Tables - readmission_30d

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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_30d	Mean	Min	Median	Max	Standard Deviation	N	Missing
0	65.654	0.0	69.0	110.6	17.714	15163	0
1	64.516	0.2	68.5	97.5	19.190	603	0

Table 2: Número de comorbidades

readmission_30d	Mean	Min	Median	Max	Standard Deviation	N	Missing
0	1.240	0	1	8	1.345	15163	0
1	1.534	0	1	7	1.490	603	0

Table 3: Ano do procedimento 1

readmission_30d	Mean	Min	Median	Max	Standard Deviation	N	Missing
0	2010.596	1999	2010	2021	5.803	15163	0
1	2010.413	1999	2010	2021	5.355	603	0

Table 4: Idade no Procedimento 1

readmission_30d	Mean	Min	Median	Max	Standard Deviation	N	Missing
0	65.654	0.0	69.0	110.6	17.714	15163	0
1	64.516	0.2	68.5	97.5	19.190	603	0

Table 5: Ano do procedimento 2

readmission_30d	Mean	Min	Median	Max	Standard Deviation	N	Missing
0	2013.192	1999	2013	2022	4.612	15163	10538
1	2011.038	1999	2011	2022	5.524	603	367

Table 6: Idade no Procedimento 2

readmission_30d	Mean	Min	Median	Max	Standard Deviation	N	Missing
0	65.248	0.0	69.2	108.7	19.255	15163	10537
1	62.943	0.7	67.0	97.1	19.303	603	367

Table 7: Ano do procedimento 3

readmission_30d	Mean	Min	Median	Max	Standard Deviation	N	Missing
0	2014.492	1999	2015	2022	4.639	15163	13790
1	2012.067	2003	2012	2021	5.968	603	499

Table 8: Idade no Procedimento 3

readmission_30d	Mean	Min	Median	Max	Standard Deviation	N	Missing
0	62.038	0.4	66.0	101.1	20.814	15163	13790
1	61.563	0.8	65.7	97.6	19.940	603	499

Table 9: Ano do procedimento 4

readmission_30d	Mean	Min	Median	Max	Standard Deviation	N	Missing
0	2014.595	2002	2015	2022	4.709	15163	14721
1	2013.070	2003	2014	2022	5.582	603	560

Table 10: Idade no Procedimento 4

readmission_30d	Mean	Min	Median	Max	Standard Deviation	N	Missing
0	59.305	1.9	63.7	97.7	22.145	15163	14721
1	62.919	5.6	65.4	96.9	19.394	603	560

Table 11: Ano do procedimento 5

readmission_30d	Mean	Min	Median	Max	Standard Deviation	N	Missing
0	2014.464	2004	2014	2022	4.067	15163	14984
1	2011.077	2003	2012	2020	4.734	603	590

Table 12: Idade no Procedimento 5

readmission_30d	Mean	Min	Median	Max	Standard Deviation	N	Missing
0	57.425	3.2	62.0	99.7	22.205	15163	14984
1	63.631	27.7	70.9	83.5	19.373	603	590

Table 13: Ano do procedimento 6

readmission_30d	Mean	Min	Median	Max	Standard Deviation	N	Missing
0	2014.921	2004	2015	2021	4.378	15163	15087
1	2011.800	2003	2013	2020	6.535	603	598

Table 14: Idade no Procedimento 6

readmission_30d	Mean	Min	Median	Max	Standard Deviation	N	Missing
0	54.991	6.6	58.55	101.6	22.210	15163	15087
1	69.160	27.7	78.60	84.2	23.351	603	598

Table 15: Ano do procedimento 7

readmission_30d	Mean	Min	Median	Max	Standard Deviation	N	Missing
0	2015.677	2007	2017	2022	4.354	15163	15132
1	2015.000	2015	2015	2015	NA	603	602

Table 16: Idade no Procedimento 7

readmission_30d	Mean	Min	Median	Max	Standard Deviation	N	Missing
0	50.342	8.8	55.4	81.8	20.577	15163	15132
1	78.800	78.8	78.8	78.8	NA	603	602

Table 17: Ano do procedimento 8

readmission_30d	Mean	Min	Median	Max	Standard Deviation	N	Missing
0	2014.917	2008	2015.5	2020	3.942	15163	15151
1	NaN	NA	NA	NA	NA	603	603

Table 18: Idade no Procedimento 8

readmission_30d	Mean	Min	Median	Max	Standard Deviation	N	Missing
0	52.283	14.3	52.9	81.8	23.027	15163	15151
1	NaN	NA	NA	NA	NA	603	603

Table 19: Ano do procedimento 9

readmission_30d	Mean	Min	Median	Max	Standard Deviation	N	Missing
0	2014.8	2009	2016	2022	5.07	15163	15158
1	NaN	NA	NA	NA	NA	603	603

Table 20: Idade no Procedimento 9

readmission_30d	Mean	Min	Median	Max	Standard Deviation	N	Missing
0	39.86	15	36.6	82.2	26.06	15163	15158
1	NaN	NA	NA	NA	NA	603	603

Table 21: Ano do procedimento 10

readmission_30d	Mean	Min	Median	Max	Standard Deviation	N	Missing
0	2019	2019	2019	2019	NA	15163	15162
1	NaN	NA	NA	NA	NA	603	603

Table 22: Idade no Procedimento 10

readmission_30d	Mean	Min	Median	Max	Standard Deviation	N	Missing
0	39.7	39.7	39.7	39.7	NA	15163	15162
1	NaN	NA	NA	NA	NA	603	603

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

readmission_30d	Mean	Min	Median	Max	Standard Deviation	N	Missing
0	75.947	0	85.4	197.1	38.508	15163	10537
1	21.626	0	1.1	145.3	36.627	603	367

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

readmission_30d	Mean	Min	Median	Max	Standard Deviation	N	Missing
0	57.068	0.0	62.10	170.5	39.232	15163	13790
1	37.139	0.1	9.95	132.5	41.822	603	499

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

readmission_30d	Mean	Min	Median	Max	Standard Deviation	N	Missing
0	38.761	0.0	29.6	142.7	39.288	15163	14722
1	48.253	0.1	41.2	137.4	44.503	603	560

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

readmission_30d	Mean	Min	Median	Max	Standard Deviation	N	Missing
0	32.293	0.0	7.2	130.7	37.697	15163	14984
1	33.515	0.4	4.9	144.3	49.236	603	590

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

readmission_30d	Mean	Min	Median	Max	Standard Deviation	N	Missing
0	28.316	0.0	6.0	110.3	34.962	15163	15087
1	18.320	0.1	0.2	82.4	36.012	603	598

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

readmission_30d	Mean	Min	Median	Max	Standard Deviation	N	Missing
0	32.5	0.0	4.0	142.3	42.944	15163	15132
1	0.2	0.2	0.2	0.2	NA	603	602

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

readmission_30d	Mean	Min	Median	Max	Standard Deviation	N	Missing
0	19.983	0.2	2.6	80.9	28.743	15163	15151
1	NaN	NA	NA	NA	NA	603	603

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

readmission_30d	Mean	Min	Median	Max	Standard Deviation	N	Missing
0	21.72	4.8	8.7	63.2	24.892	15163	15158
1	NaN	NA	NA	NA	NA	603	603

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

readmission_30d	Mean	Min	Median	Max	Standard Deviation	N	Missing
0	36.8	36.8	36.8	36.8	NA	15163	15162
1	NaN	NA	NA	NA	NA	603	603

Table 32: Número de Mudanças do tipo de DCEI

readmission_30d	Mean	Min	Median	Max	Standard Deviation	N	Missing
0	0.087	0	0	3	0.296	15163	10539
1	0.085	0	0	2	0.295	603	368

Table 33: Número de atendimentos

readmission_30d	Mean	Min	Median	Max	Standard Deviation	N	Missing
0	2.294	1	2	51	2.118	15163	0
1	4.561	2	3	24	3.371	603	0

Table 34: Número da Admissão T0 (admissão índice)

readmission_30d	Mean	Min	Median	Max	Standard Deviation	N	Missing
0	1.410	1	1	32	1.052	15163	0
1	2.061	1	1	17	2.168	603	0

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

readmission_30d	Mean	Min	Median	Max	Standard Deviation	N	Missing
0	0.800	0	0	50	1.617	15163	0
1	2.466	0	2	22	2.439	603	0

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

readmission_30d	Mean	Min	Median	Max	Standard Deviation	N	Missing
0	0.519	0	0	38	1.183	15163	0
1	1.096	0	0	16	2.172	603	0

Table 37: Ano da admissão T0

readmission_30d	Mean	Min	Median	Max	Standard Deviation	N	Missing
0	2010.590	1999	2010	2021	5.804	15163	18
1	2010.381	1999	2010	2021	5.355	603	2

Table 38: UTI durante a admissão T0

readmission_30d	Mean	Min	Median	Max	Standard Deviation	N	Missing
0	1.527	0	0	191.95	6.346	15163	0
1	4.537	0	0	144.91	12.715	603	0

Table 39: Diálise durante a admissão T0

readmission_30d	Mean	Min	Median	Max	Standard Deviation	N	Missing
0	0.011	0	0	28	0.423	15163	0
1	0.020	0	0	5	0.257	603	0

Table 40: Readmissão em até 30 dias

readmission_30d	Mean	Min	Median	Max	Standard Deviation	N	Missing
0	0	0	0	0	0	15163	0
1	1	1	1	1	0	603	0

Table 41: Readmissão entre 31 a 60 dias

readmission_30d	Mean	Min	Median	Max	Standard Deviation	N	Missing
0	0.02	0	0	1	0.14	15163	0
1	1.00	1	1	1	0.00	603	0

Table 42: Readmissão entre 61 a 180 dias

readmission_30d	Mean	Min	Median	Max	Standard Deviation	N	Missing
0	0.058	0	0	1	0.235	15163	0
1	1.000	1	1	1	0.000	603	0

Table 43: Readmissão em até 1 ano

readmission_30d	Mean	Min	Median	Max	Standard Deviation	N	Missing
0	0.093	0	0	1	0.29	15163	0
1	1.000	1	1	1	0.00	603	0

Table 44: Tempo de seguimento total (anos)

readmission_30d	Mean	Min	Median	Max	Standard Deviation	N	Missing
0	5.944	0	4.5	22.6	5.248	15163	0
1	4.249	0	2.6	22.0	4.755	603	0

Table 45: Óbito intraoperatório

readmission_30d	Mean	Min	Median	Max	Standard Deviation	N	Missing
0	0	0	0	1	0.016	15163	0
1	0	0	0	0	0.000	603	0

Table 46: Óbito hospitalar (intraoperatório ou admissao T0)

readmission_30d	Mean	Min	Median	Max	Standard Deviation	N	Missing
0	0	0	0	1	0.016	15163	0
1	0	0	0	0	0.000	603	0

Table 47: Óbito durante algum episódio de readmissão hospitalar

readmission_30d	Mean	Min	Median	Max	Standard Deviation	N	Missing
0	0.074	0	0	1	0.261	15163	0
1	0.307	0	0	1	0.462	603	0

Table 48: Óbito em até 30 dias após a alta T0

readmission_30d	Mean	Min	Median	Max	Standard Deviation	N	Missing
0	0.002	0	0	1	0.044	15163	0
1	0.070	0	0	1	0.255	603	0

Table 49: Óbito em até 180 dias após a alta T0

readmission_30d	Mean	Min	Median	Max	Standard Deviation	N	Missing
0	0.014	0	0	1	0.119	15163	0
1	0.186	0	0	1	0.389	603	0

Table 50: Óbito em até 1 ano após a alta T0

readmission_30d	Mean	Min	Median	Max	Standard Deviation	N	Missing
0	0.025	0	0	1	0.158	15163	0
1	0.217	0	0	1	0.413	603	0

Table 51: Óbito em até 2 anos após a alta T0

readmission_30d	Mean	Min	Median	Max	Standard Deviation	N	Missing
0	0.040	0	0	1	0.196	15163	0
1	0.249	0	0	1	0.433	603	0

Table 52: Óbito em até 3 anos após a alta T0

readmission_30d	Mean	Min	Median	Max	Standard Deviation	N	Missing
0	0.050	0	0	1	0.217	15163	0
1	0.264	0	0	1	0.441	603	0

Table 53: Óbito (status final)

readmission_30d	Mean	Min	Median	Max	Standard Deviation	N	Missing
0	0.153	0	0	1	0.360	15163	0
1	0.357	0	0	1	0.479	603	0

Table 54: Tempo de sobrevida (anos)

readmission_30d	Mean	Min	Median	Max	Standard Deviation	N	Missing
0	4.388	0	3.1	20.1	4.151	15163	13597
1	1.691	0	0.3	17.3	2.703	603	404

Table 55: Diárias no serviço de Emergência na admissão T0

readmission_30d	Mean	Min	Median	Max	Standard Deviation	N	Missing
0	0.304	0	0	27	1.307	15163	5718
1	0.599	0	0	28	2.178	603	211

Table 56: Anticoagulantes orais

readmission_30d	Mean	Min	Median	Max	Standard Deviation	N	Missing
0	0.280	0	0	98	2.408	15163	3372
1	0.722	0	0	32	2.936	603	111

Table 57: Antiarritmicos

readmission_30d	Mean	Min	Median	Max	Standard Deviation	N	Missing
0	3.395	0	0	445	16.390	15163	3372
1	11.384	0	0	844	47.199	603	111

Table 58: Antihipertensivo

readmission_30d	Mean	Min	Median	Max	Standard Deviation	N	Missing
0	0.439	0	0	349	5.139	15163	3372
1	1.154	0	0	160	9.116	603	111

Table 59: Betabloqueador

readmission_30d	Mean	Min	Median	Max	Standard Deviation	N	Missing
0	1.046	0	0	388	7.957	15163	3372
1	2.115	0	0	182	10.436	603	111

Table 60: IECA/BRA

readmission_30d	Mean	Min	Median	Max	Standard Deviation	N	Missing
0	8.699	0	2	530	20.318	15163	3372
1	13.263	0	3	208	26.893	603	111

Table 61: DVA

readmission_30d	Mean	Min	Median	Max	Standard Deviation	N	Missing
0	4.611	0	0	1044	27.006	15163	3372
1	15.652	0	0	606	58.898	603	111

Table 62: Digoxina

readmission_30d	Mean	Min	Median	Max	Standard Deviation	N	Missing
0	0.225	0	0	50	1.601	15163	3372
1	0.436	0	0	28	2.341	603	111

Table 63: Estatinas

readmission_30d	Mean	Min	Median	Max	Standard Deviation	N	Missing
0	4.959	0	0	421	15.987	15163	3372
1	9.118	0	0	413	26.459	603	111

Table 64: Diuretico

readmission_30d	Mean	Min	Median	Max	Standard Deviation	N	Missing
0	7.669	0	0.00	1290	39.412	15163	3372
1	27.825	0	1.25	1208	112.568	603	111

Table 65: Vasodilator

readmission_30d	Mean	Min	Median	Max	Standard Deviation	N	Missing
0	8.248	0	0	2408	46.942	15163	3372
1	26.658	0	0	1278	96.981	603	111

Table 66: Insuficiência cardíaca (ivabradina, levosimedan, milrinona, nesiritida, carvedilol)

readmission_30d	Mean	Min	Median	Max	Standard Deviation	N	Missing
0	4.313	0	0	453.0	16.075	15163	3372
1	8.206	0	0	282.5	24.197	603	111

Table 67: Antagonista da Aldosterona (espironolactona)

readmission_30d	Mean	Min	Median	Max	Standard Deviation	N	Missing
0	1.919	0	0	204	7.365	15163	3372
1	4.871	0	0	118	13.962	603	111

Table 68: Bloqueador do canal de calcio

readmission_30d	Mean	Min	Median	Max	Standard Deviation	N	Missing
0	0.514	0	0	509	8.919	15163	3372
1	3.063	0	0	230	19.646	603	111

Table 69: Trombolitico

readmission_30d	Mean	Min	Median	Max	Standard Deviation	N	Missing
0	0.001	0	0	3	0.04	15163	3372
1	0.000	0	0	0	0.00	603	111

Table 70: Antiplaquetario VO

readmission_30d	Mean	Min	Median	Max	Standard Deviation	N	Missing
0	0	0	0	0	0	15163	3372
1	0	0	0	0	0	603	111

Table 71: Antiplaquetario EV

readmission_30d	Mean	Min	Median	Max	Standard Deviation	N	Missing
0	0.010	0	0	8	0.172	15163	3372
1	0.022	0	0	3	0.215	603	111

Table 72: Insulina

readmission_30d	Mean	Min	Median	Max	Standard Deviation	N	Missing
0	0.093	0	0	16	0.470	15163	3372
1	0.134	0	0	5	0.484	603	111

Table 73: Hipoglicemiante

readmission_30d	Mean	Min	Median	Max	Standard Deviation	N	Missing
0	0.354	0	0	90	2.761	15163	3372
1	0.486	0	0	80	4.357	603	111

Table 74: Hormonio tireoidiano

readmission_30d	Mean	Min	Median	Max	Standard Deviation	N	Missing
0	0	0	0	0	0	15163	3372
1	0	0	0	0	0	603	111

Table 75: Broncodiltador

readmission_30d	Mean	Min	Median	Max	Standard Deviation	N	Missing
0	0	0	0	0	0	15163	3372
1	0	0	0	0	0	603	111

Table 76: Anticonvulsivante

readmission_30d	Mean	Min	Median	Max	Standard Deviation	N	Missing
0	0.736	0	0	334	8.852	15163	3372
1	4.322	0	0	390	30.294	603	111

Table 77: Psicofármacos (Ansiolítico/ antidepressivo/ antipsicótico)

readmission_30d	Mean	Min	Median	Max	Standard Deviation	N	Missing
0	3.433	0	0	387	11.435	15163	3372
1	9.549	0	1	251	26.205	603	111

Table 78: Antibióticos

readmission_30d	Mean	Min	Median	Max	Standard Deviation	N	Missing
0	12.903	0	4	1812	59.184	15163	3372
1	24.614	0	4	751	65.825	603	111

Table 79: Antifúngicos

readmission_30d	Mean	Min	Median	Max	Standard Deviation	N	Missing
0	0.246	0	0	122	2.954	15163	3372
1	1.076	0	0	99	7.140	603	111

Table 80: Antiviral

readmission_30d	Mean	Min	Median	Max	Standard Deviation	N	Missing
0	0.091	0	0	131	2.372	15163	3372
1	0.404	0	0	72	4.444	603	111

Table 81: Antiretroviral

readmission_30d	Mean	Min	Median	Max	Standard Deviation	N	Missing
0	0.009	0	0	32	0.455	15163	3372
1	0.008	0	0	4	0.180	603	111

Table 82: Quantidade de classes medicamentosas utilizadas

readmission_30d	Mean	Min	Median	Max	Standard Deviation	N	Missing
0	4.684	1	4	17	2.510	15163	4776
1	6.238	1	6	15	2.869	603	179

Table 83: Ventilação não invasiva

readmission_30d	Mean	Min	Median	Max	Standard Deviation	N	Missing
0	0.02	0	0	42	0.637	15163	2652
1	0.00	0	0	0	0.000	603	82

Table 84: Instalação de CEC

readmission_30d	Mean	Min	Median	Max	Standard Deviation	N	Missing
0	0.011	0	0	2	0.107	15163	2652
1	0.025	0	0	1	0.156	603	82

Table 85: Cirurgia Cardiovascular

readmission_30d	Mean	Min	Median	Max	Standard Deviation	N	Missing
0	0.055	0	0	9	0.371	15163	2652
1	0.069	0	0	5	0.437	603	82

Table 86: Transplante cardíaco

readmission_30d	Mean	Min	Median	Max	Standard Deviation	N	Missing
0	0.001	0	0	1	0.037	15163	2652
1	0.008	0	0	1	0.087	603	82

Table 87: Cirurgia Toracica

readmission_30d	Mean	Min	Median	Max	Standard Deviation	N	Missing
0	0.003	0	0	4	0.066	15163	2652
1	0.006	0	0	2	0.098	603	82

Table 88: Outros procedimentos cirúrgicos (cir geral, gastrocir, plástica, uro, vascular)

readmission_30d	Mean	Min	Median	Max	Standard Deviation	N	Missing
0	0.103	0	0	11	0.518	15163	2652
1	0.190	0	0	6	0.718	603	82

Table 89: Traqueostomia

readmission_30d	Mean	Min	Median	Max	Standard Deviation	N	Missing
0	0.001	0	0	5	0.056	15163	2652
1	0.002	0	0	1	0.044	603	82

Table 90: Intervenção coronária percutânea

readmission_30d	Mean	Min	Median	Max	Standard Deviation	N	Missing
0	0.010	0	0	3	0.119	15163	2652
1	0.033	0	0	4	0.286	603	82

Table 91: Intervenção cardiovascular em laboratório de hemodinâmica (alcoolização septal, valvoplastia percutânea, stent em vasos pulmonares)

readmission_30d	Mean	Min	Median	Max	Standard Deviation	N	Missing
0	0.007	0	0	3	0.116	15163	2652
1	0.012	0	0	2	0.123	603	82

Table 92: Stent

readmission_30d	Mean	Min	Median	Max	Standard Deviation	N	Missing
0	0	0	0	0	0	15163	2652
1	0	0	0	0	0	603	82

Table 93: Angioplastia

readmission_30d	Mean	Min	Median	Max	Standard Deviation	N	Missing
0	0.001	0	0	2	0.038	15163	2652
1	0.004	0	0	1	0.062	603	82

Table 94: Cateterismo

readmission_30d	Mean	Min	Median	Max	Standard Deviation	N	Missing
0	0.118	0	0	7	0.396	15163	2652
1	0.223	0	0	3	0.541	603	82

Table 95: Eletrofisiologia

readmission_30d	Mean	Min	Median	Max	Standard Deviation	N	Missing
0	0.079	0	0	11	0.469	15163	2652
1	0.138	0	0	6	0.601	603	82

Table 96: Suporte cardiocirculatório (ECMO, BIA, Bio-PUMP)

readmission_30d	Mean	Min	Median	Max	Standard Deviation	N	Missing
0	0.067	0	0	535	5.037	15163	2652
1	1.038	0	0	177	11.853	603	82

Table 97: Cateter venoso central

readmission_30d	Mean	Min	Median	Max	Standard Deviation	N	Missing
0	0.026	0	0	4	0.194	15163	2652
1	0.077	0	0	4	0.353	603	82

Table 98: Drenagem de tórax (instalação /troca) e punção pericárdica ou pleural

readmission_30d	Mean	Min	Median	Max	Standard Deviation	N	Missing
0	0.006	0	0	6	0.108	15163	2652
1	0.002	0	0	1	0.044	603	82

Table 99: Quantidade de procedimentos invasivos

readmission_30d	Mean	Min	Median	Max	Standard Deviation	N	Missing
0	0.490	0	0	554	5.392	15163	2652
1	1.825	0	0	197	12.779	603	82

Table 100: Cardioversão/ Desfibrilação (sessão)

readmission_30d	Mean	Min	Median	Max	Standard Deviation	N	Missing
0	0.006	0	0	5	0.117	15163	3448
1	0.016	0	0	3	0.192	603	118

Table 101: Transfusão de hemoderivados

readmission_30d	Mean	Min	Median	Max	Standard Deviation	N	Missing
0	0.028	0	0	34	0.516	15163	2652
1	0.079	0	0	13	0.774	603	82

Table 102: Interconsulta médica (Especialidades cirúrgicas, infecto, uro, nefro, psiquiatra, dermato, alergista, oncologista, geriatra, etc)

readmission_30d	Mean	Min	Median	Max	Standard Deviation	N	Missing
0	0.336	0	0	199	2.674	15163	2652
1	0.702	0	0	67	4.654	603	82

Table 103: Equipe Multiprofissional (enf, fono, fisio, nutri, serviço social, psicologia)

readmission_30d	Mean	Min	Median	Max	Standard Deviation	N	Missing
0	2.827	0	0	365	12.317	15163	2652
1	7.052	0	1	258	22.786	603	82

Table 104: ECG

readmission_30d	Mean	Min	Median	Max	Standard Deviation	N	Missing
0	3.778	0	2	140	5.567	15163	2652
1	6.645	0	4	64	8.936	603	82

Table 105: Holter

readmission_30d	Mean	Min	Median	Max	Standard Deviation	N	Missing
0	0.102	0	0	5	0.350	15163	2652
1	0.167	0	0	2	0.422	603	82

Table 106: Teste de esforço

readmission_30d	Mean	Min	Median	Max	Standard Deviation	N	Missing
0	0.010	0	0	3	0.106	15163	2652
1	0.017	0	0	2	0.144	603	82

Table 107: Espirometria / Ergoespirometria

readmission_30d	Mean	Min	Median	Max	Standard Deviation	N	Missing
0	0.005	0	0	2	0.070	15163	2652
1	0.004	0	0	1	0.062	603	82

Table 108: Tilt Test

readmission_30d	Mean	Min	Median	Max	Standard Deviation	N	Missing
0	0.002	0	0	2	0.050	15163	2652
1	0.006	0	0	1	0.076	603	82

Table 109: Polissonografia

readmission_30d	Mean	Min	Median	Max	Standard Deviation	N	Missing
0	0.002	0	0	2	0.045	15163	2652
1	0.000	0	0	0	0.000	603	82

Table 110: Quantidade de exames por métodos gráficos

readmission_30d	Mean	Min	Median	Max	Standard Deviation	N	Missing
0	3.899	0	2	140	5.706	15163	2652
1	6.839	0	4	66	9.095	603	82

Table 111: Exames laboratoriais (exames bioquímicos, exames hematologia/coagulação, anticorpos, dosagem sérica de fármacos)

readmission_30d	Mean	Min	Median	Max	Standard Deviation	N	Missing
0	56.07	0	9	3474	158.351	15163	2652
1	133.61	0	30	2349	291.608	603	82

Table 112: Culturas (hemocultura, cultura de secreções, urocultura e cultura de cateteres)

readmission_30d	Mean	Min	Median	Max	Standard Deviation	N	Missing
0	0.275	0	0	25	1.076	15163	2652
1	0.726	0	0	19	2.090	603	82

Table 113: Quantidade de exames de análises clínicas

readmission_30d	Mean	Min	Median	Max	Standard Deviation	N	Missing
0	56.345	0	10	3487	159.166	15163	2652
1	134.336	0	30	2368	293.367	603	82

Table 114: Citologias

readmission_30d	Mean	Min	Median	Max	Standard Deviation	N	Missing
0	0.005	0	0	5	0.089	15163	2652
1	0.027	0	0	4	0.254	603	82

Table 115: Biopsias (cardíaca, esterno, parede torácica, tumor em mediastino, pulmonar)

readmission_30d	Mean	Min	Median	Max	Standard Deviation	N	Missing
0	0.011	0	0	8	0.206	15163	2652
1	0.104	0	0	10	0.795	603	82

Table 116: Quantidade de exames histopatológicos

readmission_30d	Mean	Min	Median	Max	Standard Deviation	N	Missing
0	0.016	0	0	8	0.226	15163	2652
1	0.131	0	0	10	0.889	603	82

Table 117: Angio RM

readmission_30d	Mean	Min	Median	Max	Standard Deviation	N	Missing
0	0.004	0	0	4	0.083	15163	2652
1	0.012	0	0	2	0.123	603	82

Table 118: Angio TC

readmission_30d	Mean	Min	Median	Max	Standard Deviation	N	Missing
0	0.033	0	0	6	0.232	15163	2652
1	0.050	0	0	2	0.243	603	82

Table 119: Angiografia

readmission_30d	Mean	Min	Median	Max	Standard Deviation	N	Missing
0	0.002	0	0	3	0.051	15163	2652
1	0.004	0	0	1	0.062	603	82

Table 120: Aortografia

readmission_30d	Mean	Min	Median	Max	Standard Deviation	N	Missing
0	0.002	0	0	2	0.051	15163	2652
1	0.002	0	0	1	0.044	603	82

Table 121: Arteriografia

readmission_30d	Mean	Min	Median	Max	Standard Deviation	N	Missing
0	0.000	0	0	1	0.022	15163	2652
1	0.004	0	0	2	0.088	603	82

Table 122: Cavografia

readmission_30d	Mean	Min	Median	Max	Standard Deviation	N	Missing
0	0.007	0	0	1	0.084	15163	2652
1	0.010	0	0	1	0.098	603	82

Table 123: Cintilografia

readmission_30d	Mean	Min	Median	Max	Standard Deviation	N	Missing
0	0.062	0	0	5	0.347	15163	2652
1	0.134	0	0	4	0.497	603	82

Table 124: Ecocardiograma

readmission_30d	Mean	Min	Median	Max	Standard Deviation	N	Missing
0	0.512	0	0	23	1.137	15163	2652
1	1.050	0	1	24	2.248	603	82

Table 125: Exames endoscópicos (EDA, colonoscopia, retossigmoidoscopia, broncoscopia)

readmission_30d	Mean	Min	Median	Max	Standard Deviation	N	Missing
0	0.014	0	0	6	0.163	15163	2652
1	0.044	0	0	2	0.256	603	82

Table 126: Flebografia

readmission_30d	Mean	Min	Median	Max	Standard Deviation	N	Missing
0	0.034	0	0	5	0.280	15163	2652
1	0.069	0	0	5	0.437	603	82

Table 127: PET-CT

readmission_30d	Mean	Min	Median	Max	Standard Deviation	N	Missing
0	0.005	0	0	3	0.072	15163	2652
1	0.013	0	0	2	0.131	603	82

Table 128: Ultrassom

readmission_30d	Mean	Min	Median	Max	Standard Deviation	N	Missing
0	0.160	0	0	14	0.736	15163	2652
1	0.441	0	0	12	1.387	603	82

Table 129: Tomografia

readmission_30d	Mean	Min	Median	Max	Standard Deviation	N	Missing
0	0.152	0	0	15	0.645	15163	2652
1	0.284	0	0	10	0.868	603	82

Table 130: Radiografias

readmission_30d	Mean	Min	Median	Max	Standard Deviation	N	Missing
0	2.840	0	1	192	6.733	15163	2652
1	5.835	0	2	164	12.652	603	82

Table 131: Ressonancia magnetica

readmission_30d	Mean	Min	Median	Max	Standard Deviation	N	Missing
0	0.071	0	0	6	0.305	15163	2652
1	0.132	0	0	2	0.382	603	82

Table 132: Quantidade de exames diagnóstico por imagem

readmission_30d	Mean	Min	Median	Max	Standard Deviation	N	Missing
0	3.899	0	2	232	8.453	15163	2652
1	8.084	0	3	189	15.567	603	82

Table 133: Dieta enteral (frasco)

readmission_30d	Mean	Min	Median	Max	Standard Deviation	N	Missing
0	0.035	0	0	115	1.735	15163	3450
1	0.045	0	0	20	0.910	603	118

Table 134: Dieta parenteral (frasco)

readmission_30d	Mean	Min	Median	Max	Standard Deviation	N	Missing
0	0.001	0	0	5	0.062	15163	3450
1	0.000	0	0	0	0.000	603	118

Table 135: Bomba de infusão contínua (horas)

readmission_30d	Mean	Min	Median	Max	Standard Deviation	N	Missing
0	0.904	0	0	1527	23.185	15163	3450
1	1.800	0	0	358	18.248	603	118

Table 136: Marca-passo temporário (por hora)

readmission_30d	Mean	Min	Median	Max	Standard Deviation	N	Missing
0	0.154	0	0	180	2.995	15163	3450
1	0.260	0	0	66	3.549	603	118

Table 137: Número de procedimentos na admissão T0

readmission_30d	Mean	Min	Median	Max	Standard Deviation	N	Missing
0	1.015	1	1	5	0.137	15163	0
1	1.022	1	1	3	0.176	603	0

Table 138: Número de procedimentos em até 30 dias

readmission_30d	Mean	Min	Median	Max	Standard Deviation	N	Missing
0	0.000	0	0	1	0.016	15163	0
1	0.204	0	0	3	0.450	603	0

Table 139: Número de procedimentos em até 60 dias

readmission_30d	Mean	Min	Median	Max	Standard Deviation	N	Missing
0	0.006	0	0	2	0.077	15163	0
1	0.096	0	0	3	0.347	603	0

Table 140: Número de procedimentos em até 180 dias

readmission_30d	Mean	Min	Median	Max	Standard Deviation	N	Missing
0	0.012	0	0	4	0.128	15163	0
1	0.033	0	0	2	0.197	603	0

Table 141: Número de procedimentos em até 1 ano

readmission_30d	Mean	Min	Median	Max	Standard Deviation	N	Missing
0	0.010	0	0	3	0.123	15163	0
1	0.028	0	0	2	0.175	603	0

Table 142: Quantidade de classes medicamentosas de ação cardiovascular

readmission_30d	Mean	Min	Median	Max	Standard Deviation	N	Missing
0	3.073	1	3	10	1.749	15163	6331
1	3.975	1	4	9	2.000	603	204

Table 143: Quantidade de medicamentos de ação cardiovascular

readmission_30d	Mean	Min	Median	Max	Standard Deviation	N	Missing
0	41.077	0	9.0	5140.00	123.618	15163	3372
1	114.627	0	24.5	2089.25	266.595	603	111

Table 144: Quantidade de antimicrobianos (antibióticos e antifúngicos)

readmission_30d	Mean	Min	Median	Max	Standard Deviation	N	Missing
0	13.148	0	4	1812	60.135	15163	3372
1	25.690	0	4	812	70.547	603	111

Categorical variables

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

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

```r
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)
```

```r
  }

  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)
}
```

```r
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 30d and Sexo

| | Sexo | | Total |
readmission__30d	0	1	
0	7156 (96%)	8007 (96%)	15163
1	293 (4%)	310 (4%)	603
Total	7449 (100%)	8317 (100%)	15766

Table 146: Contingency table between readmission 30d and Doença cardíaca

| | Doença cardíaca | | | | Total |
readmission__30d	0	1	2	NA	
0	8840 (97%)	1082 (95%)	3316 (96%)	1925 (96%)	15163
1	316 (3%)	61 (5%)	147 (4%)	79 (4%)	603
Total	9156 (100%)	1143 (100%)	3463 (100%)	2004 (100%)	15766

Table 147: Contingency table between readmission 30d and Classe funcional de IC (NYHA)

| | Classe funcional de IC (NYHA) | | | Total |
readmission__30d	1	2	NA	
0	5787 (97%)	1280 (95%)	8096 (96%)	15163
1	208 (3%)	66 (5%)	329 (4%)	603
Total	5995 (100%)	1346 (100%)	8425 (100%)	15766

Table 148: Contingency table between readmission 30d and Hipertensão arterial

| | Hipertensão arterial | | |
readmission__30d	0	1	Total
0	11484 (96%)	3679 (96%)	15163
1	449 (4%)	154 (4%)	603
Total	11933 (100%)	3833 (100%)	15766

Table 149: Contingency table between readmission 30d and Infarto do miocárdio prévio / Doença arterial coronariana

| | Infarto do miocárdio prévio / Doença arterial coronariana | | |
readmission__30d	0	1	Total
0	13794 (96%)	1369 (95%)	15163
1	529 (4%)	74 (5%)	603
Total	14323 (100%)	1443 (100%)	15766

Table 150: Contingency table between readmission 30d and Insuficiência cardíaca

| | Insuficiência cardíaca | | |
readmission__30d	0	1	Total
0	9813 (97%)	5350 (95%)	15163
1	312 (3%)	291 (5%)	603
Total	10125 (100%)	5641 (100%)	15766

Table 151: Contingency table between readmission 30d and Fibrilação / flutter atrial

| | Fibrilação / flutter atrial | | |
readmission__30d	0	1	Total
0	12884 (96%)	2279 (96%)	15163
1	499 (4%)	104 (4%)	603
Total	13383 (100%)	2383 (100%)	15766

Table 152: Contingency table between readmission 30d and Parada cardíaca prévia/ Taquicardia ventricular instável

| | Parada cardíaca prévia/ Taquicardia ventricular instável | | |
readmission__30d	0	1	Total
0	13353 (96%)	1810 (96%)	15163
1	520 (4%)	83 (4%)	603
Total	13873 (100%)	1893 (100%)	15766

Table 153: Contingency table between readmission 30d and Transplante cardíaco prévio

readmission_30d	Transplante cardíaco prévio		Total
	0	1	
0	15153 (96%)	10 (83%)	15163
1	601 (4%)	2 (17%)	603
Total	15754 (100%)	12 (100%)	15766

Table 154: Contingency table between readmission 30d and Valvopatias/ Prótese valvares

readmission_30d	Valvopatias/ Prótese valvares		Total
	0	1	
0	14159 (96%)	1004 (95%)	15163
1	553 (4%)	50 (5%)	603
Total	14712 (100%)	1054 (100%)	15766

Table 155: Contingency table between readmission 30d and Endocardite prévia

readmission_30d	Endocardite prévia		Total
	0	1	
0	15040 (96%)	123 (92%)	15163
1	593 (4%)	10 (8%)	603
Total	15633 (100%)	133 (100%)	15766

Table 156: Contingency table between readmission 30d and Diabetes melittus

readmission_30d	Diabetes melittus		Total
	0	1	
0	13369 (96%)	1794 (96%)	15163
1	521 (4%)	82 (4%)	603
Total	13890 (100%)	1876 (100%)	15766

Table 157: Contingency table between readmission 30d and Insuficiência renal crônica

readmission_30d	Insuficiência renal crônica		Total
	0	1	
0	14574 (96%)	589 (95%)	15163
1	572 (4%)	31 (5%)	603
Total	15146 (100%)	620 (100%)	15766

Table 158: Contingency table between readmission 30d and Hemodiálise

readmission__30d	Hemodiálise 0	1	Total
0	15147 (96%)	16 (84%)	15163
1	600 (4%)	3 (16%)	603
Total	15747 (100%)	19 (100%)	15766

Table 159: Contingency table between readmission 30d and Acidente Vascular Cerebral/ Acidente isquêmico transitório prévios

readmission__30d	Acidente Vascular Cerebral/ Acidente isquêmico transitório prévios 0	1	Total
0	14690 (96%)	473 (95%)	15163
1	577 (4%)	26 (5%)	603
Total	15267 (100%)	499 (100%)	15766

Table 160: Contingency table between readmission 30d and Doença pulmonar obstrutiva crônica

readmission__30d	Doença pulmonar obstrutiva crônica 0	1	Total
0	14958 (96%)	205 (96%)	15163
1	595 (4%)	8 (4%)	603
Total	15553 (100%)	213 (100%)	15766

Table 161: Contingency table between readmission 30d and Neoplasia em tratamento ou tratada recentemente (12 meses)

readmission__30d	Neoplasia em tratamento ou tratada recentemente (12 meses) 0	1	Total
0	15057 (96%)	106 (94%)	15163
1	596 (4%)	7 (6%)	603
Total	15653 (100%)	113 (100%)	15766

Table 162: Contingency table between readmission 30d and Tipo de Procedimento 1

readmission__30d	Tipo de Procedimento 1 1	2	Total
0	10424 (96%)	4739 (98%)	15163
1	488 (4%)	115 (2%)	603
Total	10912 (100%)	4854 (100%)	15766

Table 163: Contingency table between readmission 30d and Tipo de Reoperação 1

| readmission_30d | Tipo de Reoperação 1 | | | | Total |
	1	2	3	NA	
0	3838 (98%)	870 (96%)	31 (94%)	10424 (96%)	15163
1	74 (2%)	39 (4%)	2 (6%)	488 (4%)	603
Total	3912 (100%)	909 (100%)	33 (100%)	10912 (100%)	15766

Table 164: Contingency table between readmission 30d and Tipo de Procedimento 1 (merge: procedure type com reop type)

| readmission_30d | Tipo de Procedimento 1 (merge: procedure type com reop type) | | | | Total |
	1	2	3	4	
0	10424 (96%)	3838 (98%)	870 (96%)	31 (94%)	15163
1	488 (4%)	74 (2%)	39 (4%)	2 (6%)	603
Total	10912 (100%)	3912 (100%)	909 (100%)	33 (100%)	15766

Table 165: Contingency table between readmission 30d and Tipo de Dispositivo ao final do procedimento 1

| readmission_30d | Tipo de Dispositivo ao final do procedimento 1 | | | | Total |
	1	2	3	4	
0	11895 (97%)	1668 (94%)	1184 (94%)	416 (93%)	15163
1	400 (3%)	104 (6%)	70 (6%)	29 (7%)	603
Total	12295 (100%)	1772 (100%)	1254 (100%)	445 (100%)	15766

Table 166: Contingency table between readmission 30d and Tipo de Dispositivo ao final do procedimento 1

| readmission_30d | Tipo de Dispositivo ao final do procedimento 1 | | Total |
	1	2	
0	13563 (96%)	1600 (94%)	15163
1	504 (4%)	99 (6%)	603
Total	14067 (100%)	1699 (100%)	15766

Table 167: Contingency table between readmission 30d and Óbito intraoperatório 1

| readmission_30d | Óbito intraoperatório 1 | Total |
	0	
0	15163 (96%)	15163
1	603 (4%)	603
Total	15766 (100%)	15766

Table 168: Contingency table between readmission 30d and Tipo de Reoperação 2

readmission__30d	Tipo de Reoperação 2				Total
	1	2	3	NA	
0	3205 (98%)	1322 (90%)	91 (75%)	10545 (97%)	15163
1	54 (2%)	152 (10%)	30 (25%)	367 (3%)	603
Total	3259 (100%)	1474 (100%)	121 (100%)	10912 (100%)	15766

Table 169: Contingency table between readmission 30d and Tipo de Dispositivo ao final do procedimento 2

readmission__30d	Tipo de Dispositivo ao final do procedimento 2					Total
	1	2	3	4	NA	
0	3465 (96%)	601 (94%)	365 (94%)	189 (93%)	10543 (97%)	15163
1	158 (4%)	41 (6%)	22 (6%)	14 (7%)	368 (3%)	603
Total	3623 (100%)	642 (100%)	387 (100%)	203 (100%)	10911 (100%)	15766

Table 170: Contingency table between readmission 30d and Óbito intraoperatório 2

readmission__30d	Óbito intraoperatório 2		Total
	0	NA	
0	4625 (95%)	10538 (97%)	15163
1	236 (5%)	367 (3%)	603
Total	4861 (100%)	10905 (100%)	15766

Table 171: Contingency table between readmission 30d and Tipo de Reoperação 3

readmission__30d	Tipo de Reoperação 3				Total
	1	2	3	NA	
0	691 (96%)	524 (91%)	55 (89%)	13893 (96%)	15163
1	32 (4%)	54 (9%)	7 (11%)	510 (4%)	603
Total	723 (100%)	578 (100%)	62 (100%)	14403 (100%)	15766

Table 172: Contingency table between readmission 30d and Tipo de Dispositivo ao final do procedimento 3

readmission__30d	Tipo de Dispositivo ao final do procedimento 3					Total
	1	2	3	4	NA	
0	901 (93%)	228 (91%)	150 (94%)	93 (94%)	13791 (97%)	15163
1	65 (7%)	23 (9%)	10 (6%)	6 (6%)	499 (3%)	603
Total	966 (100%)	251 (100%)	160 (100%)	99 (100%)	14290 (100%)	15766

Table 173: Contingency table between readmission 30d and Óbito intraoperatório 3

	Óbito intraoperatório 3				Total
readmission_30d	0	1	NA		
0	1369 (93%)	4 (100%)	13790 (97%)		15163
1	104 (7%)	0 (0%)	499 (3%)		603
Total	1473 (100%)	4 (100%)	14289 (100%)		15766

Table 174: Contingency table between readmission 30d and Tipo de Reoperação 4

	Tipo de Reoperação 4				Total
readmission_30d	1	2	3	NA	
0	170 (89%)	231 (92%)	32 (97%)	14730 (96%)	15163
1	22 (11%)	20 (8%)	1 (3%)	560 (4%)	603
Total	192 (100%)	251 (100%)	33 (100%)	15290 (100%)	15766

Table 175: Contingency table between readmission 30d and Tipo de Dispositivo ao final do procedimento 4

	Tipo de Dispositivo ao final do procedimento 4					Total
readmission_30d	1	2	3	4	NA	
0	259 (90%)	102 (93%)	43 (96%)	38 (90%)	14721 (96%)	15163
1	29 (10%)	8 (7%)	2 (4%)	4 (10%)	560 (4%)	603
Total	288 (100%)	110 (100%)	45 (100%)	42 (100%)	15281 (100%)	15766

Table 176: Contingency table between readmission 30d and Óbito intraoperatório 4

	Óbito intraoperatório 4		Total
readmission_30d	0	NA	
0	442 (91%)	14721 (96%)	15163
1	43 (9%)	560 (4%)	603
Total	485 (100%)	15281 (100%)	15766

Table 177: Contingency table between readmission 30d and Tipo de Reoperação 5

	Tipo de Reoperação 5				Total
readmission_30d	1	2	3	NA	
0	66 (93%)	100 (94%)	12 (86%)	14985 (96%)	15163
1	5 (7%)	6 (6%)	2 (14%)	590 (4%)	603
Total	71 (100%)	106 (100%)	14 (100%)	15575 (100%)	15766

Table 178: Contingency table between readmission 30d and Tipo de Dispositivo ao final do procedimento 5

readmission_30d	Tipo de Dispositivo ao final do procedimento 5					Total
	1	2	3	4	NA	
0	91 (91%)	53 (95%)	21 (95%)	13 (100%)	14985 (96%)	15163
1	9 (9%)	3 (5%)	1 (5%)	0 (0%)	590 (4%)	603
Total	100 (100%)	56 (100%)	22 (100%)	13 (100%)	15575 (100%)	15766

Table 179: Contingency table between readmission 30d and Óbito intraoperatório 5

readmission_30d	Óbito intraoperatório 5		Total
	0	NA	
0	179 (93%)	14984 (96%)	15163
1	13 (7%)	590 (4%)	603
Total	192 (100%)	15574 (100%)	15766

Table 180: Contingency table between readmission 30d and Tipo de Reoperação 6

readmission_30d	Tipo de Reoperação 6				Total
	1	2	3	NA	
0	25 (96%)	42 (91%)	6 (100%)	15090 (96%)	15163
1	1 (4%)	4 (9%)	0 (0%)	598 (4%)	603
Total	26 (100%)	46 (100%)	6 (100%)	15688 (100%)	15766

Table 181: Contingency table between readmission 30d and Tipo de Dispositivo ao final do procedimento 6

readmission_30d	Tipo de Dispositivo ao final do procedimento 6					Total
	1	2	3	4	NA	
0	37 (92%)	23 (92%)	7 (100%)	9 (100%)	15087 (96%)	15163
1	3 (7%)	2 (8%)	0 (0%)	0 (0%)	598 (4%)	603
Total	40 (100%)	25 (100%)	7 (100%)	9 (100%)	15685 (100%)	15766

Table 182: Contingency table between readmission 30d and Óbito intraoperatório 6

readmission_30d	Óbito intraoperatório 6		Total
	0	NA	
0	76 (94%)	15087 (96%)	15163
1	5 (6%)	598 (4%)	603
Total	81 (100%)	15685 (100%)	15766

Table 183: Contingency table between readmission 30d and Tipo de Reoperação 7

readmission_30d	Tipo de Reoperação 7				Total
	1	2	3	NA	
0	10 (100%)	17 (94%)	4 (100%)	15132 (96%)	15163
1	0 (0%)	1 (6%)	0 (0%)	602 (4%)	603
Total	10 (100%)	18 (100%)	4 (100%)	15734 (100%)	15766

Table 184: Contingency table between readmission 30d and Tipo de Dispositivo ao final do procedimento 7

readmission_30d	Tipo de Dispositivo ao final do procedimento 7					Total
	1	2	3	4	NA	
0	12 (92%)	13 (100%)	1 (100%)	4 (100%)	15133 (96%)	15163
1	1 (8%)	0 (0%)	0 (0%)	0 (0%)	602 (4%)	603
Total	13 (100%)	13 (100%)	1 (100%)	4 (100%)	15735 (100%)	15766

Table 185: Contingency table between readmission 30d and Óbito intraoperatório 7

readmission_30d	Óbito intraoperatório 7		Total
	0	NA	
0	31 (97%)	15132 (96%)	15163
1	1 (3%)	602 (4%)	603
Total	32 (100%)	15734 (100%)	15766

Table 186: Contingency table between readmission 30d and Tipo de Reoperação 8

readmission_30d	Tipo de Reoperação 8			Total
	1	2	NA	
0	3 (100%)	9 (100%)	15151 (96%)	15163
1	0 (0%)	0 (0%)	603 (4%)	603
Total	3 (100%)	9 (100%)	15754 (100%)	15766

Table 187: Contingency table between readmission 30d and Tipo de Dispositivo ao final do procedimento 8

readmission_30d	Tipo de Dispositivo ao final do procedimento 8				Total
	1	2	4	NA	
0	7 (100%)	4 (100%)	1 (100%)	15151 (96%)	15163
1	0 (0%)	0 (0%)	0 (0%)	603 (4%)	603
Total	7 (100%)	4 (100%)	1 (100%)	15754 (100%)	15766

Table 188: Contingency table between readmission 30d and Óbito intraoperatório 8

| | Óbito intraoperatório 8 | | |
readmission_30d	0	NA	Total
0	12 (100%)	15151 (96%)	15163
1	0 (0%)	603 (4%)	603
Total	12 (100%)	15754 (100%)	15766

Table 189: Contingency table between readmission 30d and Tipo de Reoperação 9

| | Tipo de Reoperação 9 | | |
readmission_30d	2	NA	Total
0	5 (100%)	15158 (96%)	15163
1	0 (0%)	603 (4%)	603
Total	5 (100%)	15761 (100%)	15766

Table 190: Contingency table between readmission 30d and Tipo de Dispositivo ao final do procedimento 9

| | Tipo de Dispositivo ao final do procedimento 9 | | | |
readmission_30d	1	2	NA	Total
0	3 (100%)	2 (100%)	15158 (96%)	15163
1	0 (0%)	0 (0%)	603 (4%)	603
Total	3 (100%)	2 (100%)	15761 (100%)	15766

Table 191: Contingency table between readmission 30d and Óbito intraoperatório 9

| | Óbito intraoperatório 9 | | |
readmission_30d	0	NA	Total
0	5 (100%)	15158 (96%)	15163
1	0 (0%)	603 (4%)	603
Total	5 (100%)	15761 (100%)	15766

Table 192: Contingency table between readmission 30d and Tipo de Reoperação 10

| | Tipo de Reoperação 10 | | |
readmission_30d	2	NA	Total
0	1 (100%)	15162 (96%)	15163
1	0 (0%)	603 (4%)	603
Total	1 (100%)	15765 (100%)	15766

Table 193: Contingency table between readmission 30d and Tipo de Dispositivo ao final do procedimento 10

| | Tipo de Dispositivo ao final do procedimento 10 | | |
readmission__30d	2	NA	Total
0	1 (100%)	15162 (96%)	15163
1	0 (0%)	603 (4%)	603
Total	1 (100%)	15765 (100%)	15766

Table 194: Contingency table between readmission 30d and Óbito intraoperatório 10

| | Óbito intraoperatório 10 | | |
readmission__30d	0	NA	Total
0	1 (100%)	15162 (96%)	15163
1	0 (0%)	603 (4%)	603
Total	1 (100%)	15765 (100%)	15766

Table 195: Contingency table between readmission 30d and Mudança do tipo de DCEI: entre o Procedimento 1 e Procedimento 2

| | Mudança do tipo de DCEI: entre o Procedimento 1 e Procedimento 2 | | | |
readmission__30d	0	1	NA	Total
0	4353 (95%)	267 (96%)	10543 (97%)	15163
1	223 (5%)	12 (4%)	368 (3%)	603
Total	4576 (100%)	279 (100%)	10911 (100%)	15766

Table 196: Contingency table between readmission 30d and Mudança do tipo de DCEI: entre o Procedimento 2 e Procedimento 3

| | Mudança do tipo de DCEI: entre o Procedimento 2 e Procedimento 3 | | | |
readmission__30d	0	1	NA	Total
0	1284 (93%)	88 (94%)	13791 (97%)	15163
1	98 (7%)	6 (6%)	499 (3%)	603
Total	1382 (100%)	94 (100%)	14290 (100%)	15766

Table 197: Contingency table between readmission 30d and Mudança do tipo de DCEI: entre o Procedimento 3 e Procedimento 4

| | Mudança do tipo de DCEI: entre o Procedimento 3 e Procedimento 4 | | | |
readmission__30d	0	1	NA	Total
0	416 (91%)	26 (93%)	14721 (96%)	15163
1	41 (9%)	2 (7%)	560 (4%)	603
Total	457 (100%)	28 (100%)	15281 (100%)	15766

Table 198: Contingency table between readmission 30d and Mudança do tipo de DCEI: entre o Procedimento 4 e Procedimento 5

| | Mudança do tipo de DCEI: entre o Procedimento 4 e Procedimento 5 | | | |
readmission_30d	0	1	NA	Total
0	169 (93%)	9 (100%)	14985 (96%)	15163
1	13 (7%)	0 (0%)	590 (4%)	603
Total	182 (100%)	9 (100%)	15575 (100%)	15766

Table 199: Contingency table between readmission 30d and Mudança do tipo de DCEI: entre o Procedimento 5 e Procedimento 6

| | Mudança do tipo de DCEI: entre o Procedimento 5 e Procedimento 6 | | | |
readmission_30d	0	1	NA	Total
0	69 (93%)	7 (100%)	15087 (96%)	15163
1	5 (7%)	0 (0%)	598 (4%)	603
Total	74 (100%)	7 (100%)	15685 (100%)	15766

Table 200: Contingency table between readmission 30d and Mudança do tipo de DCEI: entre o Procedimento 6 e Procedimento 7

| | Mudança do tipo de DCEI: entre o Procedimento 6 e Procedimento 7 | | | |
readmission_30d	0	1	NA	Total
0	27 (96%)	3 (100%)	15133 (96%)	15163
1	1 (4%)	0 (0%)	602 (4%)	603
Total	28 (100%)	3 (100%)	15735 (100%)	15766

Table 201: Contingency table between readmission 30d and Mudança do tipo de DCEI: entre o Procedimento 7 e Procedimento 8

| | Mudança do tipo de DCEI: entre o Procedimento 7 e Procedimento 8 | | | |
readmission_30d	0	1	NA	Total
0	11 (100%)	1 (100%)	15151 (96%)	15163
1	0 (0%)	0 (0%)	603 (4%)	603
Total	11 (100%)	1 (100%)	15754 (100%)	15766

Table 202: Contingency table between readmission 30d and Mudança do tipo de DCEI: entre o Procedimento 8 e Procedimento 9

| | Mudança do tipo de DCEI: entre o Procedimento 8 e Procedimento 9 | | |
readmission_30d	0	NA	Total
0	5 (100%)	15158 (96%)	15163
1	0 (0%)	603 (4%)	603
Total	5 (100%)	15761 (100%)	15766

Table 203: Contingency table between readmission 30d and Mudança do tipo de DCEI: entre o Procedimento 9 e Procedimento 10

| readmission_30d | Mudança do tipo de DCEI: entre o Procedimento 9 e Procedimento 10 | | Total |
	0	NA	
0	1 (100%)	15162 (96%)	15163
1	0 (0%)	603 (4%)	603
Total	1 (100%)	15765 (100%)	15766

Table 204: Contingency table between readmission 30d and Diálise durante os episódios de hospitalização

| readmission_30d | Diálise durante os episódios de hospitalização | | Total |
	0	1	
0	15125 (96%)	38 (86%)	15163
1	597 (4%)	6 (14%)	603
Total	15722 (100%)	44 (100%)	15766

Table 205: Contingency table between readmission 30d and UTI durante os episódios de hospitalização

| readmission_30d | UTI durante os episódios de hospitalização | | Total |
	0	1	
0	12179 (97%)	2984 (93%)	15163
1	376 (3%)	227 (7%)	603
Total	12555 (100%)	3211 (100%)	15766

Table 206: Contingency table between readmission 30d and Admissão em até 180 dias antes da T0

| readmission_30d | Admissão em até 180 dias antes da T0 | | Total |
	0	1	
0	14178 (96%)	985 (92%)	15163
1	518 (4%)	85 (8%)	603
Total	14696 (100%)	1070 (100%)	15766

Table 207: Contingency table between readmission 30d and Readmissões pós-T0 com diálise

| readmission_30d | Readmissões pós-T0 com diálise | | | | Total |
	0	1	2	3	
0	15142 (96%)	19 (100%)	2 (100%)	0 (0%)	15163
1	602 (4%)	0 (0%)	0 (0%)	1 (100%)	603
Total	15744 (100%)	19 (100%)	2 (100%)	1 (100%)	15766

Table 208: Contingency table between readmission 30d and Desfecho principal da admissão T0

	Desfecho principal da admissão T0	
readmission__30d	0	Total
0	15163 (96%)	15163
1	603 (4%)	603
Total	15766 (100%)	15766

Table 209: Contingency table between readmission 30d and Readmissão cirúrgica em até 30 dias

	Readmissão cirúrgica em até 30 dias		
readmission__30d	0	1	Total
0	15163 (97%)	0 (0%)	15163
1	466 (3%)	137 (100%)	603
Total	15629 (100%)	137 (100%)	15766

Table 210: Contingency table between readmission 30d and Readmissão cirúrgica entre 31 a 60 dias

	Readmissão cirúrgica entre 31 a 60 dias		
readmission__30d	0	1	Total
0	15080 (96%)	83 (89%)	15163
1	593 (4%)	10 (11%)	603
Total	15673 (100%)	93 (100%)	15766

Table 211: Contingency table between readmission 30d and Readmissão cirúgica entre 61 a 180 dias

	Readmissão cirúgica entre 61 a 180 dias		
readmission__30d	0	1	Total
0	15023 (96%)	140 (94%)	15163
1	594 (4%)	9 (6%)	603
Total	15617 (100%)	149 (100%)	15766

Table 212: Contingency table between readmission 30d and Readmissão cirúrgica em até 1 ano

	Readmissão cirúrgica em até 1 ano		
readmission__30d	0	1	Total
0	15046 (96%)	117 (89%)	15163
1	588 (4%)	15 (11%)	603
Total	15634 (100%)	132 (100%)	15766

Table 213: Contingency table between readmission 30d and Desfecho final do estudo

readmission_30d	Desfecho final do estudo			Total
	1	2	3	
0	2326 (92%)	7506 (97%)	5331 (97%)	15163
1	215 (8%)	222 (3%)	166 (3%)	603
Total	2541 (100%)	7728 (100%)	5497 (100%)	15766

Table 214: Contingency table between readmission 30d and Ventilação mecânica / IOT

readmission_30d	Ventilação mecânica / IOT		Total
	1	NA	
0	2680 (94%)	12483 (97%)	15163
1	169 (6%)	434 (3%)	603
Total	2849 (100%)	12917 (100%)	15766