

# Tables

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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_1year	Mean	Min	Median	Max	Standard Deviation	N	Missing
<b>0</b>	65.821	0	69.1	110.6	17.763	14012	0
<b>1</b>	63.573	0	67.5	98.8	19.225	2012	0

Table 2: Número de comorbidades

readmission_1year	Mean	Min	Median	Max	Standard Deviation	N	Missing
<b>0</b>	1.218	0	1	8	1.330	14012	0
<b>1</b>	1.561	0	1	8	1.488	2012	0

Table 3: Ano do procedimento 1

readmission_1year	Mean	Min	Median	Max	Standard Deviation	N	Missing
<b>0</b>	2010.636	1999	2010	2021	5.826	14012	0
<b>1</b>	2010.290	1999	2010	2021	5.428	2012	0

Table 4: Idade no Procedimento 1

readmission_1year	Mean	Min	Median	Max	Standard Deviation	N	Missing
<b>0</b>	65.821	0	69.1	110.6	17.763	14012	0
<b>1</b>	63.573	0	67.5	98.8	19.225	2012	0

Table 5: Ano do procedimento 2

readmission_1year	Mean	Min	Median	Max	Standard Deviation	N	Missing
<b>0</b>	2013.440	1999	2014	2022	4.380	14012	9929
<b>1</b>	2011.241	1999	2011	2022	5.708	2012	1214

Table 6: Idade no Procedimento 2

readmission_1year	Mean	Min	Median	Max	Standard Deviation	N	Missing
<b>0</b>	65.813	0.4	69.80	108.7	19.172	14012	9928
<b>1</b>	61.586	0.0	64.75	100.7	19.386	2012	1214

Table 7: Ano do procedimento 3

readmission_1year	Mean	Min	Median	Max	Standard Deviation	N	Missing
<b>0</b>	2014.959	1999	2015	2022	4.378	14012	12857
<b>1</b>	2012.028	2002	2012	2022	5.446	2012	1687

Table 8: Idade no Procedimento 3

readmission_1year	Mean	Min	Median	Max	Standard Deviation	N	Missing
<b>0</b>	62.279	3.9	66.2	101.1	20.850	14012	12857
<b>1</b>	61.167	0.4	65.6	97.6	20.437	2012	1687

Table 9: Ano do procedimento 4

readmission_1year	Mean	Min	Median	Max	Standard Deviation	N	Missing
<b>0</b>	2015.074	2003	2015	2022	4.363	14012	13673
<b>1</b>	2013.034	2002	2014	2022	5.459	2012	1866

Table 10: Idade no Procedimento 4

readmission_1year	Mean	Min	Median	Max	Standard Deviation	N	Missing
<b>0</b>	58.937	4.3	63.0	97.7	22.067	14012	13673
<b>1</b>	61.222	1.9	66.3	96.9	21.568	2012	1866

Table 11: Ano do procedimento 5

readmission_1year	Mean	Min	Median	Max	Standard Deviation	N	Missing
<b>0</b>	2014.786	2004	2015	2022	3.885	14012	13872
<b>1</b>	2012.750	2003	2013	2021	4.639	2012	1960

Table 12: Idade no Procedimento 5

readmission_1year	Mean	Min	Median	Max	Standard Deviation	N	Missing
<b>0</b>	58.142	6.3	62.75	99.7	21.971	14012	13872
<b>1</b>	57.044	3.2	62.80	88.2	22.401	2012	1960

Table 13: Ano do procedimento 6

readmission_1year	Mean	Min	Median	Max	Standard Deviation	N	Missing
<b>0</b>	2015.729	2004	2017	2021	4.302	14012	13953
<b>1</b>	2012.045	2003	2012	2020	4.157	2012	1990

Table 14: Idade no Procedimento 6

readmission_1year	Mean	Min	Median	Max	Standard Deviation	N	Missing
<b>0</b>	56.936	6.6	58.80	101.6	22.214	14012	13953
<b>1</b>	52.995	10.9	60.55	88.7	23.145	2012	1990

Table 15: Ano do procedimento 7

readmission_1year	Mean	Min	Median	Max	Standard Deviation	N	Missing
<b>0</b>	2016.476	2007	2018	2022	4.343	14012	13991
<b>1</b>	2014.091	2010	2013	2021	3.885	2012	2001

Table 16: Idade no Procedimento 7

readmission_1year	Mean	Min	Median	Max	Standard Deviation	N	Missing
<b>0</b>	49.567	8.8	52.8	81.8	21.745	14012	13991
<b>1</b>	54.409	17.6	63.9	78.8	19.649	2012	2001

Table 17: Ano do procedimento 8

readmission_1year	Mean	Min	Median	Max	Standard Deviation	N	Missing
<b>0</b>	2015.222	2008	2016	2020	4.206	14012	14003
<b>1</b>	2014.000	2010	2015	2017	3.606	2012	2009

Table 18: Idade no Procedimento 8

readmission_1year	Mean	Min	Median	Max	Standard Deviation	N	Missing
<b>0</b>	55.444	14.3	61.7	81.8	22.865	14012	14003
<b>1</b>	42.800	17.6	42.4	68.4	25.402	2012	2009

Table 19: Ano do procedimento 9

readmission_1year	Mean	Min	Median	Max	Standard Deviation	N	Missing
<b>0</b>	2014.5	2009	2013.5	2022	5.802	14012	14008
<b>1</b>	2016.0	2016	2016.0	2016	NA	2012	2011

Table 20: Idade no Procedimento 9

readmission_1year	Mean	Min	Median	Max	Standard Deviation	N	Missing
<b>0</b>	44.1	15.0	39.6	82.2	28.029	14012	14008
<b>1</b>	22.9	22.9	22.9	22.9	NA	2012	2011

Table 21: Ano do procedimento 10

readmission_1year	Mean	Min	Median	Max	Standard Deviation	N	Missing
<b>0</b>	2019	2019	2019	2019	NA	14012	14011
<b>1</b>	NaN	NA	NA	NA	NA	2012	2012

Table 22: Idade no Procedimento 10

readmission_1year	Mean	Min	Median	Max	Standard Deviation	N	Missing
<b>0</b>	39.7	39.7	39.7	39.7	NA	14012	14011
<b>1</b>	NaN	NA	NA	NA	NA	2012	2012

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

readmission_1year	Mean	Min	Median	Max	Standard Deviation	N	Missing
<b>0</b>	82.194	0	89.00	197.1	34.112	14012	9928
<b>1</b>	26.023	0	5.95	155.5	36.879	2012	1214

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

readmission_1year	Mean	Min	Median	Max	Standard Deviation	N	Missing
<b>0</b>	59.346	0	64.6	170.5	38.507	14012	12857
<b>1</b>	42.072	0	32.2	132.5	41.301	2012	1687

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

readmission_1year	Mean	Min	Median	Max	Standard Deviation	N	Missing
<b>0</b>	38.796	0.0	33.35	142.7	38.397	14012	13674
<b>1</b>	41.476	0.1	25.50	137.4	43.015	2012	1866

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

readmission_1year	Mean	Min	Median	Max	Standard Deviation	N	Missing
<b>0</b>	30.172	0.0	5.65	127.6	36.439	14012	13872
<b>1</b>	38.310	0.1	17.30	144.3	43.156	2012	1960

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

readmission_1year	Mean	Min	Median	Max	Standard Deviation	N	Missing
<b>0</b>	31.083	0.0	6.20	110.3	36.941	14012	13953
<b>1</b>	18.623	0.1	4.45	82.4	27.338	2012	1990

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

readmission_1year	Mean	Min	Median	Max	Standard Deviation	N	Missing
<b>0</b>	37.038	0.0	4.0	142.3	45.729	14012	13991
<b>1</b>	20.900	0.1	3.9	93.1	35.544	2012	2001

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

readmission_1year	Mean	Min	Median	Max	Standard Deviation	N	Missing
<b>0</b>	14.289	0.2	2.2	80.9	27.172	14012	14003
<b>1</b>	37.067	0.6	52.2	58.4	31.733	2012	2009

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

readmission_1year	Mean	Min	Median	Max	Standard Deviation	N	Missing
<b>0</b>	11.35	4.8	6.9	26.8	10.451	14012	14008
<b>1</b>	63.20	63.2	63.2	63.2	NA	2012	2011

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

readmission_1year	Mean	Min	Median	Max	Standard Deviation	N	Missing
<b>0</b>	36.8	36.8	36.8	36.8	NA	14012	14011
<b>1</b>	NaN	NA	NA	NA	NA	2012	2012

Table 32: Número de Mudanças do tipo de DCEI

readmission_1year	Mean	Min	Median	Max	Standard Deviation	N	Missing
<b>0</b>	0.079	0	0	3	0.282	14012	9930
<b>1</b>	0.126	0	0	2	0.357	2012	1216

Table 33: Número de atendimentos

readmission_1year	Mean	Min	Median	Max	Standard Deviation	N	Missing
<b>0</b>	2.040	1	1	25	1.661	14012	0
<b>1</b>	4.689	2	3	51	3.705	2012	0

Table 34: Número da Admissão T0 (admissão índice)

readmission_1year	Mean	Min	Median	Max	Standard Deviation	N	Missing
<b>0</b>	1.364	1	1	22	0.944	14012	0
<b>1</b>	1.992	1	1	32	1.921	2012	0

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

readmission_1year	Mean	Min	Median	Max	Standard Deviation	N	Missing
<b>0</b>	0.598	0	0	18	1.222	14012	0
<b>1</b>	2.603	0	2	50	2.910	2012	0

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

readmission_1year	Mean	Min	Median	Max	Standard Deviation	N	Missing
<b>0</b>	0.470	0	0	21	1.034	14012	0
<b>1</b>	1.088	0	0	38	2.155	2012	0

Table 37: Ano da admissão T0

readmission_1year	Mean	Min	Median	Max	Standard Deviation	N	Missing
<b>0</b>	2010.630	1999	2010	2021	5.827	14012	15
<b>1</b>	2010.274	1999	2010	2021	5.428	2012	5

Table 38: UTI durante a admissão T0

readmission_1year	Mean	Min	Median	Max	Standard Deviation	N	Missing
<b>0</b>	1.717	0	0	213	7.566	14012	0
<b>1</b>	3.839	0	0	188	11.806	2012	0

Table 39: Diálise durante a admissão T0

readmission_1year	Mean	Min	Median	Max	Standard Deviation	N	Missing
<b>0</b>	0.037	0	0	78	1.231	14012	0
<b>1</b>	0.042	0	0	25	0.839	2012	0

Table 40: Readmissão em até 30 dias

readmission_1year	Mean	Min	Median	Max	Standard Deviation	N	Missing
<b>0</b>	0.0	0	0	0	0.000	14012	0
<b>1</b>	0.3	0	0	1	0.458	2012	0

Table 41: Readmissão entre 31 a 60 dias

readmission_1year	Mean	Min	Median	Max	Standard Deviation	N	Missing
<b>0</b>	0.00	0	0	0	0.000	14012	0
<b>1</b>	0.45	0	0	1	0.498	2012	0

Table 42: Readmissão entre 61 a 180 dias

readmission_1year	Mean	Min	Median	Max	Standard Deviation	N	Missing
<b>0</b>	0.00	0	0	0	0.000	14012	0
<b>1</b>	0.74	0	1	1	0.439	2012	0

Table 43: Readmissão em até 1 ano

readmission_1year	Mean	Min	Median	Max	Standard Deviation	N	Missing
<b>0</b>	0	0	0	0	0	14012	0
<b>1</b>	1	1	1	1	0	2012	0

Table 44: Tempo de seguimento total (anos)

readmission_1year	Mean	Min	Median	Max	Standard Deviation	N	Missing
<b>0</b>	5.953	0	4.5	22.6	5.294	14012	0
<b>1</b>	4.623	0	3.0	22.1	4.769	2012	0

Table 45: Óbito intraoperatório

readmission_1year	Mean	Min	Median	Max	Standard Deviation	N	Missing
<b>0</b>	0.001	0	0	1	0.028	14012	0
<b>1</b>	0.000	0	0	0	0.000	2012	0

Table 46: Óbito hospitalar (intraoperatório ou admissao T0)

readmission_1year	Mean	Min	Median	Max	Standard Deviation	N	Missing
<b>0</b>	0.019	0	0	1	0.135	14012	0
<b>1</b>	0.000	0	0	0	0.000	2012	0

Table 47: Óbito durante algum episódio de readmissão hospitalar

readmission_1year	Mean	Min	Median	Max	Standard Deviation	N	Missing
<b>0</b>	0.052	0	0	1	0.221	14012	0
<b>1</b>	0.288	0	0	1	0.453	2012	0

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

readmission_1year	Mean	Min	Median	Max	Standard Deviation	N	Missing
<b>0</b>	0.002	0	0	1	0.045	14012	0
<b>1</b>	0.021	0	0	1	0.143	2012	0

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

readmission_1year	Mean	Min	Median	Max	Standard Deviation	N	Missing
<b>0</b>	0.008	0	0	1	0.091	14012	0
<b>1</b>	0.106	0	0	1	0.308	2012	0



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

readmission_1year	Mean	Min	Median	Max	Standard Deviation	N	Missing
<b>0</b>	0.012	0	0	1	0.110	14012	0
<b>1</b>	0.171	0	0	1	0.377	2012	0

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

readmission_1year	Mean	Min	Median	Max	Standard Deviation	N	Missing
<b>0</b>	0.022	0	0	1	0.147	14012	0
<b>1</b>	0.221	0	0	1	0.415	2012	0

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

readmission_1year	Mean	Min	Median	Max	Standard Deviation	N	Missing
<b>0</b>	0.030	0	0	1	0.172	14012	0
<b>1</b>	0.242	0	0	1	0.428	2012	0

Table 53: Óbito (status final)

readmission_1year	Mean	Min	Median	Max	Standard Deviation	N	Missing
<b>0</b>	0.150	0	0	1	0.357	14012	0
<b>1</b>	0.346	0	0	1	0.476	2012	0

Table 54: Tempo de sobrevida (anos)

readmission_1year	Mean	Min	Median	Max	Standard Deviation	N	Missing
<b>0</b>	4.201	0	2.9	20.1	4.348	14012	12629
<b>1</b>	2.210	0	0.9	17.3	2.926	2012	1372

Table 55: Diárias no serviço de Emergência na admissão T0

readmission_1year	Mean	Min	Median	Max	Standard Deviation	N	Missing
<b>0</b>	0.302	0	0	27	1.310	14012	5259
<b>1</b>	0.461	0	0	28	1.706	2012	749

Table 56: Anticoagulantes orais

readmission_1year	Mean	Min	Median	Max	Standard Deviation	N	Missing
<b>0</b>	0.254	0	0	98.0	2.307	14012	3093
<b>1</b>	0.643	0	0	60.5	3.255	2012	426

Table 57: Antiarritmicos

readmission_1year	Mean	Min	Median	Max	Standard Deviation	N	Missing
<b>0</b>	3.379	0	0	575	17.381	14012	3093
<b>1</b>	10.314	0	0	844	38.138	2012	426

Table 58: Antihipertensivo

readmission_1year	Mean	Min	Median	Max	Standard Deviation	N	Missing
<b>0</b>	0.469	0	0	349	5.465	14012	3093
<b>1</b>	0.738	0	0	160	6.277	2012	426

Table 59: Betabloqueador

readmission_1year	Mean	Min	Median	Max	Standard Deviation	N	Missing
<b>0</b>	0.925	0	0	288	6.385	14012	3093
<b>1</b>	2.387	0	0	388	15.315	2012	426

Table 60: IECA/BRA

readmission_1year	Mean	Min	Median	Max	Standard Deviation	N	Missing
<b>0</b>	8.347	0	2	773	21.280	14012	3093
<b>1</b>	13.960	0	4	332	28.585	2012	426

Table 61: DVA

readmission_1year	Mean	Min	Median	Max	Standard Deviation	N	Missing
<b>0</b>	6.834	0	0	1917	46.196	14012	3093
<b>1</b>	12.949	0	0	1044	52.872	2012	426

Table 62: Digoxina

readmission_1year	Mean	Min	Median	Max	Standard Deviation	N	Missing
<b>0</b>	0.194	0	0	50	1.471	14012	3093
<b>1</b>	0.532	0	0	47	2.716	2012	426

Table 63: Estatinas

readmission_1year	Mean	Min	Median	Max	Standard Deviation	N	Missing
<b>0</b>	4.665	0	0	421	15.317	14012	3093
<b>1</b>	9.600	0	0	413	26.224	2012	426

Table 64: Diuretico

readmission_1year	Mean	Min	Median	Max	Standard Deviation	N	Missing
<b>0</b>	10.204	0	0	2966	65.775	14012	3093
<b>1</b>	23.033	0	2	1290	94.279	2012	426

Table 65: Vasodilator

readmission_1year	Mean	Min	Median	Max	Standard Deviation	N	Missing
<b>0</b>	8.179	0	0	3820.5	56.530	14012	3093
<b>1</b>	25.306	0	0	2408.0	102.991	2012	426

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

readmission_1year	Mean	Min	Median	Max	Standard Deviation	N	Missing
<b>0</b>	3.904	0	0	426	15.234	14012	3093
<b>1</b>	9.822	0	0	453	26.302	2012	426

Table 67: Antagonista da Aldosterona (espironolactona)

readmission_1year	Mean	Min	Median	Max	Standard Deviation	N	Missing
<b>0</b>	1.754	0	0	255	7.186	14012	3093
<b>1</b>	4.921	0	0	162	13.691	2012	426

Table 68: Bloqueador do canal de calcio

readmission_1year	Mean	Min	Median	Max	Standard Deviation	N	Missing
<b>0</b>	0.29	0	0	254	4.704	14012	3093
<b>1</b>	2.98	0	0	509	23.926	2012	426

Table 69: Trombolitico

readmission_1year	Mean	Min	Median	Max	Standard Deviation	N	Missing
<b>0</b>	0.001	0	0	3	0.049	14012	3093
<b>1</b>	0.001	0	0	1	0.035	2012	426

Table 70: Antiplaquetario VO

readmission_1year	Mean	Min	Median	Max	Standard Deviation	N	Missing
<b>0</b>	0	0	0	0	0	14012	3093
<b>1</b>	0	0	0	0	0	2012	426

Table 71: Antiplaquetario EV

readmission_1year	Mean	Min	Median	Max	Standard Deviation	N	Missing
<b>0</b>	0.009	0	0	8	0.165	14012	3093
<b>1</b>	0.027	0	0	5	0.256	2012	426

Table 72: Insulina

readmission_1year	Mean	Min	Median	Max	Standard Deviation	N	Missing
<b>0</b>	0.097	0	0	16	0.491	14012	3093
<b>1</b>	0.142	0	0	7	0.566	2012	426

Table 73: Hipoglicemiante

readmission_1year	Mean	Min	Median	Max	Standard Deviation	N	Missing
<b>0</b>	0.329	0	0	79	2.544	14012	3093
<b>1</b>	0.518	0	0	90	4.247	2012	426

Table 74: Hormonio tireoidiano

readmission_1year	Mean	Min	Median	Max	Standard Deviation	N	Missing
<b>0</b>	0	0	0	0	0	14012	3093
<b>1</b>	0	0	0	0	0	2012	426

Table 75: Broncodilatador

readmission_1year	Mean	Min	Median	Max	Standard Deviation	N	Missing
<b>0</b>	0	0	0	0	0	14012	3093
<b>1</b>	0	0	0	0	0	2012	426

Table 76: Anticonvulsivante

readmission_1year	Mean	Min	Median	Max	Standard Deviation	N	Missing
<b>0</b>	0.788	0	0	334	8.926	14012	3093
<b>1</b>	2.799	0	0	390	22.641	2012	426

Table 77: Psicofármacos (Ansiolítico/ antidepresivo/ antipsicótico)

readmission_1year	Mean	Min	Median	Max	Standard Deviation	N	Missing
<b>0</b>	3.511	0	0.00	573	13.512	14012	3093
<b>1</b>	7.779	0	0.75	251	20.873	2012	426

Table 78: Antibióticos

readmission_1year	Mean	Min	Median	Max	Standard Deviation	N	Missing
<b>0</b>	13.918	0	4	1812	61.559	14012	3093
<b>1</b>	23.452	0	4	1459	76.913	2012	426

Table 79: Antifúngicos

readmission_1year	Mean	Min	Median	Max	Standard Deviation	N	Missing
<b>0</b>	0.415	0	0	122	4.333	14012	3093
<b>1</b>	0.710	0	0	99	4.823	2012	426

Table 80: Antiviral

readmission_1year	Mean	Min	Median	Max	Standard Deviation	N	Missing
<b>0</b>	0.055	0	0	86	1.612	14012	3093
<b>1</b>	0.584	0	0	131	6.397	2012	426

Table 81: Antiretroviral

readmission_1year	Mean	Min	Median	Max	Standard Deviation	N	Missing
<b>0</b>	0.007	0	0	32	0.432	14012	3093
<b>1</b>	0.017	0	0	20	0.518	2012	426

Table 82: Quantidade de classes medicamentosas utilizadas

readmission_1year	Mean	Min	Median	Max	Standard Deviation	N	Missing
<b>0</b>	4.615	1	4	17	2.493	14012	4394
<b>1</b>	6.137	1	6	16	2.814	2012	620

Table 83: Ventilação não invasiva

readmission_1year	Mean	Min	Median	Max	Standard Deviation	N	Missing
<b>0</b>	0.054	0	0	114	1.658	14012	2437
<b>1</b>	0.001	0	0	2	0.049	2012	329

Table 84: Instalação de CEC

readmission_1year	Mean	Min	Median	Max	Standard Deviation	N	Missing
<b>0</b>	0.011	0	0	2	0.106	14012	2437
<b>1</b>	0.026	0	0	1	0.160	2012	329

Table 85: Cirurgia Cardiovascular

readmission_1year	Mean	Min	Median	Max	Standard Deviation	N	Missing
<b>0</b>	0.057	0	0	9	0.378	14012	2437
<b>1</b>	0.071	0	0	6	0.448	2012	329

Table 86: Transplante cardíaco

readmission_1year	Mean	Min	Median	Max	Standard Deviation	N	Missing
<b>0</b>	0.000	0	0	1	0.016	14012	2437
<b>1</b>	0.011	0	0	1	0.106	2012	329

Table 87: Cirurgia Toracica

readmission_1year	Mean	Min	Median	Max	Standard Deviation	N	Missing
<b>0</b>	0.004	0	0	9	0.107	14012	2437
<b>1</b>	0.006	0	0	2	0.097	2012	329

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

readmission_1year	Mean	Min	Median	Max	Standard Deviation	N	Missing
<b>0</b>	0.106	0	0	22	0.556	14012	2437
<b>1</b>	0.191	0	0	9	0.740	2012	329

Table 89: Traqueostomia

readmission_1year	Mean	Min	Median	Max	Standard Deviation	N	Missing
<b>0</b>	0.002	0	0	8	0.084	14012	2437
<b>1</b>	0.004	0	0	5	0.127	2012	329

Table 90: Intervenção coronária percutânea

readmission_1year	Mean	Min	Median	Max	Standard Deviation	N	Missing
<b>0</b>	0.009	0	0	4	0.120	14012	2437
<b>1</b>	0.028	0	0	4	0.228	2012	329

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

readmission_1year	Mean	Min	Median	Max	Standard Deviation	N	Missing
<b>0</b>	0.007	0	0	3	0.114	14012	2437
<b>1</b>	0.012	0	0	2	0.128	2012	329

Table 92: Stent

readmission_1year	Mean	Min	Median	Max	Standard Deviation	N	Missing
<b>0</b>	0	0	0	1	0.009	14012	2437
<b>1</b>	0	0	0	0	0.000	2012	329

Table 93: Angioplastia

readmission_1year	Mean	Min	Median	Max	Standard Deviation	N	Missing
<b>0</b>	0.001	0	0	2	0.038	14012	2437
<b>1</b>	0.004	0	0	1	0.064	2012	329

Table 94: Cateterismo

readmission_1year	Mean	Min	Median	Max	Standard Deviation	N	Missing
<b>0</b>	0.112	0	0	4	0.380	14012	2437
<b>1</b>	0.223	0	0	7	0.559	2012	329

Table 95: Eletrofisiologia

readmission_1year	Mean	Min	Median	Max	Standard Deviation	N	Missing
<b>0</b>	0.072	0	0	11	0.449	14012	2437
<b>1</b>	0.156	0	0	7	0.641	2012	329

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

readmission_1year	Mean	Min	Median	Max	Standard Deviation	N	Missing
<b>0</b>	0.048	0	0	152	2.101	14012	2437
<b>1</b>	0.672	0	0	535	14.634	2012	329

Table 97: Cateter venoso central

readmission_1year	Mean	Min	Median	Max	Standard Deviation	N	Missing
<b>0</b>	0.024	0	0	5	0.183	14012	2437
<b>1</b>	0.077	0	0	4	0.362	2012	329

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

readmission_1year	Mean	Min	Median	Max	Standard Deviation	N	Missing
<b>0</b>	0.006	0	0	6	0.119	14012	2437
<b>1</b>	0.009	0	0	4	0.148	2012	329

Table 99: Quantidade de procedimentos invasivos

readmission_1year	Mean	Min	Median	Max	Standard Deviation	N	Missing
<b>0</b>	0.459	0	0	159	2.576	14012	2437
<b>1</b>	1.491	0	0	554	15.358	2012	329

Table 100: Cardioversão/ Desfibrilação (sessão)

readmission_1year	Mean	Min	Median	Max	Standard Deviation	N	Missing
<b>0</b>	0.005	0	0	5	0.113	14012	3166
<b>1</b>	0.017	0	0	4	0.198	2012	438

Table 101: Transfusão de hemoderivados

readmission_1year	Mean	Min	Median	Max	Standard Deviation	N	Missing
<b>0</b>	0.049	0	0	61	1.013	14012	2437
<b>1</b>	0.078	0	0	18	0.764	2012	329

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

readmission_1year	Mean	Min	Median	Max	Standard Deviation	N	Missing
<b>0</b>	0.357	0	0	115	2.747	14012	2437
<b>1</b>	0.809	0	0	199	6.388	2012	329

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

readmission_1year	Mean	Min	Median	Max	Standard Deviation	N	Missing
<b>0</b>	3.107	0	0	420	14.343	14012	2437
<b>1</b>	6.326	0	1	328	21.530	2012	329

Table 104: ECG

readmission_1year	Mean	Min	Median	Max	Standard Deviation	N	Missing
<b>0</b>	3.848	0	2	141	6.026	14012	2437
<b>1</b>	6.187	0	3	140	9.132	2012	329

Table 105: Holter

readmission_1year	Mean	Min	Median	Max	Standard Deviation	N	Missing
<b>0</b>	0.094	0	0	5	0.338	14012	2437
<b>1</b>	0.195	0	0	5	0.464	2012	329



Table 106: Teste de esforço

readmission_1year	Mean	Min	Median	Max	Standard Deviation	N	Missing
<b>0</b>	0.010	0	0	3	0.102	14012	2437
<b>1</b>	0.015	0	0	2	0.133	2012	329

Table 107: Espirometria / Ergoespirometria

readmission_1year	Mean	Min	Median	Max	Standard Deviation	N	Missing
<b>0</b>	0.004	0	0	2	0.062	14012	2437
<b>1</b>	0.011	0	0	1	0.103	2012	329

Table 108: Tilt Test

readmission_1year	Mean	Min	Median	Max	Standard Deviation	N	Missing
<b>0</b>	0.002	0	0	2	0.047	14012	2437
<b>1</b>	0.005	0	0	1	0.069	2012	329

Table 109: Polissonografia

readmission_1year	Mean	Min	Median	Max	Standard Deviation	N	Missing
<b>0</b>	0.001	0	0	2	0.042	14012	2437
<b>1</b>	0.003	0	0	2	0.064	2012	329

Table 110: Quantidade de exames por métodos gráficos

readmission_1year	Mean	Min	Median	Max	Standard Deviation	N	Missing
<b>0</b>	3.959	0	2	143	6.148	14012	2437
<b>1</b>	6.416	0	4	140	9.280	2012	329

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

readmission_1year	Mean	Min	Median	Max	Standard Deviation	N	Missing
<b>0</b>	60.775	0	9	3608	185.945	14012	2437
<b>1</b>	125.445	0	28	3474	290.772	2012	329

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

readmission_1year	Mean	Min	Median	Max	Standard Deviation	N	Missing
<b>0</b>	0.337	0	0	48	1.544	14012	2437
<b>1</b>	0.600	0	0	19	1.775	2012	329

Table 113: Quantidade de exames de análises clínicas

readmission_1year	Mean	Min	Median	Max	Standard Deviation	N	Missing
<b>0</b>	61.113	0	9	3645	187.162	14012	2437
<b>1</b>	126.045	0	28	3487	292.236	2012	329

Table 114: Citologias

readmission_1year	Mean	Min	Median	Max	Standard Deviation	N	Missing
<b>0</b>	0.008	0	0	8	0.143	14012	2437
<b>1</b>	0.020	0	0	4	0.199	2012	329

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

readmission_1year	Mean	Min	Median	Max	Standard Deviation	N	Missing
<b>0</b>	0.005	0	0	4	0.111	14012	2437
<b>1</b>	0.086	0	0	10	0.655	2012	329

Table 116: Quantidade de exames histopatológicos

readmission_1year	Mean	Min	Median	Max	Standard Deviation	N	Missing
<b>0</b>	0.013	0	0	8	0.182	14012	2437
<b>1</b>	0.106	0	0	10	0.710	2012	329

Table 117: Angio RM

readmission_1year	Mean	Min	Median	Max	Standard Deviation	N	Missing
<b>0</b>	0.003	0	0	3	0.068	14012	2437
<b>1</b>	0.012	0	0	4	0.158	2012	329

Table 118: Angio TC

readmission_1year	Mean	Min	Median	Max	Standard Deviation	N	Missing
<b>0</b>	0.033	0	0	9	0.240	14012	2437
<b>1</b>	0.059	0	0	5	0.331	2012	329

Table 119: Angiografia

readmission_1year	Mean	Min	Median	Max	Standard Deviation	N	Missing
<b>0</b>	0.002	0	0	3	0.052	14012	2437
<b>1</b>	0.002	0	0	1	0.042	2012	329

Table 120: Aortografia

readmission_1year	Mean	Min	Median	Max	Standard Deviation	N	Missing
<b>0</b>	0.002	0	0	2	0.047	14012	2437
<b>1</b>	0.004	0	0	2	0.073	2012	329

Table 121: Arteriografia

readmission_1year	Mean	Min	Median	Max	Standard Deviation	N	Missing
<b>0</b>	0.000	0	0	1	0.019	14012	2437
<b>1</b>	0.003	0	0	2	0.064	2012	329

Table 122: Cavografia

readmission_1year	Mean	Min	Median	Max	Standard Deviation	N	Missing
<b>0</b>	0.008	0	0	1	0.086	14012	2437
<b>1</b>	0.008	0	0	1	0.088	2012	329

Table 123: Cintilografia

readmission_1year	Mean	Min	Median	Max	Standard Deviation	N	Missing
<b>0</b>	0.057	0	0	5	0.332	14012	2437
<b>1</b>	0.130	0	0	4	0.489	2012	329

Table 124: Ecocardiograma

readmission_1year	Mean	Min	Median	Max	Standard Deviation	N	Missing
<b>0</b>	0.514	0	0	24	1.104	14012	2437
<b>1</b>	0.986	0	0	24	2.203	2012	329

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

readmission_1year	Mean	Min	Median	Max	Standard Deviation	N	Missing
<b>0</b>	0.015	0	0	6	0.164	14012	2437
<b>1</b>	0.047	0	0	4	0.286	2012	329

Table 126: Flebografia

readmission_1year	Mean	Min	Median	Max	Standard Deviation	N	Missing
<b>0</b>	0.034	0	0	5	0.280	14012	2437
<b>1</b>	0.051	0	0	5	0.357	2012	329

Table 127: PET-CT

readmission_1year	Mean	Min	Median	Max	Standard Deviation	N	Missing
<b>0</b>	0.005	0	0	3	0.076	14012	2437
<b>1</b>	0.009	0	0	2	0.100	2012	329

Table 128: Ultrassom

readmission_1year	Mean	Min	Median	Max	Standard Deviation	N	Missing
<b>0</b>	0.168	0	0	28	0.834	14012	2437
<b>1</b>	0.414	0	0	14	1.298	2012	329

Table 129: Tomografia

readmission_1year	Mean	Min	Median	Max	Standard Deviation	N	Missing
<b>0</b>	0.153	0	0	15	0.656	14012	2437
<b>1</b>	0.325	0	0	12	1.027	2012	329

Table 130: Radiografias

readmission_1year	Mean	Min	Median	Max	Standard Deviation	N	Missing
<b>0</b>	3.105	0	1	261	8.212	14012	2437
<b>1</b>	5.245	0	2	192	12.526	2012	329

Table 131: Ressonancia magnetica

readmission_1year	Mean	Min	Median	Max	Standard Deviation	N	Missing
<b>0</b>	0.063	0	0	6	0.284	14012	2437
<b>1</b>	0.144	0	0	4	0.429	2012	329

Table 132: Quantidade de exames diagnóstico por imagem

readmission_1year	Mean	Min	Median	Max	Standard Deviation	N	Missing
<b>0</b>	4.162	0	2	281	9.983	14012	2437
<b>1</b>	7.438	0	3	232	15.586	2012	329

Table 133: Dieta enteral (frasco)

readmission_1year	Mean	Min	Median	Max	Standard Deviation	N	Missing
<b>0</b>	0.055	0	0	195	2.456	14012	3168
<b>1</b>	0.159	0	0	115	4.059	2012	438

Table 134: Dieta parenteral (frasco)

readmission_1year	Mean	Min	Median	Max	Standard Deviation	N	Missing
<b>0</b>	0.002	0	0	14	0.143	14012	3168
<b>1</b>	0.006	0	0	5	0.149	2012	438

Table 135: Bomba de infusão contínua (horas)

readmission_1year	Mean	Min	Median	Max	Standard Deviation	N	Missing
<b>0</b>	0.831	0	0	1269	18.443	14012	3168
<b>1</b>	3.429	0	0	1527	49.091	2012	438

Table 136: Marca-passo temporário (por hora)

readmission_1year	Mean	Min	Median	Max	Standard Deviation	N	Missing
<b>0</b>	0.154	0	0	180	3.126	14012	3168
<b>1</b>	0.323	0	0	109	4.290	2012	438

Table 137: Número de procedimentos na admissão T0

readmission_1year	Mean	Min	Median	Max	Standard Deviation	N	Missing
<b>0</b>	1.016	1	1	5	0.144	14012	0
<b>1</b>	1.018	1	1	3	0.145	2012	0

Table 138: Número de procedimentos em até 30 dias

readmission_1year	Mean	Min	Median	Max	Standard Deviation	N	Missing
<b>0</b>	0.000	0	0	1	0.017	14012	0
<b>1</b>	0.061	0	0	3	0.263	2012	0

Table 139: Número de procedimentos em até 60 dias

readmission_1year	Mean	Min	Median	Max	Standard Deviation	N	Missing
<b>0</b>	0.000	0	0	1	0.015	14012	0
<b>1</b>	0.069	0	0	3	0.278	2012	0

Table 140: Número de procedimentos em até 180 dias

readmission_1year	Mean	Min	Median	Max	Standard Deviation	N	Missing
<b>0</b>	0.000	0	0	1	0.008	14012	0
<b>1</b>	0.098	0	0	4	0.355	2012	0

Table 141: Número de procedimentos em até 1 ano

readmission_1year	Mean	Min	Median	Max	Standard Deviation	N	Missing
0	0.000	0	0	1	0.015	14012	0
1	0.085	0	0	3	0.339	2012	0

Table 142: Quantidade de classes medicamentosas de ação cardiovascular

readmission_1year	Mean	Min	Median	Max	Standard Deviation	N	Missing
0	3.021	1	3	10	1.719	14012	5894
1	3.934	1	4	10	1.984	2012	701

Table 143: Quantidade de medicamentos de ação cardiovascular

readmission_1year	Mean	Min	Median	Max	Standard Deviation	N	Missing
0	44.480	0	9.00	8738	164.087	14012	3093
1	106.943	0	23.25	5140	264.366	2012	426

Table 144: Quantidade de antimicrobianos (antibióticos e antifúngicos)

readmission_1year	Mean	Min	Median	Max	Standard Deviation	N	Missing
0	14.333	0	4	1812	63.253	14012	3093
1	24.161	0	4	1459	79.004	2012	426

## 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 1year and Sexo

readmission_1year	Sexo		Total
	0	1	
0	6715 (89%)	7297 (86%)	14012
1	849 (11%)	1163 (14%)	2012
Total	7564 (100%)	8460 (100%)	16024

Table 146: Contingency table between readmission 1year and Doença cardíaca

readmission_1year	Doença cardíaca				Total
	0	1	2	NA	
0	8212 (88%)	967 (83%)	3028 (86%)	1805 (89%)	14012
1	1072 (12%)	205 (17%)	503 (14%)	232 (11%)	2012
Total	9284 (100%)	1172 (100%)	3531 (100%)	2037 (100%)	16024

Table 147: Contingency table between readmission 1year and Classe funcional de IC (NYHA)

readmission_1year	Classe funcional de IC (NYHA)			Total
	1	2	NA	
0	5387 (89%)	1141 (82%)	7484 (87%)	14012
1	674 (11%)	247 (18%)	1091 (13%)	2012
Total	6061 (100%)	1388 (100%)	8575 (100%)	16024



Table 148: Contingency table between readmission 1year and Hipertensão arterial

readmission_1year	Hipertensão arterial		Total
	0	1	
0	10607 (87%)	3405 (88%)	14012
1	1533 (13%)	479 (12%)	2012
Total	12140 (100%)	3884 (100%)	16024

Table 149: Contingency table between readmission 1year and Infarto do miocárdio prévio / Doença arterial coronariana

readmission_1year	Infarto do miocárdio prévio / Doença arterial coronariana		Total
	0	1	
0	12787 (88%)	1225 (83%)	14012
1	1759 (12%)	253 (17%)	2012
Total	14546 (100%)	1478 (100%)	16024

Table 150: Contingency table between readmission 1year and Insuficiência cardíaca

readmission_1year	Insuficiência cardíaca		Total
	0	1	
0	9202 (90%)	4810 (83%)	14012
1	1004 (10%)	1008 (17%)	2012
Total	10206 (100%)	5818 (100%)	16024

Table 151: Contingency table between readmission 1year and Fibrilação / flutter atrial

readmission_1year	Fibrilação / flutter atrial		Total
	0	1	
0	11956 (88%)	2056 (85%)	14012
1	1652 (12%)	360 (15%)	2012
Total	13608 (100%)	2416 (100%)	16024

Table 152: Contingency table between readmission 1year and Parada cardíaca prévia/ Taquicardia ventricular instável

readmission_1year	Parada cardíaca prévia/ Taquicardia ventricular instável		Total
	0	1	
0	12392 (88%)	1620 (84%)	14012
1	1712 (12%)	300 (16%)	2012
Total	14104 (100%)	1920 (100%)	16024

Table 153: Contingency table between readmission 1year and Transplante cardíaco prévio

readmission_1year	Transplante cardíaco prévio		Total
	0	1	
0	14006 (87%)	6 (46%)	14012
1	2005 (13%)	7 (54%)	2012
Total	16011 (100%)	13 (100%)	16024

Table 154: Contingency table between readmission 1year and Valvopatias/ Prótese valvares

readmission_1year	Valvopatias/ Prótese valvares		Total
	0	1	
0	13118 (88%)	894 (83%)	14012
1	1830 (12%)	182 (17%)	2012
Total	14948 (100%)	1076 (100%)	16024

Table 155: Contingency table between readmission 1year and Endocardite prévia

readmission_1year	Endocardite prévia		Total
	0	1	
0	13899 (87%)	113 (82%)	14012
1	1987 (13%)	25 (18%)	2012
Total	15886 (100%)	138 (100%)	16024

Table 156: Contingency table between readmission 1year and Diabetes melittus

readmission_1year	Diabetes melittus		Total
	0	1	
0	12351 (88%)	1661 (85%)	14012
1	1728 (12%)	284 (15%)	2012
Total	14079 (100%)	1945 (100%)	16024

Table 157: Contingency table between readmission 1year and Insuficiência renal crônica

readmission_1year	Insuficiência renal crônica		Total
	0	1	
0	13471 (88%)	541 (83%)	14012
1	1903 (12%)	109 (17%)	2012
Total	15374 (100%)	650 (100%)	16024

Table 158: Contingency table between readmission 1year and Hemodiálise

readmission_1year	Hemodiálise		Total
	0	1	
0	13997 (87%)	15 (68%)	14012
1	2005 (13%)	7 (32%)	2012
Total	16002 (100%)	22 (100%)	16024

Table 159: Contingency table between readmission 1year and Acidente Vascular Cerebral/ Acidente isquêmico transitório prévios

readmission_1year	Acidente Vascular Cerebral/ Acidente isquêmico transitório prévios		Total
	0	1	
0	13578 (87%)	434 (86%)	14012
1	1940 (13%)	72 (14%)	2012
Total	15518 (100%)	506 (100%)	16024

Table 160: Contingency table between readmission 1year and Doença pulmonar obstrutiva crônica

readmission_1year	Doença pulmonar obstrutiva crônica		Total
	0	1	
0	13829 (87%)	183 (84%)	14012
1	1976 (13%)	36 (16%)	2012
Total	15805 (100%)	219 (100%)	16024

Table 161: Contingency table between readmission 1year and Neoplasia em tratamento ou tratada recentemente (12 meses)

readmission_1year	Neoplasia em tratamento ou tratada recentemente (12 meses)		Total
	0	1	
0	13915 (87%)	97 (84%)	14012
1	1994 (13%)	18 (16%)	2012
Total	15909 (100%)	115 (100%)	16024

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

readmission_1year	Tipo de Procedimento 1		Total
	1	2	
0	9512 (85%)	4500 (92%)	14012
1	1617 (15%)	395 (8%)	2012
Total	11129 (100%)	4895 (100%)	16024

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

readmission_1year	Tipo de Reoperação 1				Total
	1	2	3	NA	
0	3656 (93%)	816 (87%)	28 (82%)	9512 (85%)	14012
1	272 (7%)	117 (13%)	6 (18%)	1617 (15%)	2012
Total	3928 (100%)	933 (100%)	34 (100%)	11129 (100%)	16024

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

readmission_1year	Tipo de Procedimento 1 (merge: procedure type com reop type)				Total
	1	2	3	4	
0	9512 (85%)	3656 (93%)	816 (87%)	28 (82%)	14012
1	1617 (15%)	272 (7%)	117 (13%)	6 (18%)	2012
Total	11129 (100%)	3928 (100%)	933 (100%)	34 (100%)	16024

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

readmission_1year	Tipo de Dispositivo ao final do procedimento 1				Total
	1	2	3	4	
0	11195 (90%)	1424 (80%)	1056 (81%)	337 (73%)	14012
1	1280 (10%)	367 (20%)	242 (19%)	123 (27%)	2012
Total	12475 (100%)	1791 (100%)	1298 (100%)	460 (100%)	16024

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

readmission_1year	Tipo de Dispositivo ao final do procedimento 1		Total
	1	2	
0	12619 (88%)	1393 (79%)	14012
1	1647 (12%)	365 (21%)	2012
Total	14266 (100%)	1758 (100%)	16024

Table 167: Contingency table between readmission 1year and Óbito intraoperatório 1

readmission_1year	Óbito intraoperatório 1		Total
	0	1	
0	14005 (87%)	7 (100%)	14012
1	2012 (13%)	0 (0%)	2012
Total	16017 (100%)	7 (100%)	16024

Table 168: Contingency table between readmission 1year and Tipo de Reoperação 2

readmission_1year	Tipo de Reoperação 2				Total
	1	2	3	NA	
0	3054 (94%)	978 (66%)	45 (37%)	9935 (89%)	14012
1	206 (6%)	515 (34%)	76 (63%)	1215 (11%)	2012
Total	3260 (100%)	1493 (100%)	121 (100%)	11150 (100%)	16024

Table 169: Contingency table between readmission 1year and Tipo de Dispositivo ao final do procedimento 2

readmission_1year	Tipo de Dispositivo ao final do procedimento 2					Total
	1	2	3	4	NA	
0	3149 (87%)	493 (76%)	297 (77%)	140 (69%)	9933 (89%)	14012
1	489 (13%)	152 (24%)	91 (23%)	63 (31%)	1217 (11%)	2012
Total	3638 (100%)	645 (100%)	388 (100%)	203 (100%)	11150 (100%)	16024

Table 170: Contingency table between readmission 1year and Óbito intraoperatório 2

readmission_1year	Óbito intraoperatório 2		Total
	0	NA	
0	4083 (84%)	9929 (89%)	14012
1	798 (16%)	1214 (11%)	2012
Total	4881 (100%)	11143 (100%)	16024

Table 171: Contingency table between readmission 1year and Tipo de Reoperação 3

readmission_1year	Tipo de Reoperação 3				Total
	1	2	3	NA	
0	597 (82%)	441 (76%)	42 (68%)	12932 (88%)	14012
1	127 (18%)	139 (24%)	20 (32%)	1726 (12%)	2012
Total	724 (100%)	580 (100%)	62 (100%)	14658 (100%)	16024

Table 172: Contingency table between readmission 1year and Tipo de Dispositivo ao final do procedimento 3

readmission_1year	Tipo de Dispositivo ao final do procedimento 3					Total
	1	2	3	4	NA	
0	778 (80%)	191 (76%)	116 (72%)	70 (71%)	12857 (88%)	14012
1	190 (20%)	61 (24%)	44 (28%)	29 (29%)	1688 (12%)	2012
Total	968 (100%)	252 (100%)	160 (100%)	99 (100%)	14545 (100%)	16024

Table 173: Contingency table between readmission 1year and Óbito intraoperatório 3

readmission_1year	Óbito intraoperatório 3			Total
	0	1	NA	
0	1151 (78%)	4 (100%)	12857 (88%)	14012
1	325 (22%)	0 (0%)	1687 (12%)	2012
Total	1476 (100%)	4 (100%)	14544 (100%)	16024

Table 174: Contingency table between readmission 1year and Tipo de Reoperação 4

readmission_1year	Tipo de Reoperação 4				Total
	1	2	3	NA	
0	129 (67%)	176 (70%)	25 (76%)	13682 (88%)	14012
1	63 (33%)	75 (30%)	8 (24%)	1866 (12%)	2012
Total	192 (100%)	251 (100%)	33 (100%)	15548 (100%)	16024

Table 175: Contingency table between readmission 1year and Tipo de Dispositivo ao final do procedimento 4

readmission_1year	Tipo de Dispositivo ao final do procedimento 4					Total
	1	2	3	4	NA	
0	198 (69%)	82 (75%)	31 (69%)	28 (67%)	13673 (88%)	14012
1	90 (31%)	28 (25%)	14 (31%)	14 (33%)	1866 (12%)	2012
Total	288 (100%)	110 (100%)	45 (100%)	42 (100%)	15539 (100%)	16024

Table 176: Contingency table between readmission 1year and Óbito intraoperatório 4

readmission_1year	Óbito intraoperatório 4		Total
	0	NA	
0	339 (70%)	13673 (88%)	14012
1	146 (30%)	1866 (12%)	2012
Total	485 (100%)	15539 (100%)	16024

Table 177: Contingency table between readmission 1year and Tipo de Reoperação 5

readmission_1year	Tipo de Reoperação 5				Total
	1	2	3	NA	
0	48 (68%)	83 (78%)	9 (64%)	13872 (88%)	14012
1	23 (32%)	23 (22%)	5 (36%)	1961 (12%)	2012
Total	71 (100%)	106 (100%)	14 (100%)	15833 (100%)	16024

Table 178: Contingency table between readmission 1year and Tipo de Dispositivo ao final do procedimento 5

readmission_1year	Tipo de Dispositivo ao final do procedimento 5					Total
	1	2	3	4	NA	
0	72 (72%)	41 (73%)	16 (73%)	10 (77%)	13873 (88%)	14012
1	28 (28%)	15 (27%)	6 (27%)	3 (23%)	1960 (12%)	2012
Total	100 (100%)	56 (100%)	22 (100%)	13 (100%)	15833 (100%)	16024

Table 179: Contingency table between readmission 1year and Óbito intraoperatório 5

readmission_1year	Óbito intraoperatório 5		Total
	0	NA	
0	140 (73%)	13872 (88%)	14012
1	52 (27%)	1960 (12%)	2012
Total	192 (100%)	15832 (100%)	16024

Table 180: Contingency table between readmission 1year and Tipo de Reoperação 6

readmission_1year	Tipo de Reoperação 6				Total
	1	2	3	NA	
0	19 (73%)	34 (74%)	4 (67%)	13955 (88%)	14012
1	7 (27%)	12 (26%)	2 (33%)	1991 (12%)	2012
Total	26 (100%)	46 (100%)	6 (100%)	15946 (100%)	16024

Table 181: Contingency table between readmission 1year and Tipo de Dispositivo ao final do procedimento 6

readmission_1year	Tipo de Dispositivo ao final do procedimento 6					Total
	1	2	3	4	NA	
0	28 (70%)	18 (72%)	6 (86%)	7 (78%)	13953 (88%)	14012
1	12 (30%)	7 (28%)	1 (14%)	2 (22%)	1990 (12%)	2012
Total	40 (100%)	25 (100%)	7 (100%)	9 (100%)	15943 (100%)	16024

Table 182: Contingency table between readmission 1year and Óbito intraoperatório 6

readmission_1year	Óbito intraoperatório 6		Total
	0	NA	
0	59 (73%)	13953 (88%)	14012
1	22 (27%)	1990 (12%)	2012
Total	81 (100%)	15943 (100%)	16024

Table 183: Contingency table between readmission 1year and Tipo de Reoperação 7

readmission_1year	Tipo de Reoperação 7				Total
	1	2	3	NA	
0	8 (80%)	11 (61%)	2 (50%)	13991 (87%)	14012
1	2 (20%)	7 (39%)	2 (50%)	2001 (13%)	2012
Total	10 (100%)	18 (100%)	4 (100%)	15992 (100%)	16024

Table 184: Contingency table between readmission 1year and Tipo de Dispositivo ao final do procedimento 7

readmission_1year	Tipo de Dispositivo ao final do procedimento 7					Total
	1	2	3	4	NA	
0	10 (77%)	9 (69%)	1 (100%)	0 (0%)	13992 (87%)	14012
1	3 (23%)	4 (31%)	0 (0%)	4 (100%)	2001 (13%)	2012
Total	13 (100%)	13 (100%)	1 (100%)	4 (100%)	15993 (100%)	16024

Table 185: Contingency table between readmission 1year and Óbito intraoperatório 7

readmission_1year	Óbito intraoperatório 7		Total
	0	NA	
0	21 (66%)	13991 (87%)	14012
1	11 (34%)	2001 (13%)	2012
Total	32 (100%)	15992 (100%)	16024

Table 186: Contingency table between readmission 1year and Tipo de Reoperação 8

readmission_1year	Tipo de Reoperação 8			Total
	1	2	NA	
0	1 (33%)	8 (89%)	14003 (87%)	14012
1	2 (67%)	1 (11%)	2009 (13%)	2012
Total	3 (100%)	9 (100%)	16012 (100%)	16024

Table 187: Contingency table between readmission 1year and Tipo de Dispositivo ao final do procedimento 8

readmission_1year	Tipo de Dispositivo ao final do procedimento 8				Total
	1	2	4	NA	
0	6 (86%)	3 (75%)	0 (0%)	14003 (87%)	14012
1	1 (14%)	1 (25%)	1 (100%)	2009 (13%)	2012
Total	7 (100%)	4 (100%)	1 (100%)	16012 (100%)	16024



Table 188: Contingency table between readmission 1year and Óbito intraoperatório 8

readmission_1year	Óbito intraoperatório 8		Total
	0	NA	
0	9 (75%)	14003 (87%)	14012
1	3 (25%)	2009 (13%)	2012
Total	12 (100%)	16012 (100%)	16024

Table 189: Contingency table between readmission 1year and Tipo de Reoperação 9

readmission_1year	Tipo de Reoperação 9		Total
	2	NA	
0	4 (80%)	14008 (87%)	14012
1	1 (20%)	2011 (13%)	2012
Total	5 (100%)	16019 (100%)	16024

Table 190: Contingency table between readmission 1year and Tipo de Dispositivo ao final do procedimento 9

readmission_1year	Tipo de Dispositivo ao final do procedimento 9			Total
	1	2	NA	
0	2 (67%)	2 (100%)	14008 (87%)	14012
1	1 (33%)	0 (0%)	2011 (13%)	2012
Total	3 (100%)	2 (100%)	16019 (100%)	16024

Table 191: Contingency table between readmission 1year and Óbito intraoperatório 9

readmission_1year	Óbito intraoperatório 9		Total
	0	NA	
0	4 (80%)	14008 (87%)	14012
1	1 (20%)	2011 (13%)	2012
Total	5 (100%)	16019 (100%)	16024

Table 192: Contingency table between readmission 1year and Tipo de Reoperação 10

readmission_1year	Tipo de Reoperação 10		Total
	2	NA	
0	1 (100%)	14011 (87%)	14012
1	0 (0%)	2012 (13%)	2012
Total	1 (100%)	16023 (100%)	16024

Table 193: Contingency table between readmission 1year and Tipo de Dispositivo ao final do procedimento 10

readmission_1year	Tipo de Dispositivo ao final do procedimento 10		Total
	2	NA	
0	1 (100%)	14011 (87%)	14012
1	0 (0%)	2012 (13%)	2012
Total	1 (100%)	16023 (100%)	16024

Table 194: Contingency table between readmission 1year and Óbito intraoperatório 10

readmission_1year	Óbito intraoperatório 10		Total
	0	NA	
0	1 (100%)	14011 (87%)	14012
1	0 (0%)	2012 (13%)	2012
Total	1 (100%)	16023 (100%)	16024

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

readmission_1year	Mudança do tipo de DCEI: entre o Procedimento 1 e Procedimento 2			Total
	0	1	NA	
0	3858 (84%)	221 (79%)	9933 (89%)	14012
1	736 (16%)	59 (21%)	1217 (11%)	2012
Total	4594 (100%)	280 (100%)	11150 (100%)	16024

Table 196: Contingency table between readmission 1year and Mudança do tipo de DCEI: entre o Procedimento 2 e Procedimento 3

readmission_1year	Mudança do tipo de DCEI: entre o Procedimento 2 e Procedimento 3			Total
	0	1	NA	
0	1088 (79%)	67 (71%)	12857 (88%)	14012
1	297 (21%)	27 (29%)	1688 (12%)	2012
Total	1385 (100%)	94 (100%)	14545 (100%)	16024

Table 197: Contingency table between readmission 1year and Mudança do tipo de DCEI: entre o Procedimento 3 e Procedimento 4

readmission_1year	Mudança do tipo de DCEI: entre o Procedimento 3 e Procedimento 4			Total
	0	1	NA	
0	320 (70%)	19 (68%)	13673 (88%)	14012
1	137 (30%)	9 (32%)	1866 (12%)	2012
Total	457 (100%)	28 (100%)	15539 (100%)	16024

Table 198: Contingency table between readmission 1year and Mudança do tipo de DCEI: entre o Procedimento 4 e Procedimento 5

readmission_1year	Mudança do tipo de DCEI: entre o Procedimento 4 e Procedimento 5			Total
	0	1	NA	
0	133 (73%)	6 (67%)	13873 (88%)	14012
1	49 (27%)	3 (33%)	1960 (12%)	2012
Total	182 (100%)	9 (100%)	15833 (100%)	16024

Table 199: Contingency table between readmission 1year and Mudança do tipo de DCEI: entre o Procedimento 5 e Procedimento 6

readmission_1year	Mudança do tipo de DCEI: entre o Procedimento 5 e Procedimento 6			Total
	0	1	NA	
0	52 (70%)	7 (100%)	13953 (88%)	14012
1	22 (30%)	0 (0%)	1990 (12%)	2012
Total	74 (100%)	7 (100%)	15943 (100%)	16024

Table 200: Contingency table between readmission 1year and Mudança do tipo de DCEI: entre o Procedimento 6 e Procedimento 7

readmission_1year	Mudança do tipo de DCEI: entre o Procedimento 6 e Procedimento 7			Total
	0	1	NA	
0	19 (68%)	1 (33%)	13992 (87%)	14012
1	9 (32%)	2 (67%)	2001 (13%)	2012
Total	28 (100%)	3 (100%)	15993 (100%)	16024

Table 201: Contingency table between readmission 1year and Mudança do tipo de DCEI: entre o Procedimento 7 e Procedimento 8

readmission_1year	Mudança do tipo de DCEI: entre o Procedimento 7 e Procedimento 8			Total
	0	1	NA	
0	8 (73%)	1 (100%)	14003 (87%)	14012
1	3 (27%)	0 (0%)	2009 (13%)	2012
Total	11 (100%)	1 (100%)	16012 (100%)	16024

Table 202: Contingency table between readmission 1year and Mudança do tipo de DCEI: entre o Procedimento 8 e Procedimento 9

readmission_1year	Mudança do tipo de DCEI: entre o Procedimento 8 e Procedimento 9		Total
	0	NA	
0	4 (80%)	14008 (87%)	14012
1	1 (20%)	2011 (13%)	2012
Total	5 (100%)	16019 (100%)	16024

Table 203: Contingency table between readmission 1year and Mudança do tipo de DCEI: entre o Procedimento 9 e Procedimento 10

readmission_1year	Mudança do tipo de DCEI: entre o Procedimento 9 e Procedimento 10		Total
	0	NA	
0	1 (100%)	14011 (87%)	14012
1	0 (0%)	2012 (13%)	2012
Total	1 (100%)	16023 (100%)	16024

Table 204: Contingency table between readmission 1year and Diálise durante os episódios de hospitalização

readmission_1year	Diálise durante os episódios de hospitalização		Total
	0	1	
0	13970 (88%)	42 (69%)	14012
1	1993 (12%)	19 (31%)	2012
Total	15963 (100%)	61 (100%)	16024

Table 205: Contingency table between readmission 1year and UTI durante os episódios de hospitalização

readmission_1year	UTI durante os episódios de hospitalização		Total
	0	1	
0	11330 (90%)	2682 (79%)	14012
1	1290 (10%)	722 (21%)	2012
Total	12620 (100%)	3404 (100%)	16024

Table 206: Contingency table between readmission 1year and Admissão em até 180 dias antes da T0

readmission_1year	Admissão em até 180 dias antes da T0		Total
	0	1	
0	13204 (89%)	808 (72%)	14012
1	1705 (11%)	307 (28%)	2012
Total	14909 (100%)	1115 (100%)	16024

Table 207: Contingency table between readmission 1year and Readmissões pós-T0 com diálise

readmission_1year	Readmissões pós-T0 com diálise				Total
	0	1	2	3	
0	13999 (87%)	13 (68%)	0 (0%)	0 (0%)	14012
1	2003 (13%)	6 (32%)	2 (100%)	1 (100%)	2012
Total	16002 (100%)	19 (100%)	2 (100%)	1 (100%)	16024

Table 208: Contingency table between readmission 1year and Desfecho principal da admissão T0

readmission_1year	Desfecho principal da admissão T0		Total
	0	1	
0	13754 (87%)	258 (100%)	14012
1	2012 (13%)	0 (0%)	2012
Total	15766 (100%)	258 (100%)	16024

Table 209: Contingency table between readmission 1year and Readmissão cirúrgica em até 30 dias

readmission_1year	Readmissão cirúrgica em até 30 dias		Total
	0	1	
0	14012 (88%)	0 (0%)	14012
1	1875 (12%)	137 (100%)	2012
Total	15887 (100%)	137 (100%)	16024

Table 210: Contingency table between readmission 1year and Readmissão cirúrgica entre 31 a 60 dias

readmission_1year	Readmissão cirúrgica entre 31 a 60 dias		Total
	0	1	
0	14012 (88%)	0 (0%)	14012
1	1919 (12%)	93 (100%)	2012
Total	15931 (100%)	93 (100%)	16024

Table 211: Contingency table between readmission 1year and Readmissão cirúrgica entre 61 a 180 dias

readmission_1year	Readmissão cirúrgica entre 61 a 180 dias		Total
	0	1	
0	14012 (88%)	0 (0%)	14012
1	1863 (12%)	149 (100%)	2012
Total	15875 (100%)	149 (100%)	16024

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

readmission_1year	Readmissão cirúrgica em até 1 ano		Total
	0	1	
0	14012 (88%)	0 (0%)	14012
1	1880 (12%)	132 (100%)	2012
Total	15892 (100%)	132 (100%)	16024

Table 213: Contingency table between readmission 1year and Desfecho final do estudo

readmission_1year	Desfecho final do estudo			Total
	1	2	3	
0	2103 (75%)	7019 (91%)	4890 (89%)	14012
1	696 (25%)	709 (9%)	607 (11%)	2012
Total	2799 (100%)	7728 (100%)	5497 (100%)	16024

Table 214: Contingency table between readmission 1year and Ventilação mecânica / IOT

readmission_1year	Ventilação mecânica / IOT		Total
	1	NA	
0	2460 (82%)	11552 (89%)	14012
1	524 (18%)	1488 (11%)	2012
Total	2984 (100%)	13040 (100%)	16024