missing
<b>0</b>	0.01	0	0	3	0.104	15118	2629
<b>1</b>	0.02	0	0	2	0.147	906	137

Table 115: Espirometria / Ergoespirometria

readmission_60d	Mean	Min	Median	Max	Standard Deviation	N	Missing
<b>0</b>	0.004	0	0	2	0.066	15118	2629
<b>1</b>	0.010	0	0	1	0.102	906	137

Table 116: Tilt Test

readmission_60d	Mean	Min	Median	Max	Standard Deviation	N	Missing
<b>0</b>	0.002	0	0	2	0.048	15118	2629
<b>1</b>	0.007	0	0	1	0.080	906	137

Table 117: Polissonografia

readmission_60d	Mean	Min	Median	Max	Standard Deviation	N	Missing
<b>0</b>	0.001	0	0	2	0.042	15118	2629
<b>1</b>	0.004	0	0	2	0.081	906	137

Table 118: Quantidade de exames por métodos gráficos

readmission_60d	Mean	Min	Median	Max	Standard Deviation	N	Missing
<b>0</b>	4.101	0	2	143	6.316	15118	2629
<b>1</b>	7.033	0	4	140	10.627	906	137

Table 119: Exames laboratoriais (exames bioquímicos, exames hematologia/coagulação, anticorpos, dosagem sérica de fármacos)

readmission_60d	Mean	Min	Median	Max	Standard Deviation	N	Missing
<b>0</b>	64.588	0	10	3608	192.827	15118	2629
<b>1</b>	140.394	0	33	3238	322.818	906	137

Table 120: Culturas (hemocultura, cultura de secreções, urocultura e cultura de cateteres)

readmission_60d	Mean	Min	Median	Max	Standard Deviation	N	Missing
<b>0</b>	0.350	0	0	48	1.543	15118	2629
<b>1</b>	0.702	0	0	19	2.022	906	137

Table 121: Quantidade de exames de análises clínicas

readmission_60d	Mean	Min	Median	Max	Standard Deviation	N	Missing
<b>0</b>	64.938	0	10	3645	194.039	15118	2629
<b>1</b>	141.096	0	33	3253	324.526	906	137

Table 122: Citologias

readmission_60d	Mean	Min	Median	Max	Standard Deviation	N	Missing
<b>0</b>	0.008	0	0	8	0.146	15118	2629
<b>1</b>	0.023	0	0	4	0.221	906	137

Table 123: Biopsias (cardíaca, esterno, parede torácica, tumor em mediastino, pulmonar)

readmission_60d	Mean	Min	Median	Max	Standard Deviation	N	Missing
<b>0</b>	0.010	0	0	8	0.185	15118	2629
<b>1</b>	0.108	0	0	10	0.757	906	137

Table 124: Quantidade de exames histopatológicos

readmission_60d	Mean	Min	Median	Max	Standard Deviation	N	Missing
<b>0</b>	0.018	0	0	8	0.238	15118	2629
<b>1</b>	0.131	0	0	10	0.829	906	137

Table 125: Angio RM

readmission_60d	Mean	Min	Median	Max	Standard Deviation	N	Missing
<b>0</b>	0.004	0	0	4	0.082	15118	2629
<b>1</b>	0.010	0	0	2	0.125	906	137

Table 126: Angio TC

readmission_60d	Mean	Min	Median	Max	Standard Deviation	N	Missing
<b>0</b>	0.036	0	0	9	0.254	15118	2629
<b>1</b>	0.049	0	0	2	0.234	906	137

Table 127: Angiografia

readmission_60d	Mean	Min	Median	Max	Standard Deviation	N	Missing
<b>0</b>	0.002	0	0	3	0.051	15118	2629
<b>1</b>	0.003	0	0	1	0.051	906	137

Table 128: Aortografia

readmission_60d	Mean	Min	Median	Max	Standard Deviation	N	Missing
<b>0</b>	0.002	0	0	2	0.051	15118	2629
<b>1</b>	0.003	0	0	1	0.051	906	137

Table 129: Arteriografia

readmission_60d	Mean	Min	Median	Max	Standard Deviation	N	Missing
<b>0</b>	0.000	0	0	1	0.022	15118	2629
<b>1</b>	0.004	0	0	2	0.081	906	137

Table 130: Cavografia

readmission_60d	Mean	Min	Median	Max	Standard Deviation	N	Missing
<b>0</b>	0.008	0	0	1	0.086	15118	2629
<b>1</b>	0.008	0	0	1	0.088	906	137

Table 131: Cintilografia

readmission_60d	Mean	Min	Median	Max	Standard Deviation	N	Missing
<b>0</b>	0.062	0	0	5	0.346	15118	2629
<b>1</b>	0.133	0	0	4	0.487	906	137

Table 132: Ecocardiograma

readmission_60d	Mean	Min	Median	Max	Standard Deviation	N	Missing
<b>0</b>	0.542	0	0	24	1.200	15118	2629
<b>1</b>	1.091	0	1	24	2.391	906	137

Table 133: Exames endoscópicos (EDA, colonoscopia, retossigmoidoscopia, broncoscopia)

readmission_60d	Mean	Min	Median	Max	Standard Deviation	N	Missing
<b>0</b>	0.017	0	0	6	0.172	15118	2629
<b>1</b>	0.059	0	0	3	0.315	906	137

Table 134: Flebografia

readmission_60d	Mean	Min	Median	Max	Standard Deviation	N	Missing
<b>0</b>	0.035	0	0	5	0.285	15118	2629
<b>1</b>	0.053	0	0	5	0.376	906	137

Table 135: PET-CT

readmission_60d	Mean	Min	Median	Max	Standard Deviation	N	Missing
<b>0</b>	0.005	0	0	3	0.077	15118	2629
<b>1</b>	0.012	0	0	2	0.119	906	137

Table 136: Ultrassom

readmission_60d	Mean	Min	Median	Max	Standard Deviation	N	Missing
<b>0</b>	0.182	0	0	28	0.868	15118	2629
<b>1</b>	0.469	0	0	12	1.399	906	137

Table 137: Tomografia

readmission_60d	Mean	Min	Median	Max	Standard Deviation	N	Missing
<b>0</b>	0.167	0	0	15	0.700	15118	2629
<b>1</b>	0.306	0	0	10	0.922	906	137

Table 138: Radiografias

readmission_60d	Mean	Min	Median	Max	Standard Deviation	N	Missing
<b>0</b>	3.213	0	1	261	8.474	15118	2629
<b>1</b>	6.036	0	2	184	13.913	906	137

Table 139: Ressonancia magnetica

readmission_60d	Mean	Min	Median	Max	Standard Deviation	N	Missing
<b>0</b>	0.068	0	0	6	0.299	15118	2629
<b>1</b>	0.148	0	0	3	0.419	906	137

Table 140: Quantidade de exames diagnóstico por imagem

readmission_60d	Mean	Min	Median	Max	Standard Deviation	N	Missing
<b>0</b>	4.344	0	2	281	10.374	15118	2629
<b>1</b>	8.384	0	4	200	17.005	906	137

Table 141: Dieta enteral (frasco)

readmission_60d	Mean	Min	Median	Max	Standard Deviation	N	Missing
<b>0</b>	0.061	0	0	195	2.592	15118	3414
<b>1</b>	0.186	0	0	111	4.220	906	192

Table 142: Dieta parenteral (frasco)

readmission_60d	Mean	Min	Median	Max	Standard Deviation	N	Missing
<b>0</b>	0.003	0	0	14	0.148	15118	3414
<b>1</b>	0.000	0	0	0	0.000	906	192

Table 143: Bomba de infusão contínua (horas)

readmission_60d	Mean	Min	Median	Max	Standard Deviation	N	Missing
<b>0</b>	1.038	0	0	1527	23.705	15118	3414
<b>1</b>	3.175	0	0	743	35.698	906	192

Table 144: Marca-passo temporário (por hora)

readmission_60d	Mean	Min	Median	Max	Standard Deviation	N	Missing
<b>0</b>	0.171	0	0	180	3.288	15118	3414
<b>1</b>	0.244	0	0	66	3.431	906	192

## 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(align = "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(align = "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 145: Contingency table between readmission 60d and Sexo

readmission_60d	Sexo		Total
	0	1	
0	7134 (94%)	7984 (94%)	15118
1	430 (6%)	476 (6%)	906
Total	7564 (100%)	8460 (100%)	16024

Table 146: Contingency table between readmission 60d and Doença cardíaca

readmission_60d	Doença cardíaca				Total
	0	1	2	NA	
0	8801 (95%)	1082 (92%)	3309 (94%)	1926 (95%)	15118
1	483 (5%)	90 (8%)	222 (6%)	111 (5%)	906
Total	9284 (100%)	1172 (100%)	3531 (100%)	2037 (100%)	16024

Table 147: Contingency table between readmission 60d and Hipertensão arterial

readmission_60d	Hipertensão arterial		Total
	0	1	
0	11461 (94%)	3657 (94%)	15118
1	679 (6%)	227 (6%)	906
Total	12140 (100%)	3884 (100%)	16024



Table 148: Contingency table between readmission 60d and Infarto do miocárdio prévio / Doença arterial coronariana

readmission_60d	Infarto do miocárdio prévio / Doença arterial coronariana		Total
	0	1	
0	13758 (95%)	1360 (92%)	15118
1	788 (5%)	118 (8%)	906
Total	14546 (100%)	1478 (100%)	16024

Table 149: Contingency table between readmission 60d and Insuficiência cardíaca

readmission_60d	Insuficiência cardíaca		Total
	0	1	
0	9741 (95%)	5377 (92%)	15118
1	465 (5%)	441 (8%)	906
Total	10206 (100%)	5818 (100%)	16024

Table 150: Contingency table between readmission 60d and Fibrilação / flutter atrial

readmission_60d	Fibrilação / flutter atrial		Total
	0	1	
0	12871 (95%)	2247 (93%)	15118
1	737 (5%)	169 (7%)	906
Total	13608 (100%)	2416 (100%)	16024

Table 151: Contingency table between readmission 60d and Parada cardíaca prévia/ Taquicardia ventricular instável

readmission_60d	Parada cardíaca prévia/ Taquicardia ventricular instável		Total
	0	1	
0	13331 (95%)	1787 (93%)	15118
1	773 (5%)	133 (7%)	906
Total	14104 (100%)	1920 (100%)	16024

Table 152: Contingency table between readmission 60d and Transplante cardíaco prévio

readmission_60d	Transplante cardíaco prévio		Total
	0	1	
0	15109 (94%)	9 (69%)	15118
1	902 (6%)	4 (31%)	906
Total	16011 (100%)	13 (100%)	16024

Table 153: Contingency table between readmission 60d and Valvopatias/ Prótese valvares

readmission_60d	Valvopatias/ Prótese valvares		Total
	0	1	
0	14121 (94%)	997 (93%)	15118
1	827 (6%)	79 (7%)	906
Total	14948 (100%)	1076 (100%)	16024

Table 154: Contingency table between readmission 60d and Endocardite prévia

readmission_60d	Endocardite prévia		Total
	0	1	
0	14992 (94%)	126 (91%)	15118
1	894 (6%)	12 (9%)	906
Total	15886 (100%)	138 (100%)	16024

Table 155: Contingency table between readmission 60d and Diabetes melittus

readmission_60d	Diabetes melittus		Total
	0	1	
0	13307 (95%)	1811 (93%)	15118
1	772 (5%)	134 (7%)	906
Total	14079 (100%)	1945 (100%)	16024

Table 156: Contingency table between readmission 60d and Insuficiência renal crônica

readmission_60d	Insuficiência renal crônica		Total
	0	1	
0	14512 (94%)	606 (93%)	15118
1	862 (6%)	44 (7%)	906
Total	15374 (100%)	650 (100%)	16024

Table 157: Contingency table between readmission 60d and Hemodiálise

readmission_60d	Hemodiálise		Total
	0	1	
0	15100 (94%)	18 (82%)	15118
1	902 (6%)	4 (18%)	906
Total	16002 (100%)	22 (100%)	16024

Table 158: Contingency table between readmission 60d and Acidente Vascular Cerebral/ Acidente isquêmico transitório prévios

readmission_60d	Acidente Vascular Cerebral/ Acidente isquêmico transitório prévios		Total
	0	1	
0	14644 (94%)	474 (94%)	15118
1	874 (6%)	32 (6%)	906
Total	15518 (100%)	506 (100%)	16024

Table 159: Contingency table between readmission 60d and Doença pulmonar obstrutiva crônica

readmission_60d	Doença pulmonar obstrutiva crônica		Total
	0	1	
0	14914 (94%)	204 (93%)	15118
1	891 (6%)	15 (7%)	906
Total	15805 (100%)	219 (100%)	16024

Table 160: Contingency table between readmission 60d and Neoplasia em tratamento ou tratada recentemente (12 meses)

readmission_60d	Neoplasia em tratamento ou tratada recentemente (12 meses)		Total
	0	1	
0	15012 (94%)	106 (92%)	15118
1	897 (6%)	9 (8%)	906
Total	15909 (100%)	115 (100%)	16024

Table 161: Contingency table between readmission 60d and Tipo de Procedimento 1

readmission_60d	Tipo de Procedimento 1		Total
	1	2	
0	10380 (93%)	4738 (97%)	15118
1	749 (7%)	157 (3%)	906
Total	11129 (100%)	4895 (100%)	16024

Table 162: Contingency table between readmission 60d and Tipo de Reoperação 1

readmission_60d	Tipo de Reoperação 1				Total
	1	2	3	NA	
0	3825 (97%)	881 (94%)	32 (94%)	10380 (93%)	15118
1	103 (3%)	52 (6%)	2 (6%)	749 (7%)	906
Total	3928 (100%)	933 (100%)	34 (100%)	11129 (100%)	16024

Table 163: Contingency table between readmission 60d and Tipo de Dispositivo ao final do procedimento 1

readmission_60d	Tipo de Dispositivo ao final do procedimento 1				Total
	1	2	3	4	
0	11883 (95%)	1633 (91%)	1188 (92%)	414 (90%)	15118
1	592 (5%)	158 (9%)	110 (8%)	46 (10%)	906
Total	12475 (100%)	1791 (100%)	1298 (100%)	460 (100%)	16024

Table 164: Contingency table between readmission 60d and Óbito intraoperatório 1

readmission_60d	Óbito intraoperatório 1		Total
	0	1	
0	15111 (94%)	7 (100%)	15118
1	906 (6%)	0 (0%)	906
Total	16017 (100%)	7 (100%)	16024

Table 165: Contingency table between readmission 60d and Tipo de Reoperação 2

readmission_60d	Tipo de Reoperação 2				Total
	1	2	3	NA	
0	3172 (97%)	1262 (85%)	76 (63%)	10608 (95%)	15118
1	88 (3%)	231 (15%)	45 (37%)	542 (5%)	906
Total	3260 (100%)	1493 (100%)	121 (100%)	11150 (100%)	16024

Table 166: Contingency table between readmission 60d and Tipo de Dispositivo ao final do procedimento 2

readmission_60d	Tipo de Dispositivo ao final do procedimento 2					Total
	1	2	3	4	NA	
0	3390 (93%)	586 (91%)	354 (91%)	181 (89%)	10607 (95%)	15118
1	248 (7%)	59 (9%)	34 (9%)	22 (11%)	543 (5%)	906
Total	3638 (100%)	645 (100%)	388 (100%)	203 (100%)	11150 (100%)	16024

Table 167: Contingency table between readmission 60d and Óbito intraoperatório 2

readmission_60d	Óbito intraoperatório 2		Total
	0	NA	
0	4516 (93%)	10602 (95%)	15118
1	365 (7%)	541 (5%)	906
Total	4881 (100%)	11143 (100%)	16024

Table 168: Contingency table between readmission 60d and Tipo de Reoperação 3

readmission_60d	Tipo de Reoperação 3				Total
	1	2	3	NA	
0	670 (93%)	508 (88%)	52 (84%)	13888 (95%)	15118
1	54 (7%)	72 (12%)	10 (16%)	770 (5%)	906
Total	724 (100%)	580 (100%)	62 (100%)	14658 (100%)	16024

Table 169: Contingency table between readmission 60d and Tipo de Dispositivo ao final do procedimento 3

readmission_60d	Tipo de Dispositivo ao final do procedimento 3					Total
	1	2	3	4	NA	
0	874 (90%)	220 (87%)	147 (92%)	88 (89%)	13789 (95%)	15118
1	94 (10%)	32 (13%)	13 (8%)	11 (11%)	756 (5%)	906
Total	968 (100%)	252 (100%)	160 (100%)	99 (100%)	14545 (100%)	16024

Table 170: Contingency table between readmission 60d and Óbito intraoperatório 3

readmission_60d	Óbito intraoperatório 3			Total
	0	1	NA	
0	1325 (90%)	4 (100%)	13789 (95%)	15118
1	151 (10%)	0 (0%)	755 (5%)	906
Total	1476 (100%)	4 (100%)	14544 (100%)	16024

Table 171: Contingency table between readmission 60d and Tipo de Reoperação 4

readmission_60d	Tipo de Reoperação 4				Total
	1	2	3	NA	
0	163 (85%)	220 (88%)	31 (94%)	14704 (95%)	15118
1	29 (15%)	31 (12%)	2 (6%)	844 (5%)	906
Total	192 (100%)	251 (100%)	33 (100%)	15548 (100%)	16024

Table 172: Contingency table between readmission 60d and Tipo de Dispositivo ao final do procedimento 4

readmission_60d	Tipo de Dispositivo ao final do procedimento 4					Total
	1	2	3	4	NA	
0	247 (86%)	97 (88%)	43 (96%)	36 (86%)	14695 (95%)	15118
1	41 (14%)	13 (12%)	2 (4%)	6 (14%)	844 (5%)	906
Total	288 (100%)	110 (100%)	45 (100%)	42 (100%)	15539 (100%)	16024

Table 173: Contingency table between readmission 60d and Óbito intraoperatório 4

readmission_60d	Óbito intraoperatório 4		Total
	0	NA	
0	423 (87%)	14695 (95%)	15118
1	62 (13%)	844 (5%)	906
Total	485 (100%)	15539 (100%)	16024

Table 174: Contingency table between readmission 60d and Tipo de Reoperação 5

readmission_60d	Tipo de Reoperação 5				Total
	1	2	3	NA	
0	63 (89%)	97 (92%)	12 (86%)	14946 (94%)	15118
1	8 (11%)	9 (8%)	2 (14%)	887 (6%)	906
Total	71 (100%)	106 (100%)	14 (100%)	15833 (100%)	16024

Table 175: Contingency table between readmission 60d and Tipo de Dispositivo ao final do procedimento 5

readmission_60d	Tipo de Dispositivo ao final do procedimento 5					Total
	1	2	3	4	NA	
0	88 (88%)	50 (89%)	21 (95%)	13 (100%)	14946 (94%)	15118
1	12 (12%)	6 (11%)	1 (5%)	0 (0%)	887 (6%)	906
Total	100 (100%)	56 (100%)	22 (100%)	13 (100%)	15833 (100%)	16024

Table 176: Contingency table between readmission 60d and Óbito intraoperatório 5

readmission_60d	Óbito intraoperatório 5		Total
	0	NA	
0	173 (90%)	14945 (94%)	15118
1	19 (10%)	887 (6%)	906
Total	192 (100%)	15832 (100%)	16024

Table 177: Contingency table between readmission 60d and Tipo de Reoperação 6

readmission_60d	Tipo de Reoperação 6				Total
	1	2	3	NA	
0	23 (88%)	42 (91%)	4 (67%)	15049 (94%)	15118
1	3 (12%)	4 (9%)	2 (33%)	897 (6%)	906
Total	26 (100%)	46 (100%)	6 (100%)	15946 (100%)	16024

Table 178: Contingency table between readmission 60d and Tipo de Dispositivo ao final do procedimento 6

readmission_60d	Tipo de Dispositivo ao final do procedimento 6					Total
	1	2	3	4	NA	
0	35 (88%)	21 (84%)	7 (100%)	9 (100%)	15046 (94%)	15118
1	5 (12%)	4 (16%)	0 (0%)	0 (0%)	897 (6%)	906
Total	40 (100%)	25 (100%)	7 (100%)	9 (100%)	15943 (100%)	16024

Table 179: Contingency table between readmission 60d and Óbito intraoperatório 6

readmission_60d	Óbito intraoperatório 6		Total
	0	NA	
0	72 (89%)	15046 (94%)	15118
1	9 (11%)	897 (6%)	906
Total	81 (100%)	15943 (100%)	16024

Table 180: Contingency table between readmission 60d and Tipo de Reoperação 7

readmission_60d	Tipo de Reoperação 7				Total
	1	2	3	NA	
0	10 (100%)	16 (89%)	2 (50%)	15090 (94%)	15118
1	0 (0%)	2 (11%)	2 (50%)	902 (6%)	906
Total	10 (100%)	18 (100%)	4 (100%)	15992 (100%)	16024

Table 181: Contingency table between readmission 60d and Tipo de Dispositivo ao final do procedimento 7

readmission_60d	Tipo de Dispositivo ao final do procedimento 7					Total
	1	2	3	4	NA	
0	12 (92%)	11 (85%)	1 (100%)	3 (75%)	15091 (94%)	15118
1	1 (8%)	2 (15%)	0 (0%)	1 (25%)	902 (6%)	906
Total	13 (100%)	13 (100%)	1 (100%)	4 (100%)	15993 (100%)	16024

Table 182: Contingency table between readmission 60d and Óbito intraoperatório 7

readmission_60d	Óbito intraoperatório 7		Total
	0	NA	
0	28 (88%)	15090 (94%)	15118
1	4 (12%)	902 (6%)	906
Total	32 (100%)	15992 (100%)	16024

Table 183: Contingency table between readmission 60d and Tipo de Reoperação 8

readmission_60d	Tipo de Reoperação 8			Total
	1	2	NA	
0	3 (100%)	9 (100%)	15106 (94%)	15118
1	0 (0%)	0 (0%)	906 (6%)	906
Total	3 (100%)	9 (100%)	16012 (100%)	16024

Table 184: Contingency table between readmission 60d and Tipo de Dispositivo ao final do procedimento 8

readmission_60d	Tipo de Dispositivo ao final do procedimento 8				Total
	1	2	4	NA	
0	7 (100%)	4 (100%)	1 (100%)	15106 (94%)	15118
1	0 (0%)	0 (0%)	0 (0%)	906 (6%)	906
Total	7 (100%)	4 (100%)	1 (100%)	16012 (100%)	16024

Table 185: Contingency table between readmission 60d and Óbito intraoperatório 8

readmission_60d	Óbito intraoperatório 8		Total
	0	NA	
0	12 (100%)	15106 (94%)	15118
1	0 (0%)	906 (6%)	906
Total	12 (100%)	16012 (100%)	16024

Table 186: Contingency table between readmission 60d and Tipo de Reoperação 9

readmission_60d	Tipo de Reoperação 9		Total
	2	NA	
0	5 (100%)	15113 (94%)	15118
1	0 (0%)	906 (6%)	906
Total	5 (100%)	16019 (100%)	16024

Table 187: Contingency table between readmission 60d and Tipo de Dispositivo ao final do procedimento 9

readmission_60d	Tipo de Dispositivo ao final do procedimento 9			Total
	1	2	NA	
0	3 (100%)	2 (100%)	15113 (94%)	15118
1	0 (0%)	0 (0%)	906 (6%)	906
Total	3 (100%)	2 (100%)	16019 (100%)	16024



Table 188: Contingency table between readmission 60d and Óbito intraoperatório 9

readmission_60d	Óbito intraoperatório 9		Total
	0	NA	
0	5 (100%)	15113 (94%)	15118
1	0 (0%)	906 (6%)	906
Total	5 (100%)	16019 (100%)	16024

Table 189: Contingency table between readmission 60d and Tipo de Reoperação 10

readmission_60d	Tipo de Reoperação 10		Total
	2	NA	
0	1 (100%)	15117 (94%)	15118
1	0 (0%)	906 (6%)	906
Total	1 (100%)	16023 (100%)	16024

Table 190: Contingency table between readmission 60d and Tipo de Dispositivo ao final do procedimento 10

readmission_60d	Tipo de Dispositivo ao final do procedimento 10		Total
	2	NA	
0	1 (100%)	15117 (94%)	15118
1	0 (0%)	906 (6%)	906
Total	1 (100%)	16023 (100%)	16024

Table 191: Contingency table between readmission 60d and Óbito intraoperatório 10

readmission_60d	Óbito intraoperatório 10		Total
	0	NA	
0	1 (100%)	15117 (94%)	15118
1	0 (0%)	906 (6%)	906
Total	1 (100%)	16023 (100%)	16024

Table 192: Contingency table between readmission 60d and Mudança do tipo de DCEI: entre o Procedimento 1 e Procedimento 2

readmission_60d	Mudança do tipo de DCEI: entre o Procedimento 1 e Procedimento 2			Total
	0	1	NA	
0	4248 (92%)	263 (94%)	10607 (95%)	15118
1	346 (8%)	17 (6%)	543 (5%)	906
Total	4594 (100%)	280 (100%)	11150 (100%)	16024

Table 193: Contingency table between readmission 60d and Mudança do tipo de DCEI: entre o Procedimento 2 e Procedimento 3

readmission_60d	Mudança do tipo de DCEI: entre o Procedimento 2 e Procedimento 3			Total
	0	1	NA	
0	1248 (90%)	81 (86%)	13789 (95%)	15118
1	137 (10%)	13 (14%)	756 (5%)	906
Total	1385 (100%)	94 (100%)	14545 (100%)	16024

Table 194: Contingency table between readmission 60d and Mudança do tipo de DCEI: entre o Procedimento 3 e Procedimento 4

readmission_60d	Mudança do tipo de DCEI: entre o Procedimento 3 e Procedimento 4			Total
	0	1	NA	
0	400 (88%)	23 (82%)	14695 (95%)	15118
1	57 (12%)	5 (18%)	844 (5%)	906
Total	457 (100%)	28 (100%)	15539 (100%)	16024

Table 195: Contingency table between readmission 60d and Mudança do tipo de DCEI: entre o Procedimento 4 e Procedimento 5

readmission_60d	Mudança do tipo de DCEI: entre o Procedimento 4 e Procedimento 5			Total
	0	1	NA	
0	163 (90%)	9 (100%)	14946 (94%)	15118
1	19 (10%)	0 (0%)	887 (6%)	906
Total	182 (100%)	9 (100%)	15833 (100%)	16024

Table 196: Contingency table between readmission 60d and Mudança do tipo de DCEI: entre o Procedimento 5 e Procedimento 6

readmission_60d	Mudança do tipo de DCEI: entre o Procedimento 5 e Procedimento 6			Total
	0	1	NA	
0	65 (88%)	7 (100%)	15046 (94%)	15118
1	9 (12%)	0 (0%)	897 (6%)	906
Total	74 (100%)	7 (100%)	15943 (100%)	16024

Table 197: Contingency table between readmission 60d and Mudança do tipo de DCEI: entre o Procedimento 6 e Procedimento 7

readmission_60d	Mudança do tipo de DCEI: entre o Procedimento 6 e Procedimento 7			Total
	0	1	NA	
0	25 (89%)	2 (67%)	15091 (94%)	15118
1	3 (11%)	1 (33%)	902 (6%)	906
Total	28 (100%)	3 (100%)	15993 (100%)	16024

Table 198: Contingency table between readmission 60d and Mudança do tipo de DCEI: entre o Procedimento 7 e Procedimento 8

readmission_60d	Mudança do tipo de DCEI: entre o Procedimento 7 e Procedimento 8			Total
	0	1	NA	
0	11 (100%)	1 (100%)	15106 (94%)	15118
1	0 (0%)	0 (0%)	906 (6%)	906
Total	11 (100%)	1 (100%)	16012 (100%)	16024

Table 199: Contingency table between readmission 60d and Mudança do tipo de DCEI: entre o Procedimento 8 e Procedimento 9

readmission_60d	Mudança do tipo de DCEI: entre o Procedimento 8 e Procedimento 9			Total
	0		NA	
0	5 (100%)		15113 (94%)	15118
1	0 (0%)		906 (6%)	906
Total	5 (100%)		16019 (100%)	16024

Table 200: Contingency table between readmission 60d and Mudança do tipo de DCEI: entre o Procedimento 9 e Procedimento 10

readmission_60d	Mudança do tipo de DCEI: entre o Procedimento 9 e Procedimento 10			Total
	0		NA	
0	1 (100%)		15117 (94%)	15118
1	0 (0%)		906 (6%)	906
Total	1 (100%)		16023 (100%)	16024

Table 201: Contingency table between readmission 60d and Diálise durante os episódios de hospitalização

readmission_60d	Diálise durante os episódios de hospitalização			Total
	0	1		
0	15066 (94%)	52 (85%)		15118
1	897 (6%)	9 (15%)		906
Total	15963 (100%)	61 (100%)		16024

Table 202: Contingency table between readmission 60d and UTI durante os episódios de hospitalização

readmission_60d	UTI durante os episódios de hospitalização			Total
	0	1		
0	12046 (95%)	3072 (90%)		15118
1	574 (5%)	332 (10%)		906
Total	12620 (100%)	3404 (100%)		16024

Table 203: Contingency table between readmission 60d and Admissão em até 180 dias antes da T0

readmission_60d	Admissão em até 180 dias antes da T0		Total
	0	1	
0	14140 (95%)	978 (88%)	15118
1	769 (5%)	137 (12%)	906
Total	14909 (100%)	1115 (100%)	16024

Table 204: Contingency table between readmission 60d and Readmissões pós-T0 com diálise

readmission_60d	Readmissões pós-T0 com diálise				Total
	0	1	2	3	
0	15098 (94%)	18 (95%)	2 (100%)	0 (0%)	15118
1	904 (6%)	1 (5%)	0 (0%)	1 (100%)	906
Total	16002 (100%)	19 (100%)	2 (100%)	1 (100%)	16024

Table 205: Contingency table between readmission 60d and Desfecho principal da admissão T0

readmission_60d	Desfecho principal da admissão T0		Total
	0	1	
0	14860 (94%)	258 (100%)	15118
1	906 (6%)	0 (0%)	906
Total	15766 (100%)	258 (100%)	16024

Table 206: Contingency table between readmission 60d and Readmissão cirúrgica em até 30 dias

readmission_60d	Readmissão cirúrgica em até 30 dias		Total
	0	1	
0	15118 (95%)	0 (0%)	15118
1	769 (5%)	137 (100%)	906
Total	15887 (100%)	137 (100%)	16024

Table 207: Contingency table between readmission 60d and Readmissão cirúrgica entre 31 a 60 dias

readmission_60d	Readmissão cirúrgica entre 31 a 60 dias		Total
	0	1	
0	15118 (95%)	0 (0%)	15118
1	813 (5%)	93 (100%)	906
Total	15931 (100%)	93 (100%)	16024

Table 208: Contingency table between readmission 60d and Readmissão cirúrgica entre 61 a 180 dias

readmission_60d	Readmissão cirúrgica entre 61 a 180 dias		Total
	0	1	
0	14985 (94%)	133 (89%)	15118
1	890 (6%)	16 (11%)	906
Total	15875 (100%)	149 (100%)	16024

Table 209: Contingency table between readmission 60d and Readmissão cirúrgica em até 1 ano

readmission_60d	Readmissão cirúrgica em até 1 ano		Total
	0	1	
0	15003 (94%)	115 (87%)	15118
1	889 (6%)	17 (13%)	906
Total	15892 (100%)	132 (100%)	16024

Table 210: Contingency table between readmission 60d and Desfecho final do estudo

readmission_60d	Desfecho final do estudo			Total
	1	2	3	
0	2491 (89%)	7404 (96%)	5223 (95%)	15118
1	307 (11%)	325 (4%)	274 (5%)	906
Total	2798 (100%)	7729 (100%)	5497 (100%)	16024

Table 211: Contingency table between readmission 60d and Ventilação mecânica / IOT

readmission_60d	Ventilação mecânica / IOT		Total
	1	NA	
0	2732 (92%)	12386 (95%)	15118
1	252 (8%)	654 (5%)	906
Total	2984 (100%)	13040 (100%)	16024