

# Tables

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## Imports

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

## Loading data

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

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

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

outcome_column <- params$outcome_column

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

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

## Numerical variables

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

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

i <- i + 1
}
```

Table 1: Idade no momento do primeiro procedimento

readmission_30d	Mean	Min	Median	Max	Standard Deviation	N	Missing
<b>0</b>	65.573	0.0	69.0	110.6	17.918	15426	0
<b>1</b>	64.439	0.2	68.4	97.5	19.224	607	0

Table 2: Número de comorbidades

readmission_30d	Mean	Min	Median	Max	Standard Deviation	N	Missing
<b>0</b>	1.252	0	1	8	1.352	15426	0
<b>1</b>	1.557	0	1	8	1.527	607	0

Table 3: Ano do procedimento 1

readmission_30d	Mean	Min	Median	Max	Standard Deviation	N	Missing
<b>0</b>	2010.602	1999	2010	2021	5.794	15426	0
<b>1</b>	2010.440	1999	2010	2021	5.350	607	0

Table 4: Idade no Procedimento 1

readmission_30d	Mean	Min	Median	Max	Standard Deviation	N	Missing
<b>0</b>	65.573	0.0	69.0	110.6	17.918	15426	0
<b>1</b>	64.439	0.2	68.4	97.5	19.224	607	0

Table 5: Ano do procedimento 2

readmission_30d	Mean	Min	Median	Max	Standard Deviation	N	Missing
<b>0</b>	2013.183	1999	2013	2022	4.623	15426	10782
<b>1</b>	2011.038	1999	2011	2022	5.524	607	371

Table 6: Idade no Procedimento 2

readmission_30d	Mean	Min	Median	Max	Standard Deviation	N	Missing
<b>0</b>	65.235	0.0	69.2	108.7	19.263	15426	10781
<b>1</b>	62.943	0.7	67.0	97.1	19.303	607	371

Table 7: Ano do procedimento 3

readmission_30d	Mean	Min	Median	Max	Standard Deviation	N	Missing
<b>0</b>	2014.485	1999	2015	2022	4.646	15426	14050
<b>1</b>	2012.067	2003	2012	2021	5.968	607	503

Table 8: Idade no Procedimento 3

readmission_30d	Mean	Min	Median	Max	Standard Deviation	N	Missing
<b>0</b>	62.071	0.4	66.0	101.1	20.825	15426	14050
<b>1</b>	61.559	0.8	65.7	97.6	19.944	607	503

Table 9: Ano do procedimento 4

readmission_30d	Mean	Min	Median	Max	Standard Deviation	N	Missing
<b>0</b>	2014.595	2002	2015	2022	4.709	15426	14984
<b>1</b>	2013.023	2003	2014	2022	5.583	607	564

Table 10: Idade no Procedimento 4

readmission_30d	Mean	Min	Median	Max	Standard Deviation	N	Missing
<b>0</b>	59.304	1.9	63.7	97.7	22.145	15426	14984
<b>1</b>	62.886	5.6	65.4	96.9	19.423	607	564

Table 11: Ano do procedimento 5

readmission_30d	Mean	Min	Median	Max	Standard Deviation	N	Missing
<b>0</b>	2014.464	2004	2014	2022	4.067	15426	15247
<b>1</b>	2011.000	2003	2012	2020	4.673	607	594

Table 12: Idade no Procedimento 5

readmission_30d	Mean	Min	Median	Max	Standard Deviation	N	Missing
<b>0</b>	57.425	3.2	62.0	99.7	22.205	15426	15247
<b>1</b>	63.523	27.7	70.9	83.5	19.469	607	594

Table 13: Ano do procedimento 6

readmission_30d	Mean	Min	Median	Max	Standard Deviation	N	Missing
<b>0</b>	2014.921	2004	2015	2021	4.378	15426	15350
<b>1</b>	2012.333	2003	2014	2020	5.989	607	601

Table 14: Idade no Procedimento 6

readmission_30d	Mean	Min	Median	Max	Standard Deviation	N	Missing
<b>0</b>	54.991	6.6	58.55	101.6	22.210	15426	15350
<b>1</b>	65.733	27.7	77.55	84.2	22.509	607	601

Table 15: Ano do procedimento 7

readmission_30d	Mean	Min	Median	Max	Standard Deviation	N	Missing
<b>0</b>	2015.677	2007	2017	2022	4.354	15426	15395
<b>1</b>	2015.000	2015	2015	2015	NA	607	606

Table 16: Idade no Procedimento 7

readmission_30d	Mean	Min	Median	Max	Standard Deviation	N	Missing
<b>0</b>	50.342	8.8	55.4	81.8	20.577	15426	15395
<b>1</b>	78.800	78.8	78.8	78.8	NA	607	606

Table 17: Ano do procedimento 8

readmission_30d	Mean	Min	Median	Max	Standard Deviation	N	Missing
<b>0</b>	1	1	1	1	0	15426	15414
<b>1</b>	NaN	NA	NA	NA	NA	607	607

Table 18: Idade no Procedimento 8

readmission_30d	Mean	Min	Median	Max	Standard Deviation	N	Missing
<b>0</b>	1	1	1	1	0	15426	15414
<b>1</b>	NaN	NA	NA	NA	NA	607	607

Table 19: Ano do procedimento 9

readmission_30d	Mean	Min	Median	Max	Standard Deviation	N	Missing
<b>0</b>	1	1	TRUE	1	0	15426	15421
<b>1</b>	NaN	NA	NA	NA	NA	607	607

Table 20: Idade no Procedimento 9

readmission_30d	Mean	Min	Median	Max	Standard Deviation	N	Missing
<b>0</b>	1	1	TRUE	1	0	15426	15421
<b>1</b>	NaN	NA	NA	NA	NA	607	607

Table 21: Ano do procedimento 10

readmission_30d	Mean	Min	Median	Max	Standard Deviation	N	Missing
<b>0</b>	1	1	TRUE	1	NA	15426	15425
<b>1</b>	NaN	NA	NA	NA	NA	607	607

Table 22: Idade no Procedimento 10

readmission_30d	Mean	Min	Median	Max	Standard Deviation	N	Missing
<b>0</b>	1	1	TRUE	1	NA	15426	15425
<b>1</b>	NaN	NA	NA	NA	NA	607	607

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

readmission_30d	Mean	Min	Median	Max	Standard Deviation	N	Missing
<b>0</b>	75.627	0	85.3	197.1	38.743	15426	10781
<b>1</b>	21.626	0	1.1	145.3	36.627	607	371

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

readmission_30d	Mean	Min	Median	Max	Standard Deviation	N	Missing
<b>0</b>	56.945	0.0	62.1	170.5	39.279	15426	14050
<b>1</b>	37.085	0.1	8.7	132.5	41.860	607	503

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

readmission_30d	Mean	Min	Median	Max	Standard Deviation	N	Missing
<b>0</b>	38.759	0.0	29.6	142.7	39.289	15426	14985
<b>1</b>	47.979	0.1	41.2	137.4	44.732	607	564

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

readmission_30d	Mean	Min	Median	Max	Standard Deviation	N	Missing
<b>0</b>	32.298	0.0	7.2	130.7	37.698	15426	15247
<b>1</b>	33.600	0.4	4.9	144.3	49.206	607	594

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

readmission_30d	Mean	Min	Median	Max	Standard Deviation	N	Missing
<b>0</b>	28.316	0.0	6.00	110.3	34.962	15426	15350
<b>1</b>	18.350	0.1	4.45	82.4	32.210	607	601

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

readmission_30d	Mean	Min	Median	Max	Standard Deviation	N	Missing
<b>0</b>	32.5	0.0	4.0	142.3	42.944	15426	15395
<b>1</b>	0.2	0.2	0.2	0.2	NA	607	606

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

readmission_30d	Mean	Min	Median	Max	Standard Deviation	N	Missing
<b>0</b>	0.667	0	1	1	0.492	15426	15414
<b>1</b>	NaN	NA	NA	NA	NA	607	607

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

readmission_30d	Mean	Min	Median	Max	Standard Deviation	N	Missing
<b>0</b>	1	1	TRUE	1	0	15426	15421
<b>1</b>	NaN	NA	NA	NA	NA	607	607

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

readmission_30d	Mean	Min	Median	Max	Standard Deviation	N	Missing
<b>0</b>	1	1	TRUE	1	NA	15426	15425
<b>1</b>	NaN	NA	NA	NA	NA	607	607

Table 32: Número de Mudanças do tipo de DCEI

readmission_30d	Mean	Min	Median	Max	Standard Deviation	N	Missing
<b>0</b>	0.087	0	0	3	0.296	15426	10784
<b>1</b>	0.085	0	0	2	0.295	607	372

Table 33: Número de atendimentos

readmission_30d	Mean	Min	Median	Max	Standard Deviation	N	Missing
<b>0</b>	2.288	1	2	51	2.109	15426	0
<b>1</b>	4.633	2	3	24	3.521	607	0

Table 34: Número da Admissão T0 (admissão índice)

readmission_30d	Mean	Min	Median	Max	Standard Deviation	N	Missing
<b>0</b>	1.417	1	1	32	1.053	15426	0
<b>1</b>	2.112	1	1	17	2.310	607	0

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

readmission_30d	Mean	Min	Median	Max	Standard Deviation	N	Missing
<b>0</b>	0.789	0	0	50	1.612	15426	0
<b>1</b>	2.488	0	2	22	2.495	607	0

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

readmission_30d	Mean	Min	Median	Max	Standard Deviation	N	Missing
<b>0</b>	0.525	-1	0	38	1.182	15426	0
<b>1</b>	1.147	0	0	16	2.313	607	0

Table 37: Ano da admissão T0

readmission_30d	Mean	Min	Median	Max	Standard Deviation	N	Missing
<b>0</b>	2010.595	1999	2010	2021	5.795	15426	18
<b>1</b>	2010.408	1999	2010	2021	5.351	607	2

Table 38: Readmissão em até 30 dias

readmission_30d	Mean	Min	Median	Max	Standard Deviation	N	Missing
<b>0</b>	0	0	0	0	0	15426	0
<b>1</b>	1	1	1	1	0	607	0

Table 39: Readmissão entre 31 a 60 dias

readmission_30d	Mean	Min	Median	Max	Standard Deviation	N	Missing
<b>0</b>	0.02	0	0	1	0.139	15426	0
<b>1</b>	1.00	1	1	1	0.000	607	0

Table 40: Readmissão entre 61 a 180 dias

readmission_30d	Mean	Min	Median	Max	Standard Deviation	N	Missing
<b>0</b>	0.058	0	0	1	0.233	15426	0
<b>1</b>	1.000	1	1	1	0.000	607	0

Table 41: Readmissão em até 1 ano

readmission_30d	Mean	Min	Median	Max	Standard Deviation	N	Missing
<b>0</b>	0.092	0	0	1	0.289	15426	0
<b>1</b>	1.000	1	1	1	0.000	607	0

Table 42: Tempo de seguimento total (anos)

readmission_30d	Mean	Min	Median	Max	Standard Deviation	N	Missing
<b>0</b>	5.846	0	4.4	22.6	5.258	15426	0
<b>1</b>	4.245	0	2.6	22.0	4.743	607	0

Table 43: Óbito hospitalar (intraoperatório ou admissao T0)

readmission_30d	Mean	Min	Median	Max	Standard Deviation	N	Missing
<b>0</b>	0.017	0	0	1	0.129	15426	0
<b>1</b>	0.000	0	0	0	0.000	607	0

Table 44: Óbito durante algum episódio de readmissão hospitalar

readmission_30d	Mean	Min	Median	Max	Standard Deviation	N	Missing
<b>0</b>	0.073	0	0	1	0.259	15426	0
<b>1</b>	0.306	0	0	1	0.461	607	0

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

readmission_30d	Mean	Min	Median	Max	Standard Deviation	N	Missing
<b>0</b>	0.002	0	0	1	0.044	15426	262
<b>1</b>	0.069	0	0	1	0.254	607	0

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

readmission_30d	Mean	Min	Median	Max	Standard Deviation	N	Missing
<b>0</b>	0.012	0	0	1	0.111	15426	291
<b>1</b>	0.124	0	0	1	0.330	607	42

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

readmission_30d	Mean	Min	Median	Max	Standard Deviation	N	Missing
<b>0</b>	0.011	0	0	1	0.105	15426	480
<b>1</b>	0.040	0	0	1	0.197	607	112

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

readmission_30d	Mean	Min	Median	Max	Standard Deviation	N	Missing
<b>0</b>	0.015	0	0	1	0.121	15426	647
<b>1</b>	0.040	0	0	1	0.196	607	132



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

readmission_30d	Mean	Min	Median	Max	Standard Deviation	N	Missing
<b>0</b>	0.01	0	0	1	0.101	15426	865
<b>1</b>	0.02	0	0	1	0.139	607	151

Table 50: Óbito (status final)

readmission_30d	Mean	Min	Median	Max	Standard Deviation	N	Missing
<b>0</b>	0.151	0	0	1	0.358	15426	0
<b>1</b>	0.356	0	0	1	0.479	607	0

Table 51: Tempo de sobrevida (anos)

readmission_30d	Mean	Min	Median	Max	Standard Deviation	N	Missing
<b>0</b>	3.779	0	2.30	20.1	4.131	15426	13603
<b>1</b>	1.687	0	0.35	17.3	2.697	607	407

Table 52: Diárias no serviço de Emergência na admissão T0

readmission_30d	Mean	Min	Median	Max	Standard Deviation	N	Missing
<b>0</b>	0.195	0	0	27	1.058	15426	0
<b>1</b>	0.394	0	0	28	1.776	607	0

Table 53: Anticoagulantes orais

readmission_30d	Mean	Min	Median	Max	Standard Deviation	N	Missing
<b>0</b>	0.225	0	0	98	2.148	15426	0
<b>1</b>	0.587	0	0	32	2.658	607	0

Table 54: Antiarrítmicos

readmission_30d	Mean	Min	Median	Max	Standard Deviation	N	Missing
<b>0</b>	3.116	0	0	575	17.306	15426	0
<b>1</b>	9.524	0	0	844	43.059	607	0

Table 55: Antihipertensivo

readmission_30d	Mean	Min	Median	Max	Standard Deviation	N	Missing
<b>0</b>	0.376	0	0	349	4.774	15426	0
<b>1</b>	0.939	0	0	160	8.218	607	0

Table 56: Betabloqueador

readmission_30d	Mean	Min	Median	Max	Standard Deviation	N	Missing
<b>0</b>	0.846	0	0	388	7.139	15426	0
<b>1</b>	1.742	0	0	182	9.451	607	0

Table 57: IECA/BRA

readmission_30d	Mean	Min	Median	Max	Standard Deviation	N	Missing
<b>0</b>	7.003	0	0	773	20.146	15426	0
<b>1</b>	11.027	0	0	208	25.077	607	0

Table 58: DVA

readmission_30d	Mean	Min	Median	Max	Standard Deviation	N	Missing
<b>0</b>	5.788	0	0	1917	41.580	15426	0
<b>1</b>	14.173	0	0	765	61.578	607	0

Table 59: Digoxina

readmission_30d	Mean	Min	Median	Max	Standard Deviation	N	Missing
<b>0</b>	0.183	0	0	65	1.543	15426	0
<b>1</b>	0.391	0	0	28	2.305	607	0

Table 60: Estatinas

readmission_30d	Mean	Min	Median	Max	Standard Deviation	N	Missing
<b>0</b>	4.030	0	0	421	14.928	15426	0
<b>1</b>	7.633	0	0	413	24.242	607	0

Table 61: Diuretico

readmission_30d	Mean	Min	Median	Max	Standard Deviation	N	Missing
<b>0</b>	8.824	0	0	2966	60.295	15426	0
<b>1</b>	23.517	0	0	1208	103.366	607	0

Table 62: Vasodilator

readmission_30d	Mean	Min	Median	Max	Standard Deviation	N	Missing
<b>0</b>	7.577	0	0	3820.5	55.468	15426	0
<b>1</b>	23.792	0	0	1278.0	94.654	607	0

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

readmission_30d	Mean	Min	Median	Max	Standard Deviation	N	Missing
<b>0</b>	3.571	0	0	453.0	15.286	15426	0
<b>1</b>	6.848	0	0	282.5	22.173	607	0

Table 64: Antagonista da Aldosterona (espironolactona)

readmission_30d	Mean	Min	Median	Max	Standard Deviation	N	Missing
<b>0</b>	1.616	0	0	255	7.226	15426	0
<b>1</b>	4.202	0	0	118	13.290	607	0

Table 65: Bloqueador do canal de calcio

readmission_30d	Mean	Min	Median	Max	Standard Deviation	N	Missing
<b>0</b>	0.467	0	0	509	8.595	15426	0
<b>1</b>	3.331	0	0	376	23.967	607	0

Table 66: Trombolitico

readmission_30d	Mean	Min	Median	Max	Standard Deviation	N	Missing
<b>0</b>	0.001	0	0	3	0.043	15426	0
<b>1</b>	0.000	0	0	0	0.000	607	0

Table 67: Antiplaquetario VO

readmission_30d	Mean	Min	Median	Max	Standard Deviation	N	Missing
<b>0</b>	0.258	0	0	141	3.131	15426	0
<b>1</b>	0.397	0	0	57	3.727	607	0

Table 68: Antiplaquetario EV

readmission_30d	Mean	Min	Median	Max	Standard Deviation	N	Missing
<b>0</b>	0.008	0	0	8	0.157	15426	0
<b>1</b>	0.018	0	0	3	0.194	607	0

Table 69: Insulina

readmission_30d	Mean	Min	Median	Max	Standard Deviation	N	Missing
<b>0</b>	0.079	0	0	16	0.446	15426	0
<b>1</b>	0.115	0	0	5	0.456	607	0

Table 70: Hipoglicemiante

readmission_30d	Mean	Min	Median	Max	Standard Deviation	N	Missing
<b>0</b>	0.278	0	0	90	2.480	15426	0
<b>1</b>	0.399	0	0	80	3.928	607	0

Table 71: Hormonio tireoidiano

readmission_30d	Mean	Min	Median	Max	Standard Deviation	N	Missing
<b>0</b>	0.177	0	0	281.5	3.235	15426	0
<b>1</b>	0.471	0	0	126.0	6.087	607	0

Table 72: Broncodilator

readmission_30d	Mean	Min	Median	Max	Standard Deviation	N	Missing
<b>0</b>	0.104	0	0	80	1.571	15426	0
<b>1</b>	0.145	0	0	34	1.480	607	0

Table 73: Anticonvulsivante

readmission_30d	Mean	Min	Median	Max	Standard Deviation	N	Missing
<b>0</b>	0.742	0	0	482	9.773	15426	0
<b>1</b>	3.640	0	0	390	27.511	607	0

Table 74: Psicofármacos (Ansiolítico/ antidepresivo/ antipsicótico)

readmission_30d	Mean	Min	Median	Max	Standard Deviation	N	Missing
<b>0</b>	3.023	0	0	573	12.621	15426	0
<b>1</b>	8.051	0	0	251	24.267	607	0

Table 75: Antibióticos

readmission_30d	Mean	Min	Median	Max	Standard Deviation	N	Missing
<b>0</b>	11.590	0	4	1812	56.686	15426	0
<b>1</b>	20.356	0	4	751	60.255	607	0

Table 76: Antifúngicos

readmission_30d	Mean	Min	Median	Max	Standard Deviation	N	Missing
<b>0</b>	0.337	0	0	122	3.768	15426	0
<b>1</b>	0.889	0	0	99	6.451	607	0

Table 77: Antiviral

readmission_30d	Mean	Min	Median	Max	Standard Deviation	N	Missing
<b>0</b>	0.098	0	0	131	2.553	15426	0
<b>1</b>	0.420	0	0	72	4.597	607	0

Table 78: Antiretroviral

readmission_30d	Mean	Min	Median	Max	Standard Deviation	N	Missing
<b>0</b>	0.007	0	0	32	0.398	15426	0
<b>1</b>	0.007	0	0	4	0.162	607	0

Table 79: Quantidade de classes medicamentosas utilizadas

readmission_30d	Mean	Min	Median	Max	Standard Deviation	N	Missing
<b>0</b>	3.336	0	3	17	3.126	15426	0
<b>1</b>	4.555	0	5	15	3.816	607	0

Table 80: Ventilação não invasiva

readmission_30d	Mean	Min	Median	Max	Standard Deviation	N	Missing
<b>0</b>	0.041	0	0	114	1.437	15426	0
<b>1</b>	0.000	0	0	0	0.000	607	0

Table 81: Instalação de CEC

readmission_30d	Mean	Min	Median	Max	Standard Deviation	N	Missing
<b>0</b>	0.011	0	0	2	0.104	15426	0
<b>1</b>	0.025	0	0	1	0.155	607	0

Table 82: Cirurgia Cardiovascular

readmission_30d	Mean	Min	Median	Max	Standard Deviation	N	Missing
<b>0</b>	0.049	0	0	9	0.351	15426	0
<b>1</b>	0.059	0	0	5	0.406	607	0

Table 83: Transplante cardíaco

readmission_30d	Mean	Min	Median	Max	Standard Deviation	N	Missing
<b>0</b>	0.002	0	0	1	0.039	15426	0
<b>1</b>	0.010	0	0	1	0.099	607	0

Table 84: Cirurgia Toracica

readmission_30d	Mean	Min	Median	Max	Standard Deviation	N	Missing
<b>0</b>	0.003	0	0	9	0.097	15426	0
<b>1</b>	0.005	0	0	2	0.091	607	0

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

readmission_30d	Mean	Min	Median	Max	Standard Deviation	N	Missing
<b>0</b>	0.095	0	0	22	0.531	15426	0
<b>1</b>	0.173	0	0	6	0.688	607	0

Table 86: Traqueostomia

readmission_30d	Mean	Min	Median	Max	Standard Deviation	N	Missing
<b>0</b>	0.002	0	0	8	0.083	15426	0
<b>1</b>	0.002	0	0	1	0.041	607	0

Table 87: Intervenção coronária percutânea

readmission_30d	Mean	Min	Median	Max	Standard Deviation	N	Missing
<b>0</b>	0.009	0	0	4	0.117	15426	0
<b>1</b>	0.028	0	0	4	0.265	607	0

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

readmission_30d	Mean	Min	Median	Max	Standard Deviation	N	Missing
<b>0</b>	0.006	0	0	3	0.105	15426	0
<b>1</b>	0.010	0	0	2	0.114	607	0

Table 89: Stent

readmission_30d	Mean	Min	Median	Max	Standard Deviation	N	Missing
<b>0</b>	0	0	0	1	0.008	15426	0
<b>1</b>	0	0	0	0	0.000	607	0

Table 90: Angioplastia

readmission_30d	Mean	Min	Median	Max	Standard Deviation	N	Missing
<b>0</b>	0.001	0	0	2	0.038	15426	0
<b>1</b>	0.003	0	0	1	0.057	607	0

Table 91: Cateterismo

readmission_30d	Mean	Min	Median	Max	Standard Deviation	N	Missing
<b>0</b>	0.102	0	0	7	0.371	15426	0
<b>1</b>	0.196	0	0	3	0.510	607	0

Table 92: Eletrofisiologia

readmission_30d	Mean	Min	Median	Max	Standard Deviation	N	Missing
<b>0</b>	0.067	0	0	11	0.432	15426	0
<b>1</b>	0.124	0	0	6	0.571	607	0

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

readmission_30d	Mean	Min	Median	Max	Standard Deviation	N	Missing
<b>0</b>	0.081	0	0	535	4.712	15426	0
<b>1</b>	0.954	0	0	177	11.083	607	0

Table 94: Cateter venoso central

readmission_30d	Mean	Min	Median	Max	Standard Deviation	N	Missing
<b>0</b>	0.033	0	0	13	0.261	15426	0
<b>1</b>	0.077	0	0	4	0.343	607	0

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

readmission_30d	Mean	Min	Median	Max	Standard Deviation	N	Missing
<b>0</b>	0.006	0	0	5	0.111	15426	0
<b>1</b>	0.002	0	0	1	0.041	607	0

Table 96: Quantidade de procedimentos invasivos

readmission_30d	Mean	Min	Median	Max	Standard Deviation	N	Missing
<b>0</b>	0.466	0	0	554	5.074	15426	0
<b>1</b>	1.667	0	0	197	11.981	607	0

Table 97: Cardioversão/ Desfibrilação (sessão)

readmission_30d	Mean	Min	Median	Max	Standard Deviation	N	Missing
<b>0</b>	0.005	0	0	5	0.109	15426	0
<b>1</b>	0.016	0	0	3	0.181	607	0

Table 98: Transfusão de hemoderivados

readmission_30d	Mean	Min	Median	Max	Standard Deviation	N	Missing
<b>0</b>	0.043	0	0	61	0.903	15426	0
<b>1</b>	0.068	0	0	13	0.718	607	0

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

readmission_30d	Mean	Min	Median	Max	Standard Deviation	N	Missing
<b>0</b>	0.342	0	0	199	3.155	15426	0
<b>1</b>	0.652	0	0	67	4.480	607	0

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

readmission_30d	Mean	Min	Median	Max	Standard Deviation	N	Missing
<b>0</b>	2.808	0	0	420	13.800	15426	0
<b>1</b>	6.189	0	0	258	21.326	607	0

Table 101: ECG

readmission_30d	Mean	Min	Median	Max	Standard Deviation	N	Missing
<b>0</b>	3.360	0	2	141	6.049	15426	0
<b>1</b>	5.835	0	3	64	8.611	607	0

Table 102: Holter

readmission_30d	Mean	Min	Median	Max	Standard Deviation	N	Missing
<b>0</b>	0.087	0	0	5	0.326	15426	0
<b>1</b>	0.145	0	0	2	0.396	607	0

Table 103: Teste de esforço

readmission_30d	Mean	Min	Median	Max	Standard Deviation	N	Missing
<b>0</b>	0.008	0	0	3	0.095	15426	0
<b>1</b>	0.015	0	0	2	0.134	607	0

Table 104: Espirometria / Ergoespirometria

readmission_30d	Mean	Min	Median	Max	Standard Deviation	N	Missing
<b>0</b>	0.004	0	0	2	0.063	15426	0
<b>1</b>	0.003	0	0	1	0.057	607	0



Table 105: Tilt Test

readmission_30d	Mean	Min	Median	Max	Standard Deviation	N	Missing
<b>0</b>	0.002	0	0	2	0.045	15426	0
<b>1</b>	0.005	0	0	1	0.070	607	0

Table 106: Polissonografia

readmission_30d	Mean	Min	Median	Max	Standard Deviation	N	Missing
<b>0</b>	0.001	0	0	2	0.042	15426	0
<b>1</b>	0.000	0	0	0	0.000	607	0

Table 107: Quantidade de exames por métodos gráficos

readmission_30d	Mean	Min	Median	Max	Standard Deviation	N	Missing
<b>0</b>	3.462	0	2	143	6.172	15426	0
<b>1</b>	6.003	0	3	66	8.771	607	0

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

readmission_30d	Mean	Min	Median	Max	Standard Deviation	N	Missing
<b>0</b>	55.427	0	7	3608	183.712	15426	0
<b>1</b>	120.325	0	18	2349	284.580	607	0

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

readmission_30d	Mean	Min	Median	Max	Standard Deviation	N	Missing
<b>0</b>	0.298	0	0	48	1.424	15426	0
<b>1</b>	0.647	0	0	19	2.016	607	0

Table 110: Quantidade de exames de análises clínicas

readmission_30d	Mean	Min	Median	Max	Standard Deviation	N	Missing
<b>0</b>	55.725	0	7	3645	184.835	15426	0
<b>1</b>	120.972	0	18	2368	286.291	607	0

Table 111: Citologias

readmission_30d	Mean	Min	Median	Max	Standard Deviation	N	Missing
<b>0</b>	0.007	0	0	8	0.133	15426	0
<b>1</b>	0.023	0	0	4	0.236	607	0

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

readmission_30d	Mean	Min	Median	Max	Standard Deviation	N	Missing
<b>0</b>	0.011	0	0	8	0.200	15426	0
<b>1</b>	0.105	0	0	10	0.791	607	0

Table 113: Quantidade de exames histopatológicos

readmission_30d	Mean	Min	Median	Max	Standard Deviation	N	Missing
<b>0</b>	0.018	0	0	8	0.242	15426	0
<b>1</b>	0.129	0	0	10	0.873	607	0

Table 114: Angio RM

readmission_30d	Mean	Min	Median	Max	Standard Deviation	N	Missing
<b>0</b>	0.003	0	0	4	0.075	15426	0
<b>1</b>	0.010	0	0	2	0.114	607	0

Table 115: Angio TC

readmission_30d	Mean	Min	Median	Max	Standard Deviation	N	Missing
<b>0</b>	0.030	0	0	9	0.231	15426	0
<b>1</b>	0.043	0	0	2	0.226	607	0

Table 116: Angiografia

readmission_30d	Mean	Min	Median	Max	Standard Deviation	N	Missing
<b>0</b>	0.002	0	0	3	0.046	15426	0
<b>1</b>	0.003	0	0	1	0.057	607	0

Table 117: Aortografia

readmission_30d	Mean	Min	Median	Max	Standard Deviation	N	Missing
<b>0</b>	0.002	0	0	2	0.048	15426	0
<b>1</b>	0.002	0	0	1	0.041	607	0

Table 118: Arteriografia

readmission_30d	Mean	Min	Median	Max	Standard Deviation	N	Missing
<b>0</b>	0.000	0	0	1	0.021	15426	0
<b>1</b>	0.003	0	0	2	0.081	607	0

Table 119: Cavografia

readmission_30d	Mean	Min	Median	Max	Standard Deviation	N	Missing
<b>0</b>	0.006	0	0	1	0.078	15426	0
<b>1</b>	0.008	0	0	1	0.090	607	0

Table 120: Cintilografia

readmission_30d	Mean	Min	Median	Max	Standard Deviation	N	Missing
<b>0</b>	0.053	0	0	5	0.318	15426	0
<b>1</b>	0.122	0	0	4	0.475	607	0

Table 121: Ecocardiograma

readmission_30d	Mean	Min	Median	Max	Standard Deviation	N	Missing
<b>0</b>	0.465	0	0	24	1.178	15426	0
<b>1</b>	0.951	0	0	24	2.212	607	0

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

readmission_30d	Mean	Min	Median	Max	Standard Deviation	N	Missing
<b>0</b>	0.015	0	0	6	0.169	15426	0
<b>1</b>	0.040	0	0	2	0.240	607	0

Table 123: Flebografia

readmission_30d	Mean	Min	Median	Max	Standard Deviation	N	Missing
<b>0</b>	0.029	0	0	5	0.258	15426	0
<b>1</b>	0.059	0	0	5	0.406	607	0

Table 124: PET-CT

readmission_30d	Mean	Min	Median	Max	Standard Deviation	N	Missing
<b>0</b>	0.004	0	0	3	0.071	15426	0
<b>1</b>	0.012	0	0	2	0.121	607	0

Table 125: Ultrassom

readmission_30d	Mean	Min	Median	Max	Standard Deviation	N	Missing
<b>0</b>	0.158	0	0	28	0.816	15426	0
<b>1</b>	0.404	0	0	12	1.345	607	0

Table 126: Tomografia

readmission_30d	Mean	Min	Median	Max	Standard Deviation	N	Missing
<b>0</b>	0.144	0	0	15	0.659	15426	0
<b>1</b>	0.247	0	0	10	0.811	607	0

Table 127: Radiografias

readmission_30d	Mean	Min	Median	Max	Standard Deviation	N	Missing
<b>0</b>	2.731	0	1	261	8.046	15426	0
<b>1</b>	5.140	0	2	164	12.009	607	0

Table 128: Ressonancia magnetica

readmission_30d	Mean	Min	Median	Max	Standard Deviation	N	Missing
<b>0</b>	0.058	0	0	6	0.278	15426	0
<b>1</b>	0.114	0	0	2	0.357	607	0

Table 129: Quantidade de exames diagnóstico por imagem

readmission_30d	Mean	Min	Median	Max	Standard Deviation	N	Missing
<b>0</b>	3.701	0	1	281	9.901	15426	0
<b>1</b>	7.157	0	3	189	14.899	607	0

Table 130: Dieta enteral (frasco)

readmission_30d	Mean	Min	Median	Max	Standard Deviation	N	Missing
<b>0</b>	0.053	0	0	195	2.428	15426	0
<b>1</b>	0.036	0	0	20	0.814	607	0

Table 131: Dieta parenteral (frasco)

readmission_30d	Mean	Min	Median	Max	Standard Deviation	N	Missing
<b>0</b>	0.002	0	0	14	0.129	15426	0
<b>1</b>	0.000	0	0	0	0.000	607	0

Table 132: Bomba de infusão contínua (horas)

readmission_30d	Mean	Min	Median	Max	Standard Deviation	N	Missing
<b>0</b>	0.882	0	0	1527	21.805	15426	0
<b>1</b>	1.438	0	0	358	16.324	607	0

Table 133: Marca-passo temporário (por hora)

readmission_30d	Mean	Min	Median	Max	Standard Deviation	N	Missing
0	0.134	0	0	180	2.895	15426	0
1	0.208	0	0	66	3.174	607	0

## Categorical variables

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

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

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

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

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

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

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

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

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

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

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

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

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

```

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

if (column %in% transpose_columns){

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

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

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

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

} else {

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

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

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

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

}

print(t)
i <- i + 1

```

Table 134: Contingency table between readmission 30d and Sexo

readmission_30d	Sexo		Total
	0	1	
0	7272 (96%)	8154 (96%)	15426
1	294 (4%)	313 (4%)	607
Total	7566 (100%)	8467 (100%)	16033

Table 135: Contingency table between readmission 30d and Doença cardíaca

readmission_30d	Doença cardíaca				Total
	0	1	2	NA	
0	8968 (97%)	1112 (95%)	3386 (96%)	1960 (96%)	15426
1	318 (3%)	61 (5%)	149 (4%)	79 (4%)	607
Total	9286 (100%)	1173 (100%)	3535 (100%)	2039 (100%)	16033

Table 136: Contingency table between readmission 30d and Hipertensão arterial

readmission_30d	Hipertensão arterial		Total
	0	1	
0	11693 (96%)	3733 (96%)	15426
1	451 (4%)	156 (4%)	607
Total	12144 (100%)	3889 (100%)	16033

Table 137: Contingency table between readmission 30d and Infarto do miocárdio prévio / Doença arterial coronariana

readmission_30d	Infarto do miocárdio prévio / Doença arterial coronariana		Total
	0	1	
0	14020 (96%)	1406 (95%)	15426
1	532 (4%)	75 (5%)	607
Total	14552 (100%)	1481 (100%)	16033

Table 138: Contingency table between readmission 30d and Insuficiência cardíaca

readmission_30d	Insuficiência cardíaca		Total
	0	1	
0	9895 (97%)	5531 (95%)	15426
1	312 (3%)	295 (5%)	607
Total	10207 (100%)	5826 (100%)	16033

Table 139: Contingency table between readmission 30d and Fibrilação / flutter atrial

readmission_30d	Fibrilação / flutter atrial		Total
	0	1	
0	13113 (96%)	2313 (96%)	15426
1	502 (4%)	105 (4%)	607
Total	13615 (100%)	2418 (100%)	16033

Table 140: Contingency table between readmission 30d and Parada cardíaca prévia/ Taquicardia ventricular instável

readmission_30d	Parada cardíaca prévia/ Taquicardia ventricular instável		Total
	0	1	
0	13587 (96%)	1839 (96%)	15426
1	523 (4%)	84 (4%)	607
Total	14110 (100%)	1923 (100%)	16033

Table 141: Contingency table between readmission 30d and Transplante cardíaco prévio

readmission_30d	Transplante cardíaco prévio		Total
	0	1	
0	15390 (96%)	36 (84%)	15426
1	600 (4%)	7 (16%)	607
Total	15990 (100%)	43 (100%)	16033

Table 142: Contingency table between readmission 30d and Valvopatias/ Prótese valvares

readmission_30d	Valvopatias/ Prótese valvares		Total
	0	1	
0	14400 (96%)	1026 (95%)	15426
1	556 (4%)	51 (5%)	607
Total	14956 (100%)	1077 (100%)	16033

Table 143: Contingency table between readmission 30d and Endocardite prévia

readmission_30d	Endocardite prévia		Total
	0	1	
0	15298 (96%)	128 (93%)	15426
1	597 (4%)	10 (7%)	607
Total	15895 (100%)	138 (100%)	16033



Table 144: Contingency table between readmission 30d and Diabetes mellitus

readmission_30d	Diabetes mellitus		Total
	0	1	
0	13563 (96%)	1863 (96%)	15426
1	523 (4%)	84 (4%)	607
Total	14086 (100%)	1947 (100%)	16033

Table 145: Contingency table between readmission 30d and Insuficiência renal crônica

readmission_30d	Insuficiência renal crônica		Total
	0	1	
0	14805 (96%)	621 (95%)	15426
1	574 (4%)	33 (5%)	607
Total	15379 (100%)	654 (100%)	16033

Table 146: Contingency table between readmission 30d and Hemodiálise

readmission_30d	Hemodiálise		Total
	0	1	
0	15407 (96%)	19 (86%)	15426
1	604 (4%)	3 (14%)	607
Total	16011 (100%)	22 (100%)	16033

Table 147: Contingency table between readmission 30d and Acidente Vascular Cerebral/ Acidente isquêmico transitório prévios

readmission_30d	Acidente Vascular Cerebral/ Acidente isquêmico transitório prévios		Total
	0	1	
0	14945 (96%)	481 (95%)	15426
1	580 (4%)	27 (5%)	607
Total	15525 (100%)	508 (100%)	16033

Table 148: Contingency table between readmission 30d and Doença pulmonar obstrutiva crônica

readmission_30d	Doença pulmonar obstrutiva crônica		Total
	0	1	
0	15215 (96%)	211 (96%)	15426
1	599 (4%)	8 (4%)	607
Total	15814 (100%)	219 (100%)	16033

Table 149: Contingency table between readmission 30d and Neoplasia em tratamento ou tratada recentemente (12 meses)

readmission_30d	Neoplasia em tratamento ou tratada recentemente (12 meses)		Total
	0	1	
0	15317 (96%)	109 (94%)	15426
1	600 (4%)	7 (6%)	607
Total	15917 (100%)	116 (100%)	16033

Table 150: Contingency table between readmission 30d and Tipo de Procedimento 1

readmission_30d	Tipo de Procedimento 1		Total
	1	2	
0	10639 (96%)	4787 (98%)	15426
1	490 (4%)	117 (2%)	607
Total	11129 (100%)	4904 (100%)	16033

Table 151: Contingency table between readmission 30d and Tipo de Reoperação 1

readmission_30d	Tipo de Reoperação 1				Total
	1	2	3	NA	
0	3854 (98%)	901 (96%)	32 (94%)	10639 (96%)	15426
1	75 (2%)	40 (4%)	2 (6%)	490 (4%)	607
Total	3929 (100%)	941 (100%)	34 (100%)	11129 (100%)	16033

Table 152: 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	12079 (97%)	1688 (94%)	1228 (95%)	431 (94%)	15426
1	401 (3%)	107 (6%)	70 (5%)	29 (6%)	607
Total	12480 (100%)	1795 (100%)	1298 (100%)	460 (100%)	16033

Table 153: Contingency table between readmission 30d and Óbito intraoperatório 1

readmission_30d	Óbito intraoperatório 1		Total
	0	1	
0	15419 (96%)	7 (100%)	15426
1	607 (4%)	0 (0%)	607
Total	16026 (100%)	7 (100%)	16033

Table 154: Contingency table between readmission 30d and Tipo de Reoperação 2

readmission_30d	Tipo de Reoperação 2				Total
	1	2	3	NA	
0	3208 (98%)	1338 (90%)	91 (75%)	10789 (97%)	15426
1	54 (2%)	152 (10%)	30 (25%)	371 (3%)	607
Total	3262 (100%)	1490 (100%)	121 (100%)	11160 (100%)	16033

Table 155: 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	3480 (96%)	603 (94%)	366 (94%)	189 (93%)	10788 (97%)	15426
1	158 (4%)	41 (6%)	22 (6%)	14 (7%)	372 (3%)	607
Total	3638 (100%)	644 (100%)	388 (100%)	203 (100%)	11160 (100%)	16033

Table 156: Contingency table between readmission 30d and Óbito intraoperatório 2

readmission_30d	Óbito intraoperatório 2		Total
	0	NA	
0	4644 (95%)	10782 (97%)	15426
1	236 (5%)	371 (3%)	607
Total	4880 (100%)	11153 (100%)	16033

Table 157: Contingency table between readmission 30d and Tipo de Reoperação 3

readmission_30d	Tipo de Reoperação 3				Total
	1	2	3	NA	
0	691 (96%)	525 (91%)	55 (89%)	14155 (96%)	15426
1	32 (4%)	53 (9%)	7 (11%)	515 (4%)	607
Total	723 (100%)	578 (100%)	62 (100%)	14670 (100%)	16033

Table 158: 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	903 (93%)	229 (91%)	150 (94%)	93 (94%)	14051 (97%)	15426
1	65 (7%)	23 (9%)	10 (6%)	6 (6%)	503 (3%)	607
Total	968 (100%)	252 (100%)	160 (100%)	99 (100%)	14554 (100%)	16033

Table 159: Contingency table between readmission 30d and Óbito intraoperatório 3

readmission_30d	Óbito intraoperatório 3			Total
	0	1	NA	
0	1372 (93%)	4 (100%)	14050 (97%)	15426
1	104 (7%)	0 (0%)	503 (3%)	607
Total	1476 (100%)	4 (100%)	14553 (100%)	16033

Table 160: Contingency table between readmission 30d and Tipo de Reoperação 4

readmission_30d	Tipo de Reoperação 4				Total
	1	2	3	NA	
0	169 (88%)	232 (92%)	32 (97%)	14993 (96%)	15426
1	22 (12%)	20 (8%)	1 (3%)	564 (4%)	607
Total	191 (100%)	252 (100%)	33 (100%)	15557 (100%)	16033

Table 161: Contingency table between readmission 30d and Tipo de Dispositivo ao final do procedimento 4

readmission_30d	Tipo de Dispositivo ao final do procedimento 4					Total
	1	2	3	4	NA	
0	259 (90%)	102 (93%)	43 (96%)	38 (90%)	14984 (96%)	15426
1	29 (10%)	8 (7%)	2 (4%)	4 (10%)	564 (4%)	607
Total	288 (100%)	110 (100%)	45 (100%)	42 (100%)	15548 (100%)	16033

Table 162: Contingency table between readmission 30d and Óbito intraoperatório 4

readmission_30d	Óbito intraoperatório 4		Total
	0	NA	
0	442 (91%)	14984 (96%)	15426
1	43 (9%)	564 (4%)	607
Total	485 (100%)	15548 (100%)	16033

Table 163: Contingency table between readmission 30d and Tipo de Reoperação 5

readmission_30d	Tipo de Reoperação 5				Total
	1	2	3	NA	
0	66 (93%)	100 (94%)	12 (86%)	15248 (96%)	15426
1	5 (7%)	6 (6%)	2 (14%)	594 (4%)	607
Total	71 (100%)	106 (100%)	14 (100%)	15842 (100%)	16033

Table 164: 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%)	15248 (96%)	15426
1	9 (9%)	3 (5%)	1 (5%)	0 (0%)	594 (4%)	607
Total	100 (100%)	56 (100%)	22 (100%)	13 (100%)	15842 (100%)	16033

Table 165: Contingency table between readmission 30d and Óbito intraoperatório 5

readmission_30d	Óbito intraoperatório 5		Total
	0	NA	
0	179 (93%)	15247 (96%)	15426
1	13 (7%)	594 (4%)	607
Total	192 (100%)	15841 (100%)	16033

Table 166: 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 (89%)	6 (100%)	15353 (96%)	15426
1	1 (4%)	5 (11%)	0 (0%)	601 (4%)	607
Total	26 (100%)	47 (100%)	6 (100%)	15954 (100%)	16033

Table 167: 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 (88%)	9 (100%)	15350 (96%)	15426
1	3 (7%)	2 (8%)	1 (12%)	0 (0%)	601 (4%)	607
Total	40 (100%)	25 (100%)	8 (100%)	9 (100%)	15951 (100%)	16033

Table 168: Contingency table between readmission 30d and Óbito intraoperatório 6

readmission_30d	Óbito intraoperatório 6		Total
	0	NA	
0	76 (93%)	15350 (96%)	15426
1	6 (7%)	601 (4%)	607
Total	82 (100%)	15951 (100%)	16033

Table 169: 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%)	15395 (96%)	15426
1	0 (0%)	1 (6%)	0 (0%)	606 (4%)	607
Total	10 (100%)	18 (100%)	4 (100%)	16001 (100%)	16033

Table 170: 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%)	15396 (96%)	15426
1	1 (8%)	0 (0%)	0 (0%)	0 (0%)	606 (4%)	607
Total	13 (100%)	13 (100%)	1 (100%)	4 (100%)	16002 (100%)	16033

Table 171: Contingency table between readmission 30d and Óbito intraoperatório 7

readmission_30d	Óbito intraoperatório 7		Total
	0	NA	
0	31 (97%)	15395 (96%)	15426
1	1 (3%)	606 (4%)	607
Total	32 (100%)	16001 (100%)	16033

Table 172: Contingency table between readmission 30d and Tipo de Reoperação 8

readmission_30d	Tipo de Reoperação 8		Total
	TRUE	NA	
0	12 (100%)	15414 (96%)	15426
1	0 (0%)	607 (4%)	607
Total	12 (100%)	16021 (100%)	16033

Table 173: 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
	TRUE	NA	
0	12 (100%)	15414 (96%)	15426
1	0 (0%)	607 (4%)	607
Total	12 (100%)	16021 (100%)	16033

Table 174: Contingency table between readmission 30d and Óbito intraoperatório 8

readmission_30d	Óbito intraoperatório 8		Total
	FALSE	NA	
0	12 (100%)	15414 (96%)	15426
1	0 (0%)	607 (4%)	607
Total	12 (100%)	16021 (100%)	16033

Table 175: Contingency table between readmission 30d and Tipo de Reoperação 9

readmission_30d	Tipo de Reoperação 9		Total
	TRUE	NA	
0	5 (100%)	15421 (96%)	15426
1	0 (0%)	607 (4%)	607
Total	5 (100%)	16028 (100%)	16033

Table 176: Contingency table between readmission 30d and Tipo de Dispositivo ao final do procedimento 9

readmission_30d	Tipo de Dispositivo ao final do procedimento 9		Total
	TRUE	NA	
0	5 (100%)	15421 (96%)	15426
1	0 (0%)	607 (4%)	607
Total	5 (100%)	16028 (100%)	16033

Table 177: Contingency table between readmission 30d and Óbito intraoperatório 9

readmission_30d	Óbito intraoperatório 9		Total
	FALSE	NA	
0	5 (100%)	15421 (96%)	15426
1	0 (0%)	607 (4%)	607
Total	5 (100%)	16028 (100%)	16033

Table 178: Contingency table between readmission 30d and Tipo de Reoperação 10

readmission_30d	Tipo de Reoperação 10		Total
	TRUE	NA	
0	1 (100%)	15425 (96%)	15426
1	0 (0%)	607 (4%)	607
Total	1 (100%)	16032 (100%)	16033

Table 179: Contingency table between readmission 30d and Tipo de Dispositivo ao final do procedimento 10

readmission_30d	Tipo de Dispositivo ao final do procedimento 10		Total
	TRUE	NA	
0	1 (100%)	15425 (96%)	15426
1	0 (0%)	607 (4%)	607
Total	1 (100%)	16032 (100%)	16033

Table 180: Contingency table between readmission 30d and Óbito intraoperatório 10

readmission_30d	Óbito intraoperatório 10		Total
	FALSE	NA	
0	1 (100%)	15425 (96%)	15426
1	0 (0%)	607 (4%)	607
Total	1 (100%)	16032 (100%)	16033

Table 181: Contingency table between readmission 30d and Mudança do tipo de DCEI: entre o Procedimento 1 e Procedimento 2

readmission_30d	Mudança do tipo de DCEI: entre o Procedimento 1 e Procedimento 2			Total
	0	1	NA	
0	4370 (95%)	268 (96%)	10788 (97%)	15426
1	223 (5%)	12 (4%)	372 (3%)	607
Total	4593 (100%)	280 (100%)	11160 (100%)	16033

Table 182: Contingency table between readmission 30d and Mudança do tipo de DCEI: entre o Procedimento 2 e Procedimento 3

readmission_30d	Mudança do tipo de DCEI: entre o Procedimento 2 e Procedimento 3			Total
	0	1	NA	
0	1287 (93%)	88 (94%)	14051 (97%)	15426
1	98 (7%)	6 (6%)	503 (3%)	607
Total	1385 (100%)	94 (100%)	14554 (100%)	16033

Table 183: Contingency table between readmission 30d and Mudança do tipo de DCEI: entre o Procedimento 3 e Procedimento 4

readmission_30d	Mudança do tipo de DCEI: entre o Procedimento 3 e Procedimento 4			Total
	0	1	NA	
0	416 (91%)	26 (93%)	14984 (96%)	15426
1	41 (9%)	2 (7%)	564 (4%)	607
Total	457 (100%)	28 (100%)	15548 (100%)	16033



Table 184: Contingency table between readmission 30d and Mudança do tipo de DCEI: entre o Procedimento 4 e Procedimento 5

readmission_30d	Mudança do tipo de DCEI: entre o Procedimento 4 e Procedimento 5			Total
	0	1	NA	
0	169 (93%)	9 (100%)	15248 (96%)	15426
1	13 (7%)	0 (0%)	594 (4%)	607
Total	182 (100%)	9 (100%)	15842 (100%)	16033

Table 185: Contingency table between readmission 30d and Mudança do tipo de DCEI: entre o Procedimento 5 e Procedimento 6

readmission_30d	Mudança do tipo de DCEI: entre o Procedimento 5 e Procedimento 6			Total
	0	1	NA	
0	69 (92%)	7 (100%)	15350 (96%)	15426
1	6 (8%)	0 (0%)	601 (4%)	607
Total	75 (100%)	7 (100%)	15951 (100%)	16033

Table 186: Contingency table between readmission 30d and Mudança do tipo de DCEI: entre o Procedimento 6 e Procedimento 7

readmission_30d	Mudança do tipo de DCEI: entre o Procedimento 6 e Procedimento 7			Total
	0	1	NA	
0	27 (96%)	3 (100%)	15396 (96%)	15426
1	1 (4%)	0 (0%)	606 (4%)	607
Total	28 (100%)	3 (100%)	16002 (100%)	16033

Table 187: Contingency table between readmission 30d and Mudança do tipo de DCEI: entre o Procedimento 7 e Procedimento 8

readmission_30d	Mudança do tipo de DCEI: entre o Procedimento 7 e Procedimento 8			Total
	FALSE	TRUE	NA	
0	11 (100%)	1 (100%)	15414 (96%)	15426
1	0 (0%)	0 (0%)	607 (4%)	607
Total	11 (100%)	1 (100%)	16021 (100%)	16033

Table 188: Contingency table between readmission 30d and Mudança do tipo de DCEI: entre o Procedimento 8 e Procedimento 9

readmission_30d	Mudança do tipo de DCEI: entre o Procedimento 8 e Procedimento 9		Total
	FALSE	NA	
0	5 (100%)	15421 (96%)	15426
1	0 (0%)	607 (4%)	607
Total	5 (100%)	16028 (100%)	16033

Table 189: 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
	FALSE	NA	
0	1 (100%)	15425 (96%)	15426
1	0 (0%)	607 (4%)	607
Total	1 (100%)	16032 (100%)	16033

Table 190: Contingency table between readmission 30d and Diálise durante os episódios de hospitalização

readmission_30d	Diálise durante os episódios de hospitalização		Total
	0	1	
0	15370 (96%)	56 (89%)	15426
1	600 (4%)	7 (11%)	607
Total	15970 (100%)	63 (100%)	16033

Table 191: Contingency table between readmission 30d and UTI durante os episódios de hospitalização

readmission_30d	UTI durante os episódios de hospitalização		Total
	0	1	
0	12245 (97%)	3181 (93%)	15426
1	376 (3%)	231 (7%)	607
Total	12621 (100%)	3412 (100%)	16033

Table 192: 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	14396 (97%)	1030 (92%)	15426
1	520 (3%)	87 (8%)	607
Total	14916 (100%)	1117 (100%)	16033

Table 193: Contingency table between readmission 30d and Readmissões pós-T0 com diálise

readmission_30d	Readmissões pós-T0 com diálise				Total
	0	1	2	3	
0	15405 (96%)	19 (100%)	2 (100%)	0 (0%)	15426
1	606 (4%)	0 (0%)	0 (0%)	1 (100%)	607
Total	16011 (100%)	19 (100%)	2 (100%)	1 (100%)	16033

Table 194: Contingency table between readmission 30d and Desfecho principal da admissão T0

readmission_30d	Desfecho principal da admissão T0		Total
	0	1	
0	15168 (96%)	258 (100%)	15426
1	607 (4%)	0 (0%)	607
Total	15775 (100%)	258 (100%)	16033

Table 195: Contingency table between readmission 30d and Desfecho final do estudo

readmission_30d	Desfecho final do estudo			Total
	1	2	3	
0	2583 (92%)	7513 (97%)	5330 (97%)	15426
1	216 (8%)	224 (3%)	167 (3%)	607
Total	2799 (100%)	7737 (100%)	5497 (100%)	16033

Table 196: Contingency table between readmission 30d and Óbito intraoperatório

readmission_30d	Óbito intraoperatório		Total
	0	1	
0	15415 (96%)	11 (100%)	15426
1	607 (4%)	0 (0%)	607
Total	16022 (100%)	11 (100%)	16033

Table 197: Contingency table between readmission 30d and Ventilação mecânica / IOT

readmission_30d	Ventilação mecânica / IOT		Total
	0	1	
0	12595 (97%)	2831 (94%)	15426
1	433 (3%)	174 (6%)	607
Total	13028 (100%)	3005 (100%)	16033