

Tables - readmission__60d

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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

if (outcome_column == 'general') {
  df <- df %>% mutate(general = 'All')
}

df[columns_list$outcome_columns] <- lapply(df[columns_list$outcome_columns], as.character)
df[columns_list$outcome_columns] <- lapply(df[columns_list$outcome_columns], as.integer)
```

Numerical variables

```
medianWithoutNA <- function(x) {
  median(x[which(!is.na(x))])
}

i = 0
for (column in columns_list$numerical_columns) {
  df %>%
    group_by_at(vars(one_of(outcome_column))) %>%
    summarise('Mean' = mean(!sym(column), na.rm = T),
              'Min' = min(!sym(column), na.rm = T),
              'Median' = medianWithoutNA(!sym(column)),
              'Max' = max(!sym(column), na.rm = T),
              'Standard Deviation' = sd(!sym(column), na.rm = T),
              'N' = n(),
              'Missing' = sum(is.na(!sym(column)))) %>%
    ungroup %>%
    mutate(Min = ifelse(is.infinite(Min), NA, Min),
           Max = ifelse(is.infinite(Max), NA, Max)) %>%
    kbl(align = "l", booktabs = T, digits = 3, format = 'latex', label = i,
        caption = df_names %>% filter(variable.name == column) %>% .$field.label) %>%
    column_spec(1, bold = T, width = "8em") %>%
    row_spec(c(1) - 1, extra_latex_after = "\\rowcolor{gray!6}") %>%
    collapse_rows(1, latex_hline = "none") %>%
    kable_styling(latex_options = c("HOLD_position", "repeat_header")) %>%
    print
```

```
i <- i + 1
}
```

Table 1: Idade no momento do primeiro procedimento

readmission_60d	Mean	Min	Median	Max	Standard Deviation	N	Missing
0	65.729	0	69.00	110.6	17.673	14860	0
1	63.665	0	67.35	98.8	19.251	906	0

Table 2: Número de comorbidades

readmission_60d	Mean	Min	Median	Max	Standard Deviation	N	Missing
0	1.232	0	1	8	1.340	14860	0
1	1.568	0	1	8	1.501	906	0

Table 3: Número de procedimentos

readmission_60d	Mean	Min	Median	Max	Standard Deviation	N	Missing
0	1.440	1	1	10	0.826	14860	0
1	1.673	1	1	7	1.038	906	0

Table 4: Ano do procedimento 1

readmission_60d	Mean	Min	Median	Max	Standard Deviation	N	Missing
0	2010.608	1999	2010	2021	5.812	14860	0
1	2010.273	1999	2010	2021	5.352	906	0

Table 5: Idade no Procedimento 1

readmission_60d	Mean	Min	Median	Max	Standard Deviation	N	Missing
0	65.729	0	69.00	110.6	17.673	14860	0
1	63.665	0	67.35	98.8	19.251	906	0

Table 6: Ano do procedimento 2

readmission_60d	Mean	Min	Median	Max	Standard Deviation	N	Missing
0	2013.278	1999	2013	2022	4.551	14860	10364
1	2010.745	1999	2010	2022	5.582	906	541

Table 7: Idade no Procedimento 2

readmission_60d	Mean	Min	Median	Max	Standard Deviation	N	Missing
0	65.310	0.0	69.4	108.7	19.306	14860	10363
1	62.995	0.7	65.5	97.1	18.599	906	541

Table 8: Ano do procedimento 3

readmission_60d	Mean	Min	Median	Max	Standard Deviation	N	Missing
0	2014.571	1999	2015	2022	4.583	14860	13534
1	2012.126	2002	2012	2022	5.842	906	755

Table 9: Idade no Procedimento 3

readmission_60d	Mean	Min	Median	Max	Standard Deviation	N	Missing
0	61.996	0.4	66.0	101.1	20.932	14860	13534
1	62.072	0.8	65.8	97.6	19.122	906	755

Table 10: Ano do procedimento 4

readmission_60d	Mean	Min	Median	Max	Standard Deviation	N	Missing
0	2014.648	2002	2015	2022	4.663	14860	14437
1	2013.177	2002	2014	2022	5.565	906	844

Table 11: Idade no Procedimento 4

readmission_60d	Mean	Min	Median	Max	Standard Deviation	N	Missing
0	59.197	1.9	63.70	97.7	22.196	14860	14437
1	62.547	5.6	65.85	96.9	19.858	906	844

Table 12: Ano do procedimento 5

readmission_60d	Mean	Min	Median	Max	Standard Deviation	N	Missing
0	2014.48	2004	2015	2022	4.008	14860	14687
1	2012.00	2003	2013	2021	5.185	906	887

Table 13: Idade no Procedimento 5

readmission_60d	Mean	Min	Median	Max	Standard Deviation	N	Missing
0	57.812	3.2	62.6	99.7	22.240	14860	14687
1	58.147	26.1	66.6	83.5	20.629	906	887

Table 14: Ano do procedimento 6

readmission_60d	Mean	Min	Median	Max	Standard Deviation	N	Missing
0	2015.083	2004	2016	2021	4.433	14860	14788
1	2011.889	2003	2013	2020	4.702	906	897

Table 15: Idade no Procedimento 6

readmission_60d	Mean	Min	Median	Max	Standard Deviation	N	Missing
0	55.538	6.6	58.75	101.6	22.485	14860	14788
1	58.489	26.7	63.90	84.2	22.792	906	897

Table 16: Ano do procedimento 7

readmission_60d	Mean	Min	Median	Max	Standard Deviation	N	Missing
0	2016.00	2007	2017	2022	4.414	14860	14832
1	2013.25	2010	2014	2015	2.363	906	902

Table 17: Idade no Procedimento 7

readmission_60d	Mean	Min	Median	Max	Standard Deviation	N	Missing
0	50.832	8.8	57.1	81.8	21.092	14860	14832
1	54.025	28.7	54.3	78.8	21.906	906	902

Table 18: Ano do procedimento 8

readmission_60d	Mean	Min	Median	Max	Standard Deviation	N	Missing
0	2014.917	2008	2015.5	2020	3.942	14860	14848
1	NaN	NA	NA	NA	NA	906	906

Table 19: Idade no Procedimento 8

readmission_60d	Mean	Min	Median	Max	Standard Deviation	N	Missing
0	52.283	14.3	52.9	81.8	23.027	14860	14848
1	NaN	NA	NA	NA	NA	906	906

Table 20: Ano do procedimento 9

readmission_60d	Mean	Min	Median	Max	Standard Deviation	N	Missing
0	2014.8	2009	2016	2022	5.07	14860	14855
1	NaN	NA	NA	NA	NA	906	906

Table 21: Idade no Procedimento 9

readmission_60d	Mean	Min	Median	Max	Standard Deviation	N	Missing
0	39.86	15	36.6	82.2	26.06	14860	14855
1	NaN	NA	NA	NA	NA	906	906

Table 22: Ano do procedimento 10

readmission_60d	Mean	Min	Median	Max	Standard Deviation	N	Missing
0	2019	2019	2019	2019	NA	14860	14859
1	NaN	NA	NA	NA	NA	906	906

Table 23: Idade no Procedimento 10

readmission_60d	Mean	Min	Median	Max	Standard Deviation	N	Missing
0	39.7	39.7	39.7	39.7	NA	14860	14859
1	NaN	NA	NA	NA	NA	906	906

Table 24: Tempo entre o P1 e P2 (meses)

readmission_60d	Mean	Min	Median	Max	Standard Deviation	N	Missing
0	77.438	0	86.1	197.1	37.383	14860	10363
1	22.450	0	1.4	155.5	38.231	906	541

Table 25: Tempo entre o P2 e P3 (meses)

readmission_60d	Mean	Min	Median	Max	Standard Deviation	N	Missing
0	57.18	0	62.2	170.5	39.071	14860	13534
1	42.36	0	31.7	132.5	43.037	906	755

Table 26: Tempo entre o P3 e P4 (meses)

readmission_60d	Mean	Min	Median	Max	Standard Deviation	N	Missing
0	38.313	0.0	29.8	142.7	38.708	14860	14438
1	48.392	0.1	39.3	137.4	46.088	906	844

Table 27: Tempo entre o P4 e P5 (meses)

readmission_60d	Mean	Min	Median	Max	Standard Deviation	N	Missing
0	31.150	0.0	6.7	127.6	37.064	14860	14687
1	43.537	0.4	22.3	144.3	48.961	906	887

Table 28: Tempo entre o P5 e P6 (meses)

readmission_60d	Mean	Min	Median	Max	Standard Deviation	N	Missing
0	28.764	0.0	6.0	110.3	35.115	14860	14788
1	19.178	0.1	0.2	82.4	33.631	906	897

Table 29: Tempo entre o P6 e P7 (meses)

readmission_60d	Mean	Min	Median	Max	Standard Deviation	N	Missing
0	34.836	0.0	3.95	142.3	44.491	14860	14832
1	8.075	0.1	4.00	24.2	11.339	906	902

Table 30: Tempo entre o P7 e P8 (meses)

readmission_60d	Mean	Min	Median	Max	Standard Deviation	N	Missing
0	19.983	0.2	2.6	80.9	28.743	14860	14848
1	NaN	NA	NA	NA	NA	906	906

Table 31: Tempo entre o P8 e P9 (meses)

readmission_60d	Mean	Min	Median	Max	Standard Deviation	N	Missing
0	21.72	4.8	8.7	63.2	24.892	14860	14855
1	NaN	NA	NA	NA	NA	906	906

Table 32: Tempo entre o P9 e P10 (meses)

readmission_60d	Mean	Min	Median	Max	Standard Deviation	N	Missing
0	36.8	36.8	36.8	36.8	NA	14860	14859
1	NaN	NA	NA	NA	NA	906	906

Table 33: Número de Mudanças do tipo de DCEI

readmission_60d	Mean	Min	Median	Max	Standard Deviation	N	Missing
0	0.086	0	0	3	0.294	14860	10365
1	0.099	0	0	2	0.325	906	542

Table 34: Número de atendimentos

readmission_60d	Mean	Min	Median	Max	Standard Deviation	N	Missing
0	2.248	1	2	51	2.047	14860	0
1	4.556	2	3	32	3.494	906	0

Table 35: Número da Admissão T0 (admissão índice)

readmission_60d	Mean	Min	Median	Max	Standard Deviation	N	Missing
0	1.399	1	1	32	1.036	14860	0
1	2.024	1	1	17	1.987	906	0

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

readmission_60d	Mean	Min	Median	Max	Standard Deviation	N	Missing
0	0.764	0	0	50	1.553	14860	0
1	2.508	0	2	25	2.666	906	0

Table 37: Núm. de episódios de hospitalizações pré-procedimento

readmission_60d	Mean	Min	Median	Max	Standard Deviation	N	Missing
0	0.510	0	0	38	1.172	14860	0
1	1.051	0	0	16	1.993	906	0

Table 38: Ano da admissão T0

readmission_60d	Mean	Min	Median	Max	Standard Deviation	N	Missing
0	2010.602	1999	2010	2021	5.813	14860	17
1	2010.250	1999	2010	2021	5.348	906	3

Table 39: UTI durante a admissão T0

readmission_60d	Mean	Min	Median	Max	Standard Deviation	N	Missing
0	1.466	0	0	191.95	6.019	14860	0
1	4.543	0	0	188.00	13.581	906	0

Table 40: Diálise durante a admissão T0

readmission_60d	Mean	Min	Median	Max	Standard Deviation	N	Missing
0	0.010	0	0	28	0.419	14860	0
1	0.028	0	0	10	0.405	906	0

Table 41: Tempo de seguimento total (anos)

readmission_60d	Mean	Min	Median	Max	Standard Deviation	N	Missing
0	5.969	0	4.5	22.6	5.255	14860	0
1	4.420	0	2.8	22.0	4.756	906	0

Table 42: Tempo de sobrevida (anos)

readmission_60d	Mean	Min	Median	Max	Standard Deviation	N	Missing
0	4.525	0	3.3	20.1	4.151	14860	13377
1	1.763	0	0.3	17.3	2.889	906	624

Table 43: Diárias no serviço de Emergência na admissão T0

readmission_60d	Mean	Min	Median	Max	Standard Deviation	N	Missing
0	0.298	0	0	27	1.283	14860	5591
1	0.606	0	0	28	2.189	906	338

Table 44: Anticoagulantes orais

readmission_60d	Mean	Min	Median	Max	Standard Deviation	N	Missing
0	0.275	0	0	98	2.409	14860	3301
1	0.662	0	0	32	2.768	906	182

Table 45: Antiarrítmicos

readmission_60d	Mean	Min	Median	Max	Standard Deviation	N	Missing
0	3.228	0	0	445	15.562	14860	3301
1	11.492	0	0	844	44.718	906	182

Table 46: Antihipertensivo

readmission_60d	Mean	Min	Median	Max	Standard Deviation	N	Missing
0	0.434	0	0	349	5.15	14860	3301
1	1.007	0	0	160	7.95	906	182

Table 47: Betabloqueador

readmission_60d	Mean	Min	Median	Max	Standard Deviation	N	Missing
0	1.006	0	0	388	7.798	14860	3301
1	2.407	0	0	182	11.537	906	182

Table 48: IECA/BRA

readmission_60d	Mean	Min	Median	Max	Standard Deviation	N	Missing
0	8.535	0	2	530	20.004	14860	3301
1	14.420	0	4	208	28.412	906	182

Table 49: DVA

readmission_60d	Mean	Min	Median	Max	Standard Deviation	N	Missing
0	4.384	0	0	594	25.024	14860	3301
1	15.728	0	0	1044	64.787	906	182

Table 50: Digoxina

readmission_60d	Mean	Min	Median	Max	Standard Deviation	N	Missing
0	0.212	0	0	50	1.499	14860	3301
1	0.577	0	0	47	3.082	906	182

Table 51: Estatinas

readmission_60d	Mean	Min	Median	Max	Standard Deviation	N	Missing
0	4.827	0	0	421	15.621	14860	3301
1	9.892	0	0	413	27.008	906	182

Table 52: Diuretico

readmission_60d	Mean	Min	Median	Max	Standard Deviation	N	Missing
0	7.231	0	0	1245	35.961	14860	3301
1	28.372	0	2	1290	114.481	906	182

Table 53: Vasodilator

readmission_60d	Mean	Min	Median	Max	Standard Deviation	N	Missing
0	7.87	0	0	865.5	41.015	14860	3301
1	26.79	0	0	2408.0	123.740	906	182

Table 54: Insuficiência cardíaca (ivabradina, levosimendan, milrinona, nesiritida, carvedilol)

readmission_60d	Mean	Min	Median	Max	Standard Deviation	N	Missing
0	4.127	0	0	426	15.124	14860	3301
1	9.925	0	0	453	30.549	906	182

Table 55: Antagonista da Aldosterona (espironolactona)

readmission_60d	Mean	Min	Median	Max	Standard Deviation	N	Missing
0	1.846	0	0	204	7.148	14860	3301
1	5.092	0	0	130	14.001	906	182

Table 56: Bloqueador do canal de calcio

readmission_60d	Mean	Min	Median	Max	Standard Deviation	N	Missing
0	0.463	0	0	509	8.605	14860	3301
1	3.058	0	0	230	19.325	906	182

Table 57: Trombolitico

readmission_60d	Mean	Min	Median	Max	Standard Deviation	N	Missing
0	0.001	0	0	3	0.041	14860	3301
1	0.000	0	0	0	0.000	906	182

Table 58: Antiplaquetario VO

readmission_60d	Mean	Min	Median	Max	Standard Deviation	N	Missing
0	0	0	0	0	0	14860	3301
1	0	0	0	0	0	906	182

Table 59: Antiplaquetario EV

readmission_60d	Mean	Min	Median	Max	Standard Deviation	N	Missing
0	0.010	0	0	8	0.172	14860	3301
1	0.022	0	0	3	0.209	906	182

Table 60: Insulina

readmission_60d	Mean	Min	Median	Max	Standard Deviation	N	Missing
0	0.091	0	0	16	0.463	14860	3301
1	0.160	0	0	6	0.580	906	182

Table 61: Hipoglicemiente

readmission_60d	Mean	Min	Median	Max	Standard Deviation	N	Missing
0	0.339	0	0	79	2.585	14860	3301
1	0.677	0	0	90	5.508	906	182

Table 62: Hormonio tireoidiano

readmission_60d	Mean	Min	Median	Max	Standard Deviation	N	Missing
0	0	0	0	0	0	14860	3301
1	0	0	0	0	0	906	182

Table 63: Broncodilador

readmission_60d	Mean	Min	Median	Max	Standard Deviation	N	Missing
0	0	0	0	0	0	14860	3301
1	0	0	0	0	0	906	182

Table 64: Anticonvulsivante

readmission_60d	Mean	Min	Median	Max	Standard Deviation	N	Missing
0	0.675	0	0	334	8.201	14860	3301
1	4.153	0	0	390	28.686	906	182

Table 65: Psicofármacos (Ansiolítico/ antidepressivo/ antipsicótico)

readmission_60d	Mean	Min	Median	Max	Standard Deviation	N	Missing
0	3.339	0	0	387	11.183	14860	3301
1	9.097	0	1	251	24.339	906	182

Table 66: Antibióticos

readmission_60d	Mean	Min	Median	Max	Standard Deviation	N	Missing
0	12.677	0	4	1812	58.930	14860	3301
1	24.464	0	4	751	67.107	906	182

Table 67: Antifúngicos

readmission_60d	Mean	Min	Median	Max	Standard Deviation	N	Missing
0	0.229	0	0	122	2.899	14860	3301
1	1.073	0	0	99	6.507	906	182

Table 68: Antiviral

readmission_60d	Mean	Min	Median	Max	Standard Deviation	N	Missing
0	0.063	0	0	131	1.964	14860	3301
1	0.740	0	0	103	6.567	906	182

Table 69: Antiretroviral

readmission_60d	Mean	Min	Median	Max	Standard Deviation	N	Missing
0	0.009	0	0	32	0.460	14860	3301
1	0.006	0	0	4	0.149	906	182

Table 70: Quantidade de classes medicamentosas utilizadas

readmission_60d	Mean	Min	Median	Max	Standard Deviation	N	Missing
0	4.649	1	4	17	2.483	14860	4672
1	6.324	1	6	16	2.955	906	283

Table 71: Ventilação não invasiva

readmission_60d	Mean	Min	Median	Max	Standard Deviation	N	Missing
0	0.02	0	0	42	0.644	14860	2597
1	0.00	0	0	0	0.000	906	137

Table 72: Instalação de CEC

readmission_60d	Mean	Min	Median	Max	Standard Deviation	N	Missing
0	0.011	0	0	2	0.104	14860	2597
1	0.030	0	0	1	0.170	906	137

Table 73: Cirurgia Cardiovascular

readmission_60d	Mean	Min	Median	Max	Standard Deviation	N	Missing
0	0.055	0	0	9	0.367	14860	2597
1	0.073	0	0	6	0.462	906	137

Table 74: Cirurgia Toracica

readmission_60d	Mean	Min	Median	Max	Standard Deviation	N	Missing
0	0.002	0	0	4	0.061	14860	2597
1	0.010	0	0	2	0.135	906	137

Table 75: Outros procedimentos cirúrgicos (cir geral, gastrocir, plástica, uro, vascular)

readmission_60d	Mean	Min	Median	Max	Standard Deviation	N	Missing
0	0.099	0	0	11	0.505	14860	2597
1	0.215	0	0	9	0.803	906	137

Table 76: Traqueostomia

readmission_60d	Mean	Min	Median	Max	Standard Deviation	N	Missing
0	0.001	0	0	5	0.056	14860	2597
1	0.001	0	0	1	0.036	906	137

Table 77: Intervenção coronária percutânea

readmission_60d	Mean	Min	Median	Max	Standard Deviation	N	Missing
0	0.01	0	0	3	0.116	14860	2597
1	0.03	0	0	4	0.266	906	137

Table 78: Intervenção cardiovascular em laboratório de hemodinâmica (alcoolização septal, valvoplastia percutânea, stent em vasos pulmonares)

readmission_60d	Mean	Min	Median	Max	Standard Deviation	N	Missing
0	0.007	0	0	3	0.116	14860	2597
1	0.010	0	0	2	0.125	906	137

Table 79: Stent

readmission_60d	Mean	Min	Median	Max	Standard Deviation	N	Missing
0	0	0	0	0	0	14860	2597
1	0	0	0	0	0	906	137

Table 80: Angioplastia

readmission_60d	Mean	Min	Median	Max	Standard Deviation	N	Missing
0	0.001	0	0	2	0.037	14860	2597
1	0.004	0	0	1	0.062	906	137

Table 81: Cateterismo

readmission_60d	Mean	Min	Median	Max	Standard Deviation	N	Missing
0	0.116	0	0	5	0.388	14860	2597
1	0.233	0	0	7	0.583	906	137

Table 82: Eletrofisiologia

readmission_60d	Mean	Min	Median	Max	Standard Deviation	N	Missing
0	0.078	0	0	11	0.464	14860	2597
1	0.148	0	0	6	0.616	906	137

Table 83: Suporte cardiocirculatório (ECMO, BIA, Bio-PUMP)

readmission_60d	Mean	Min	Median	Max	Standard Deviation	N	Missing
0	0.023	0	0	152	1.580	14860	2597
1	1.432	0	0	535	21.614	906	137

Table 84: Cateter venoso central

readmission_60d	Mean	Min	Median	Max	Standard Deviation	N	Missing
0	0.025	0	0	4	0.187	14860	2597
1	0.083	0	0	4	0.373	906	137

Table 85: Drenagem de tórax (instalação /troca) e punção pericárdica ou pleural

readmission_60d	Mean	Min	Median	Max	Standard Deviation	N	Missing
0	0.005	0	0	6	0.103	14860	2597
1	0.007	0	0	4	0.149	906	137

Table 86: Quantidade de procedimentos invasivos

readmission_60d	Mean	Min	Median	Max	Standard Deviation	N	Missing
0	0.434	0	0	159	2.125	14860	2597
1	2.289	0	0	554	22.583	906	137

Table 87: Cardioversão/ Desfibrilação (sessão)

readmission_60d	Mean	Min	Median	Max	Standard Deviation	N	Missing
0	0.006	0	0	5	0.118	14860	3374
1	0.014	0	0	3	0.167	906	192

Table 88: Transfusão de hemoderivados

readmission_60d	Mean	Min	Median	Max	Standard Deviation	N	Missing
0	0.025	0	0	34	0.486	14860	2597
1	0.104	0	0	18	0.984	906	137

Table 89: Interconsulta médica (Especialidades cirúrgicas, infecto, uro, nefro, psiquiatra, dermatologista, alergista, oncologista, geriatra, etc)

readmission_60d	Mean	Min	Median	Max	Standard Deviation	N	Missing
0	0.328	0	0	199	2.679	14860	2597
1	0.701	0	0	67	4.068	906	137

Table 90: Equipe Multiprofissional (enf, fono, fisio, nutri, serviço social, psicologia)

readmission_60d	Mean	Min	Median	Max	Standard Deviation	N	Missing
0	2.729	0	0	365	11.787	14860	2597
1	7.264	0	1	318	24.430	906	137

Table 91: ECG

readmission_60d	Mean	Min	Median	Max	Standard Deviation	N	Missing
0	3.710	0	2	84	5.278	14860	2597
1	6.811	0	4	140	10.508	906	137

Table 92: Holter

readmission_60d	Mean	Min	Median	Max	Standard Deviation	N	Missing
0	0.100	0	0	5	0.347	14860	2597
1	0.181	0	0	3	0.436	906	137

Table 93: Teste de esforço

readmission_60d	Mean	Min	Median	Max	Standard Deviation	N	Missing
0	0.01	0	0	3	0.104	14860	2597
1	0.02	0	0	2	0.147	906	137

Table 94: Espirometria / Ergoespirometria

readmission_60d	Mean	Min	Median	Max	Standard Deviation	N	Missing
0	0.004	0	0	2	0.067	14860	2597
1	0.010	0	0	1	0.102	906	137

Table 95: Tilt Test

readmission_60d	Mean	Min	Median	Max	Standard Deviation	N	Missing
0	0.002	0	0	2	0.049	14860	2597
1	0.007	0	0	1	0.080	906	137

Table 96: Polissonografia

readmission_60d	Mean	Min	Median	Max	Standard Deviation	N	Missing
0	0.001	0	0	2	0.040	14860	2597
1	0.004	0	0	2	0.081	906	137

Table 97: Quantidade de exames por métodos gráficos

readmission_60d	Mean	Min	Median	Max	Standard Deviation	N	Missing
0	3.828	0	2	86	5.422	14860	2597
1	7.033	0	4	140	10.627	906	137

Table 98: Exames laboratoriais (exames bioquímicos, exames hematologia/coagulação, anticorpos, dosagem sérica de fármacos)

readmission_60d	Mean	Min	Median	Max	Standard Deviation	N	Missing
0	54.076	0	9	3474	149.890	14860	2597
1	140.394	0	33	3238	322.818	906	137

Table 99: Culturas (hemocultura, cultura de secreções, urocultura e cultura de cateteres)

readmission_60d	Mean	Min	Median	Max	Standard Deviation	N	Missing
0	0.268	0	0	25	1.052	14860	2597
1	0.702	0	0	19	2.022	906	137

Table 100: Quantidade de exames de análises clínicas

readmission_60d	Mean	Min	Median	Max	Standard Deviation	N	Missing
0	54.344	0	9	3487	150.677	14860	2597
1	141.096	0	33	3253	324.526	906	137

Table 101: Citologias

readmission_60d	Mean	Min	Median	Max	Standard Deviation	N	Missing
0	0.005	0	0	5	0.088	14860	2597
1	0.023	0	0	4	0.221	906	137

Table 102: Biopsias (cardíaca, esterno, parede torácica, tumor em mediastino, pulmonar)

readmission_60d	Mean	Min	Median	Max	Standard Deviation	N	Missing
0	0.009	0	0	8	0.184	14860	2597
1	0.108	0	0	10	0.757	906	137

Table 103: Quantidade de exames histopatológicos

readmission_60d	Mean	Min	Median	Max	Standard Deviation	N	Missing
0	0.014	0	0	8	0.206	14860	2597
1	0.131	0	0	10	0.829	906	137

Table 104: Angio RM

readmission_60d	Mean	Min	Median	Max	Standard Deviation	N	Missing
0	0.004	0	0	4	0.082	14860	2597
1	0.010	0	0	2	0.125	906	137

Table 105: Angio TC

readmission_60d	Mean	Min	Median	Max	Standard Deviation	N	Missing
0	0.033	0	0	6	0.233	14860	2597
1	0.049	0	0	2	0.234	906	137

Table 106: Angiografia

readmission_60d	Mean	Min	Median	Max	Standard Deviation	N	Missing
0	0.002	0	0	3	0.051	14860	2597
1	0.003	0	0	1	0.051	906	137

Table 107: Aortografia

readmission_60d	Mean	Min	Median	Max	Standard Deviation	N	Missing
0	0.002	0	0	2	0.050	14860	2597
1	0.003	0	0	1	0.051	906	137

Table 108: Arteriografia

readmission_60d	Mean	Min	Median	Max	Standard Deviation	N	Missing
0	0.000	0	0	1	0.020	14860	2597
1	0.004	0	0	2	0.081	906	137

Table 109: Cavografia

readmission_60d	Mean	Min	Median	Max	Standard Deviation	N	Missing
0	0.007	0	0	1	0.084	14860	2597
1	0.008	0	0	1	0.088	906	137

Table 110: Cintilografia

readmission_60d	Mean	Min	Median	Max	Standard Deviation	N	Missing
0	0.061	0	0	5	0.344	14860	2597
1	0.133	0	0	4	0.487	906	137

Table 111: Ecocardiograma

readmission_60d	Mean	Min	Median	Max	Standard Deviation	N	Missing
0	0.499	0	0	23	1.080	14860	2597
1	1.091	0	1	24	2.391	906	137

Table 112: Exames endoscópicos (EDA, colonoscopia, retossigmoidoscopia, broncoscopia)

readmission_60d	Mean	Min	Median	Max	Standard Deviation	N	Missing
0	0.013	0	0	6	0.153	14860	2597
1	0.059	0	0	3	0.315	906	137

Table 113: Flebografia

readmission_60d	Mean	Min	Median	Max	Standard Deviation	N	Missing
0	0.034	0	0	5	0.281	14860	2597
1	0.053	0	0	5	0.376	906	137

Table 114: PET-CT

readmission_60d	Mean	Min	Median	Max	Standard Deviation	N	Missing
0	0.004	0	0	3	0.072	14860	2597
1	0.012	0	0	2	0.119	906	137

Table 115: Ultrassom

readmission_60d	Mean	Min	Median	Max	Standard Deviation	N	Missing
0	0.153	0	0	14	0.713	14860	2597
1	0.469	0	0	12	1.399	906	137

Table 116: Tomografia

readmission_60d	Mean	Min	Median	Max	Standard Deviation	N	Missing
0	0.148	0	0	15	0.634	14860	2597
1	0.306	0	0	10	0.922	906	137

Table 117: Radiografias

readmission_60d	Mean	Min	Median	Max	Standard Deviation	N	Missing
0	2.767	0	1	192	6.376	14860	2597
1	6.036	0	2	184	13.913	906	137

Table 118: Ressonancia magnetica

readmission_60d	Mean	Min	Median	Max	Standard Deviation	N	Missing
0	0.069	0	0	6	0.300	14860	2597
1	0.148	0	0	3	0.419	906	137

Table 119: Quantidade de exames diagnóstico por imagem

readmission_60d	Mean	Min	Median	Max	Standard Deviation	N	Missing
0	3.795	0	2	232	8.034	14860	2597
1	8.384	0	4	200	17.005	906	137

Table 120: Dieta enteral (frasco)

readmission_60d	Mean	Min	Median	Max	Standard Deviation	N	Missing
0	0.026	0	0	115	1.414	14860	3376
1	0.186	0	0	111	4.220	906	192

Table 121: Dieta parenteral (frasco)

readmission_60d	Mean	Min	Median	Max	Standard Deviation	N	Missing
0	0.001	0	0	5	0.063	14860	3376
1	0.000	0	0	0	0.000	906	192

Table 122: Bomba de infusão contínua (horas)

readmission_60d	Mean	Min	Median	Max	Standard Deviation	N	Missing
0	0.800	0	0	1527	21.975	14860	3376
1	3.175	0	0	743	35.698	906	192

Table 123: Marca-passo temporário (por hora)

readmission_60d	Mean	Min	Median	Max	Standard Deviation	N	Missing
0	0.153	0	0	180	2.991	14860	3376
1	0.244	0	0	66	3.431	906	192

Table 124: Número de procedimentos na admissão T0

readmission_60d	Mean	Min	Median	Max	Standard Deviation	N	Missing
0	1.015	1	1	5	0.137	14860	0
1	1.019	1	1	3	0.158	906	0

Table 125: Número de procedimentos em até 30 dias

readmission_60d	Mean	Min	Median	Max	Standard Deviation	N	Missing
0	0.000	0	0	1	0.016	14860	0
1	0.136	0	0	3	0.379	906	0

Table 126: Número de procedimentos em até 60 dias

readmission_60d	Mean	Min	Median	Max	Standard Deviation	N	Missing
0	0.000	0	0	1	0.014	14860	0
1	0.153	0	0	3	0.398	906	0

Table 127: Número de procedimentos em até 180 dias

readmission_60d	Mean	Min	Median	Max	Standard Deviation	N	Missing
0	0.010	0	0	4	0.119	14860	0
1	0.047	0	0	3	0.255	906	0

Table 128: Número de procedimentos em até 1 ano

readmission_60d	Mean	Min	Median	Max	Standard Deviation	N	Missing
0	0.010	0	0	3	0.121	14860	0
1	0.025	0	0	3	0.183	906	0

Table 129: Quantidade de classes medicamentosas de ação cardiovascular

readmission_60d	Mean	Min	Median	Max	Standard Deviation	N	Missing
0	3.048	1	3	10	1.732	14860	6218
1	4.044	1	4	9	2.034	906	317

Table 130: Quantidade de medicamentos de ação cardiovascular

readmission_60d	Mean	Min	Median	Max	Standard Deviation	N	Missing
0	39.335	0	9	1937	110.879	14860	3301
1	118.866	0	26	5140	313.844	906	182

Table 131: Quantidade de antimicrobianos (antibióticos e antifúngicos)

readmission_60d	Mean	Min	Median	Max	Standard Deviation	N	Missing
0	12.906	0	4	1812	59.817	14860	3301
1	25.537	0	4	812	71.420	906	182

Table 132: Tempo de permanência hospitalar

readmission_60d	Mean	Min	Median	Max	Standard Deviation	N	Missing
0	7.480	0	3	360	12.485	14860	0
1	16.284	0	9	241	22.667	906	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()
df[columns_list$outcome_columns] <- lapply(df[columns_list$outcome_columns], as.character)

for (column in columns_list$categorical_columns) {
  transpose <- FALSE
  if (length(unique(df[[column]])) > 5) transpose <- TRUE

  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 (transpose) {
    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, label = i) %>%
  row_spec(length(unique(df %>% .[[column]] %>% replace_na("NA"))),
      hline_after = T) %>%
  column_spec(3, border_right = T) %>%
  collapse_rows(1, latex_hline = "none") %>%
  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 133: Contingency table between readmission 60d and Sexo

readmission_60d	Sexo		Total
	0	1	
0	7019 (94%)	7841 (94%)	14860
1	430 (6%)	476 (6%)	906
Total	7449 (100%)	8317 (100%)	15766

Table 134: Contingency table between readmission 60d and Raça

Raça	readmission_60d		Total
	0	1	
1	12681 (94%)	772 (6%)	13453 (100%)
2	735 (94%)	49 (6%)	784 (100%)
3	637 (95%)	34 (5%)	671 (100%)
4	206 (94%)	12 (6%)	218 (100%)
5	2 (100%)	0 (0%)	2 (100%)
999	533 (94%)	32 (6%)	565 (100%)
NA	66 (90%)	7 (10%)	73 (100%)
Total	14860	906	15766

Table 135: Contingency table between readmission 60d and Escolaridade

Escolaridade	readmission_60d		Total
	0	1	
0	691 (95%)	36 (5%)	727 (100%)
1	890 (95%)	45 (5%)	935 (100%)
2	3635 (95%)	186 (5%)	3821 (100%)
3	634 (94%)	37 (6%)	671 (100%)
4	1117 (93%)	87 (7%)	1204 (100%)
999	7445 (94%)	504 (6%)	7949 (100%)
NA	448 (98%)	11 (2%)	459 (100%)
Total	14860	906	15766

Table 136: Contingency table between readmission 60d and Estado de residência

Estado de residência	readmission_60d		Total
	0	1	
11	12 (100%)	0 (0%)	12 (100%)
12	12 (92%)	1 (8%)	13 (100%)
13	12 (100%)	0 (0%)	12 (100%)
14	2 (100%)	0 (0%)	2 (100%)
15	10 (83%)	2 (17%)	12 (100%)
16	2 (100%)	0 (0%)	2 (100%)
17	2 (100%)	0 (0%)	2 (100%)
21	6 (100%)	0 (0%)	6 (100%)
22	11 (100%)	0 (0%)	11 (100%)
23	9 (100%)	0 (0%)	9 (100%)
24	6 (100%)	0 (0%)	6 (100%)
25	8 (100%)	0 (0%)	8 (100%)
26	18 (100%)	0 (0%)	18 (100%)
27	4 (80%)	1 (20%)	5 (100%)
28	5 (83%)	1 (17%)	6 (100%)
29	94 (94%)	6 (6%)	100 (100%)
31	260 (96%)	10 (4%)	270 (100%)
32	10 (91%)	1 (9%)	11 (100%)
33	83 (97%)	3 (3%)	86 (100%)
35	13588 (94%)	859 (6%)	14447 (100%)
41	61 (94%)	4 (6%)	65 (100%)
42	25 (89%)	3 (11%)	28 (100%)
43	4 (100%)	0 (0%)	4 (100%)
50	12 (86%)	2 (14%)	14 (100%)
51	15 (94%)	1 (6%)	16 (100%)
52	21 (91%)	2 (9%)	23 (100%)
53	17 (100%)	0 (0%)	17 (100%)
NA	551 (98%)	10 (2%)	561 (100%)
Total	14860	906	15766

Table 137: Contingency table between readmission 60d and Doença cardíaca

Doença cardíaca	readmission_60d		Total
	0	1	
1	7692 (95%)	413 (5%)	8105 (100%)
2	981 (93%)	70 (7%)	1051 (100%)
3	1053 (92%)	90 (8%)	1143 (100%)
4	1160 (93%)	91 (7%)	1251 (100%)
5	1648 (94%)	104 (6%)	1752 (100%)
6	324 (94%)	20 (6%)	344 (100%)
7	84 (94%)	5 (6%)	89 (100%)
8	25 (93%)	2 (7%)	27 (100%)
9	224 (91%)	22 (9%)	246 (100%)
NA	1669 (95%)	89 (5%)	1758 (100%)
Total	14860	906	15766

Table 138: Contingency table between readmission 60d and Doença cardíaca

readmission_60d	Doença cardíaca				Total
	0	1	2	NA	
0	8673 (95%)	1053 (92%)	3241 (94%)	1893 (94%)	14860
1	483 (5%)	90 (8%)	222 (6%)	111 (6%)	906
Total	9156 (100%)	1143 (100%)	3463 (100%)	2004 (100%)	15766

Table 139: Contingency table between readmission 60d and Classe funcional de IC (NYHA)

Classe funcional de IC (NYHA)	readmission_60d		Total
	0	1	
1	3196 (96%)	144 (4%)	3340 (100%)
2	2499 (94%)	156 (6%)	2655 (100%)
3	1088 (92%)	94 (8%)	1182 (100%)
4	151 (92%)	13 (8%)	164 (100%)
999	10 (100%)	0 (0%)	10 (100%)
NA	7916 (94%)	499 (6%)	8415 (100%)
Total	14860	906	15766

Table 140: Contingency table between readmission 60d and Classe funcional de IC (NYHA)

readmission_60d	Classe funcional de IC (NYHA)			Total
	1	2	NA	
0	5695 (95%)	1239 (92%)	7926 (94%)	14860
1	300 (5%)	107 (8%)	499 (6%)	906
Total	5995 (100%)	1346 (100%)	8425 (100%)	15766

Table 141: Contingency table between readmission 60d and Hipertensão arterial

readmission_60d	Hipertensão arterial		Total
	0	1	
0	11254 (94%)	3606 (94%)	14860
1	679 (6%)	227 (6%)	906
Total	11933 (100%)	3833 (100%)	15766

Table 142: Contingency table between readmission 60d and Infarto do miocárdio prévio / Doença arterial coronariana

readmission_60d	Infarto do miocárdio prévio / Doença arterial coronariana		Total
	0	1	
0	13535 (94%)	1325 (92%)	14860
1	788 (6%)	118 (8%)	906
Total	14323 (100%)	1443 (100%)	15766

Table 143: Contingency table between readmission 60d and Insuficiência cardíaca

readmission_60d	Insuficiência cardíaca		Total
	0	1	
0	9660 (95%)	5200 (92%)	14860
1	465 (5%)	441 (8%)	906
Total	10125 (100%)	5641 (100%)	15766

Table 144: Contingency table between readmission 60d and Fibrilação / flutter atrial

readmission_60d	Fibrilação / flutter atrial		Total
	0	1	
0	12646 (94%)	2214 (93%)	14860
1	737 (6%)	169 (7%)	906
Total	13383 (100%)	2383 (100%)	15766

Table 145: Contingency table between readmission 60d and Parada cardíaca prévia/ Taquicardia ventricular instável

readmission_60d	Parada cardíaca prévia/ Taquicardia ventricular instável		Total
	0	1	
0	13100 (94%)	1760 (93%)	14860
1	773 (6%)	133 (7%)	906
Total	13873 (100%)	1893 (100%)	15766

Table 146: Contingency table between readmission 60d and Transplante cardíaco prévio

readmission_60d	Transplante cardíaco prévio		Total
	0	1	
0	14852 (94%)	8 (67%)	14860
1	902 (6%)	4 (33%)	906
Total	15754 (100%)	12 (100%)	15766

Table 147: Contingency table between readmission 60d and Valvopatias/ Prótese valvares

readmission_60d	Valvopatias/ Prótese valvares		Total
	0	1	
0	13885 (94%)	975 (93%)	14860
1	827 (6%)	79 (7%)	906
Total	14712 (100%)	1054 (100%)	15766

Table 148: Contingency table between readmission 60d and Endocardite prévia

readmission_60d	Endocardite prévia		Total
	0	1	
0	14739 (94%)	121 (91%)	14860
1	894 (6%)	12 (9%)	906
Total	15633 (100%)	133 (100%)	15766

Table 149: Contingency table between readmission 60d and Diabetes melittus

readmission_60d	Diabetes melittus		Total
	0	1	
0	13118 (94%)	1742 (93%)	14860
1	772 (6%)	134 (7%)	906
Total	13890 (100%)	1876 (100%)	15766

Table 150: Contingency table between readmission 60d and Insuficiência renal crônica

readmission_60d	Insuficiência renal crônica		Total
	0	1	
0	14284 (94%)	576 (93%)	14860
1	862 (6%)	44 (7%)	906
Total	15146 (100%)	620 (100%)	15766

Table 151: Contingency table between readmission 60d and Hemodiálise

readmission_60d	Hemodiálise		Total
	0	1	
0	14845 (94%)	15 (79%)	14860
1	902 (6%)	4 (21%)	906
Total	15747 (100%)	19 (100%)	15766

Table 152: Contingency table between readmission 60d and Acidente Vascular Cerebral/ Acidente isquêmico transitório prévios

readmission_60d	Acidente Vascular Cerebral/ Acidente isquêmico transitório prévios		Total
	0	1	
0	14393 (94%)	467 (94%)	14860
1	874 (6%)	32 (6%)	906
Total	15267 (100%)	499 (100%)	15766

Table 153: Contingency table between readmission 60d and Doença pulmonar obstrutiva crônica

readmission_60d	Doença pulmonar obstrutiva crônica		Total
	0	1	
0	14662 (94%)	198 (93%)	14860
1	891 (6%)	15 (7%)	906
Total	15553 (100%)	213 (100%)	15766

Table 154: Contingency table between readmission 60d and Neoplasia em tratamento ou tratada recentemente (12 meses)

readmission_60d	Neoplasia em tratamento ou tratada recentemente (12 meses)		Total
	0	1	
0	14756 (94%)	104 (92%)	14860
1	897 (6%)	9 (8%)	906
Total	15653 (100%)	113 (100%)	15766

Table 155: Contingency table between readmission 60d and Tipo de Procedimento 1

readmission_60d	Tipo de Procedimento 1		Total
	1	2	
0	10163 (93%)	4697 (97%)	14860
1	749 (7%)	157 (3%)	906
Total	10912 (100%)	4854 (100%)	15766

Table 156: Contingency table between readmission 60d and Tipo de Reoperação 1

readmission_60d	Tipo de Reoperação 1				Total
	1	2	3	NA	
0	3809 (97%)	857 (94%)	31 (94%)	10163 (93%)	14860
1	103 (3%)	52 (6%)	2 (6%)	749 (7%)	906
Total	3912 (100%)	909 (100%)	33 (100%)	10912 (100%)	15766

Table 157: Contingency table between readmission 60d and Tipo de Procedimento 1 (merge: procedure type com reop type)

readmission_60d	Tipo de Procedimento 1 (merge: procedure type com reop type)				Total
	1	2	3	4	
0	10163 (93%)	3809 (97%)	857 (94%)	31 (94%)	14860
1	749 (7%)	103 (3%)	52 (6%)	2 (6%)	906
Total	10912 (100%)	3912 (100%)	909 (100%)	33 (100%)	15766

Table 158: Contingency table between readmission 60d and Tipo de Dispositivo ao final do procedimento 1

readmission_60d	Tipo de Dispositivo ao final do procedimento 1				Total
	1	2	3	4	
0	11703 (95%)	1614 (91%)	1144 (91%)	399 (90%)	14860
1	592 (5%)	158 (9%)	110 (9%)	46 (10%)	906
Total	12295 (100%)	1772 (100%)	1254 (100%)	445 (100%)	15766

Table 159: Contingency table between readmission 60d and Tipo de Dispositivo ao final do procedimento 1

readmission_60d	Tipo de Dispositivo ao final do procedimento 1		Total
	1	2	
0	13317 (95%)	1543 (91%)	14860
1	750 (5%)	156 (9%)	906
Total	14067 (100%)	1699 (100%)	15766

Table 160: Contingency table between readmission 60d and Óbito intraoperatório 1

readmission_60d	Óbito intraoperatório 1	
	0	Total
0	14860 (94%)	14860
1	906 (6%)	906
Total	15766 (100%)	15766

Table 161: Contingency table between readmission 60d and Tipo de Reoperação 2

readmission_60d	Tipo de Reoperação 2				Total
	1	2	3	NA	
0	3171 (97%)	1243 (84%)	76 (63%)	10370 (95%)	14860
1	88 (3%)	231 (16%)	45 (37%)	542 (5%)	906
Total	3259 (100%)	1474 (100%)	121 (100%)	10912 (100%)	15766

Table 162: Contingency table between readmission 60d and Tipo de Dispositivo ao final do procedimento 2

readmission_60d	Tipo de Dispositivo ao final do procedimento 2					Total
	1	2	3	4	NA	
0	3375 (93%)	583 (91%)	353 (91%)	181 (89%)	10368 (95%)	14860
1	248 (7%)	59 (9%)	34 (9%)	22 (11%)	543 (5%)	906
Total	3623 (100%)	642 (100%)	387 (100%)	203 (100%)	10911 (100%)	15766

Table 163: Contingency table between readmission 60d and Óbito intraoperatório 2

readmission_60d	Óbito intraoperatório 2		Total
	0	NA	
0	4496 (92%)	10364 (95%)	14860
1	365 (8%)	541 (5%)	906
Total	4861 (100%)	10905 (100%)	15766

Table 164: Contingency table between readmission 60d and Tipo de Reoperação 3

readmission_60d	Tipo de Reoperação 3				Total
	1	2	3	NA	
0	669 (93%)	506 (88%)	52 (84%)	13633 (95%)	14860
1	54 (7%)	72 (12%)	10 (16%)	770 (5%)	906
Total	723 (100%)	578 (100%)	62 (100%)	14403 (100%)	15766

Table 165: Contingency table between readmission 60d and Tipo de Dispositivo ao final do procedimento 3

readmission_60d	Tipo de Dispositivo ao final do procedimento 3					Total
	1	2	3	4	NA	
0	872 (90%)	219 (87%)	147 (92%)	88 (89%)	13534 (95%)	14860
1	94 (10%)	32 (13%)	13 (8%)	11 (11%)	756 (5%)	906
Total	966 (100%)	251 (100%)	160 (100%)	99 (100%)	14290 (100%)	15766

Table 166: Contingency table between readmission 60d and Óbito intraoperatório 3

readmission_60d	Óbito intraoperatório 3			Total
	0	1	NA	
0	1322 (90%)	4 (100%)	13534 (95%)	14860
1	151 (10%)	0 (0%)	755 (5%)	906
Total	1473 (100%)	4 (100%)	14289 (100%)	15766

Table 167: Contingency table between readmission 60d and Tipo de Reoperação 4

readmission_60d	Tipo de Reoperação 4				Total
	1	2	3	NA	
0	163 (85%)	220 (88%)	31 (94%)	14446 (94%)	14860
1	29 (15%)	31 (12%)	2 (6%)	844 (6%)	906
Total	192 (100%)	251 (100%)	33 (100%)	15290 (100%)	15766

Table 168: Contingency table between readmission 60d and Tipo de Dispositivo ao final do procedimento 4

readmission_60d	Tipo de Dispositivo ao final do procedimento 4					Total
	1	2	3	4	NA	
0	247 (86%)	97 (88%)	43 (96%)	36 (86%)	14437 (94%)	14860
1	41 (14%)	13 (12%)	2 (4%)	6 (14%)	844 (6%)	906
Total	288 (100%)	110 (100%)	45 (100%)	42 (100%)	15281 (100%)	15766

Table 169: Contingency table between readmission 60d and Óbito intraoperatório 4

readmission_60d	Óbito intraoperatório 4		Total
	0	NA	
0	423 (87%)	14437 (94%)	14860
1	62 (13%)	844 (6%)	906
Total	485 (100%)	15281 (100%)	15766

Table 170: Contingency table between readmission 60d and Tipo de Reoperação 5

readmission_60d	Tipo de Reoperação 5				Total
	1	2	3	NA	
0	63 (89%)	97 (92%)	12 (86%)	14688 (94%)	14860
1	8 (11%)	9 (8%)	2 (14%)	887 (6%)	906
Total	71 (100%)	106 (100%)	14 (100%)	15575 (100%)	15766

Table 171: Contingency table between readmission 60d and Tipo de Dispositivo ao final do procedimento 5

readmission_60d	Tipo de Dispositivo ao final do procedimento 5					Total
	1	2	3	4	NA	
0	88 (88%)	50 (89%)	21 (95%)	13 (100%)	14688 (94%)	14860
1	12 (12%)	6 (11%)	1 (5%)	0 (0%)	887 (6%)	906
Total	100 (100%)	56 (100%)	22 (100%)	13 (100%)	15575 (100%)	15766

Table 172: Contingency table between readmission 60d and Óbito intraoperatório 5

readmission_60d	Óbito intraoperatório 5		Total
	0	NA	
0	173 (90%)	14687 (94%)	14860
1	19 (10%)	887 (6%)	906
Total	192 (100%)	15574 (100%)	15766

Table 173: Contingency table between readmission 60d and Tipo de Reoperação 6

readmission_60d	Tipo de Reoperação 6				Total
	1	2	3	NA	
0	23 (88%)	42 (91%)	4 (67%)	14791 (94%)	14860
1	3 (12%)	4 (9%)	2 (33%)	897 (6%)	906
Total	26 (100%)	46 (100%)	6 (100%)	15688 (100%)	15766

Table 174: Contingency table between readmission 60d and Tipo de Dispositivo ao final do procedimento 6

readmission_60d	Tipo de Dispositivo ao final do procedimento 6					Total
	1	2	3	4	NA	
0	35 (88%)	21 (84%)	7 (100%)	9 (100%)	14788 (94%)	14860
1	5 (12%)	4 (16%)	0 (0%)	0 (0%)	897 (6%)	906
Total	40 (100%)	25 (100%)	7 (100%)	9 (100%)	15685 (100%)	15766

Table 175: Contingency table between readmission 60d and Óbito intraoperatório 6

readmission_60d	Óbito intraoperatório 6		Total
	0	NA	
0	72 (89%)	14788 (94%)	14860
1	9 (11%)	897 (6%)	906
Total	81 (100%)	15685 (100%)	15766

Table 176: Contingency table between readmission 60d and Tipo de Reoperação 7

readmission_60d	Tipo de Reoperação 7				Total
	1	2	3	NA	
0	10 (100%)	16 (89%)	2 (50%)	14832 (94%)	14860
1	0 (0%)	2 (11%)	2 (50%)	902 (6%)	906
Total	10 (100%)	18 (100%)	4 (100%)	15734 (100%)	15766

Table 177: Contingency table between readmission 60d and Tipo de Dispositivo ao final do procedimento 7

readmission_60d	Tipo de Dispositivo ao final do procedimento 7					Total
	1	2	3	4	NA	
0	12 (92%)	11 (85%)	1 (100%)	3 (75%)	14833 (94%)	14860
1	1 (8%)	2 (15%)	0 (0%)	1 (25%)	902 (6%)	906
Total	13 (100%)	13 (100%)	1 (100%)	4 (100%)	15735 (100%)	15766

Table 178: Contingency table between readmission 60d and Óbito intraoperatório 7

readmission_60d	Óbito intraoperatório 7		Total
	0	NA	
0	28 (88%)	14832 (94%)	14860
1	4 (12%)	902 (6%)	906
Total	32 (100%)	15734 (100%)	15766

Table 179: Contingency table between readmission 60d and Tipo de Reoperação 8

readmission_60d	Tipo de Reoperação 8			Total
	1	2	NA	
0	3 (100%)	9 (100%)	14848 (94%)	14860
1	0 (0%)	0 (0%)	906 (6%)	906
Total	3 (100%)	9 (100%)	15754 (100%)	15766

Table 180: Contingency table between readmission 60d and Tipo de Dispositivo ao final do procedimento 8

readmission_60d	Tipo de Dispositivo ao final do procedimento 8				Total
	1	2	4	NA	
0	7 (100%)	4 (100%)	1 (100%)	14848 (94%)	14860
1	0 (0%)	0 (0%)	0 (0%)	906 (6%)	906
Total	7 (100%)	4 (100%)	1 (100%)	15754 (100%)	15766

Table 181: Contingency table between readmission 60d and Óbito intraoperatório 8

readmission_60d	Óbito intraoperatório 8		Total
	0	NA	
0	12 (100%)	14848 (94%)	14860
1	0 (0%)	906 (6%)	906
Total	12 (100%)	15754 (100%)	15766

Table 182: Contingency table between readmission 60d and Tipo de Reoperação 9

readmission_60d	Tipo de Reoperação 9		Total
	2	NA	
0	5 (100%)	14855 (94%)	14860
1	0 (0%)	906 (6%)	906
Total	5 (100%)	15761 (100%)	15766

Table 183: Contingency table between readmission 60d and Tipo de Dispositivo ao final do procedimento 9

readmission_60d	Tipo de Dispositivo ao final do procedimento 9			Total
	1	2	NA	
0	3 (100%)	2 (100%)	14855 (94%)	14860
1	0 (0%)	0 (0%)	906 (6%)	906
Total	3 (100%)	2 (100%)	15761 (100%)	15766

Table 184: Contingency table between readmission 60d and Óbito intraoperatório 9

readmission_60d	Óbito intraoperatório 9		Total
	0	NA	
0	5 (100%)	14855 (94%)	14860
1	0 (0%)	906 (6%)	906
Total	5 (100%)	15761 (100%)	15766

Table 185: Contingency table between readmission 60d and Tipo de Reoperação 10

readmission_60d	Tipo de Reoperação 10		Total
	2	NA	
0	1 (100%)	14859 (94%)	14860
1	0 (0%)	906 (6%)	906
Total	1 (100%)	15765 (100%)	15766

Table 186: Contingency table between readmission 60d and Tipo de Dispositivo ao final do procedimento 10

readmission_60d	Tipo de Dispositivo ao final do procedimento 10		Total
	2	NA	
0	1 (100%)	14859 (94%)	14860
1	0 (0%)	906 (6%)	906
Total	1 (100%)	15765 (100%)	15766

Table 187: Contingency table between readmission 60d and Óbito intraoperatório 10

readmission_60d	Óbito intraoperatório 10		Total
	0	NA	
0	1 (100%)	14859 (94%)	14860
1	0 (0%)	906 (6%)	906
Total	1 (100%)	15765 (100%)	15766

Table 188: Contingency table between readmission 60d and Mudança do tipo de DCEI: entre o Procedimento 1 e Procedimento 2

readmission_60d	Mudança do tipo de DCEI: entre o Procedimento 1 e Procedimento 2			Total
	0	1	NA	
0	4230 (92%)	262 (94%)	10368 (95%)	14860
1	346 (8%)	17 (6%)	543 (5%)	906
Total	4576 (100%)	279 (100%)	10911 (100%)	15766

Table 189: Contingency table between readmission 60d and Mudança do tipo de DCEI: entre o Procedimento 2 e Procedimento 3

readmission_60d	Mudança do tipo de DCEI: entre o Procedimento 2 e Procedimento 3			Total
	0	1	NA	
0	1245 (90%)	81 (86%)	13534 (95%)	14860
1	137 (10%)	13 (14%)	756 (5%)	906
Total	1382 (100%)	94 (100%)	14290 (100%)	15766

Table 190: Contingency table between readmission 60d and Mudança do tipo de DCEI: entre o Procedimento 3 e Procedimento 4

readmission_60d	Mudança do tipo de DCEI: entre o Procedimento 3 e Procedimento 4			Total
	0	1	NA	
0	400 (88%)	23 (82%)	14437 (94%)	14860
1	57 (12%)	5 (18%)	844 (6%)	906
Total	457 (100%)	28 (100%)	15281 (100%)	15766

Table 191: Contingency table between readmission 60d and Mudança do tipo de DCEI: entre o Procedimento 4 e Procedimento 5

readmission_60d	Mudança do tipo de DCEI: entre o Procedimento 4 e Procedimento 5			Total
	0	1	NA	
0	163 (90%)	9 (100%)	14688 (94%)	14860
1	19 (10%)	0 (0%)	887 (6%)	906
Total	182 (100%)	9 (100%)	15575 (100%)	15766

Table 192: Contingency table between readmission 60d and Mudança do tipo de DCEI: entre o Procedimento 5 e Procedimento 6

readmission_60d	Mudança do tipo de DCEI: entre o Procedimento 5 e Procedimento 6			Total
	0	1	NA	
0	65 (88%)	7 (100%)	14788 (94%)	14860
1	9 (12%)	0 (0%)	897 (6%)	906
Total	74 (100%)	7 (100%)	15685 (100%)	15766

Table 193: Contingency table between readmission 60d and Mudança do tipo de DCEI: entre o Procedimento 6 e Procedimento 7

readmission_60d	Mudança do tipo de DCEI: entre o Procedimento 6 e Procedimento 7			Total
	0	1	NA	
0	25 (89%)	2 (67%)	14833 (94%)	14860
1	3 (11%)	1 (33%)	902 (6%)	906
Total	28 (100%)	3 (100%)	15735 (100%)	15766

Table 194: Contingency table between readmission 60d and Mudança do tipo de DCEI: entre o Procedimento 7 e Procedimento 8

readmission_60d	Mudança do tipo de DCEI: entre o Procedimento 7 e Procedimento 8			Total
	0	1	NA	
0	11 (100%)	1 (100%)	14848 (94%)	14860
1	0 (0%)	0 (0%)	906 (6%)	906
Total	11 (100%)	1 (100%)	15754 (100%)	15766

Table 195: Contingency table between readmission 60d and Mudança do tipo de DCEI: entre o Procedimento 8 e Procedimento 9

readmission_60d	Mudança do tipo de DCEI: entre o Procedimento 8 e Procedimento 9			Total
	0		NA	
0	5 (100%)		14855 (94%)	14860
1	0 (0%)		906 (6%)	906
Total	5 (100%)		15761 (100%)	15766

Table 196: Contingency table between readmission 60d and Mudança do tipo de DCEI: entre o Procedimento 9 e Procedimento 10

readmission_60d	Mudança do tipo de DCEI: entre o Procedimento 9 e Procedimento 10			Total
	0		NA	
0	1 (100%)		14859 (94%)	14860
1	0 (0%)		906 (6%)	906
Total	1 (100%)		15765 (100%)	15766

Table 197: Contingency table between readmission 60d and Diálise durante os episódios de hospitalização

readmission_60d	Diálise durante os episódios de hospitalização		Total
	0	1	
0	14825 (94%)	35 (80%)	14860
1	897 (6%)	9 (20%)	906
Total	15722 (100%)	44 (100%)	15766

Table 198: Contingency table between readmission 60d and UTI durante os episódios de hospitalização

readmission_60d	UTI durante os episódios de hospitalização		Total
	0	1	
0	11981 (95%)	2879 (90%)	14860
1	574 (5%)	332 (10%)	906
Total	12555 (100%)	3211 (100%)	15766

Table 199: Contingency table between readmission 60d and Admissão em até 180 dias antes da T0

readmission_60d	Admissão em até 180 dias antes da T0		Total
	0	1	
0	13927 (95%)	933 (87%)	14860
1	769 (5%)	137 (13%)	906
Total	14696 (100%)	1070 (100%)	15766

Table 200: Contingency table between readmission 60d and Readmissões pós-T0 com diárias de UTI

Readmissões pós-T0 com diárias de UTI	readmission_60d		Total
	0	1	
0	14463 (95%)	807 (5%)	15270 (100%)
1	361 (80%)	91 (20%)	452 (100%)
2	30 (86%)	5 (14%)	35 (100%)
3	3 (60%)	2 (40%)	5 (100%)
4	2 (100%)	0 (0%)	2 (100%)
5	1 (100%)	0 (0%)	1 (100%)
7	0 (0%)	1 (100%)	1 (100%)
Total	14860	906	15766

Table 201: Contingency table between readmission 60d and Readmissões pós-T0 com diálise

readmission_60d	Readmissões pós-T0 com diálise				Total
	0	1	2	3	
0	14840 (94%)	18 (95%)	2 (100%)	0 (0%)	14860
1	904 (6%)	1 (5%)	0 (0%)	1 (100%)	906
Total	15744 (100%)	19 (100%)	2 (100%)	1 (100%)	15766

Table 202: Contingency table between readmission 60d and Desfecho principal da admissão T0

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

Table 203: Contingency table between readmission 60d and Readmissão em até 30 dias

readmission_60d	Readmissão em até 30 dias		Total
	0	1	
0	14860 (98%)	0 (0%)	14860
1	303 (2%)	603 (100%)	906
Total	15163 (100%)	603 (100%)	15766

Table 204: Contingency table between readmission 60d and Readmissão em até 60 dias

readmission_60d	Readmissão em até 60 dias		Total
	0	1	
0	14860 (100%)	0 (0%)	14860
1	0 (0%)	906 (100%)	906
Total	14860 (100%)	906 (100%)	15766

Table 205: Contingency table between readmission 60d and Readmissão em até 180 dias

readmission_60d	Readmissão em até 180 dias		Total
	0	1	
0	14277 (100%)	583 (39%)	14860
1	0 (0%)	906 (61%)	906
Total	14277 (100%)	1489 (100%)	15766

Table 206: Contingency table between readmission 60d and Readmissão em até 1 ano

readmission_60d	Readmissão em até 1 ano		Total
	0	1	
0	13754 (100%)	1106 (55%)	14860
1	0 (0%)	906 (45%)	906
Total	13754 (100%)	2012 (100%)	15766

Table 207: Contingency table between readmission 60d and Readmissão cirúrgica em até 30 dias

readmission_60d	Readmissão cirúrgica em até 30 dias		Total
	0	1	
0	14860 (95%)	0 (0%)	14860
1	769 (5%)	137 (100%)	906
Total	15629 (100%)	137 (100%)	15766

Table 208: Contingency table between readmission 60d and Readmissão cirúrgica entre 31 a 60 dias

readmission_60d	Readmissão cirúrgica entre 31 a 60 dias		Total
	0	1	
0	14860 (95%)	0 (0%)	14860
1	813 (5%)	93 (100%)	906
Total	15673 (100%)	93 (100%)	15766

Table 209: Contingency table between readmission 60d and Readmissão cirúrgica entre 61 a 180 dias

readmission_60d	Readmissão cirúrgica entre 61 a 180 dias		Total
	0	1	
0	14727 (94%)	133 (89%)	14860
1	890 (6%)	16 (11%)	906
Total	15617 (100%)	149 (100%)	15766

Table 210: Contingency table between readmission 60d and Readmissão cirúrgica em até 1 ano

readmission_60d	Readmissão cirúrgica em até 1 ano		Total
	0	1	
0	14745 (94%)	115 (87%)	14860
1	889 (6%)	17 (13%)	906
Total	15634 (100%)	132 (100%)	15766

Table 211: Contingency table between readmission 60d and Desfecho final do estudo

readmission_60d	Desfecho final do estudo			Total
	1	2	3	
0	2234 (88%)	7403 (96%)	5223 (95%)	14860
1	307 (12%)	325 (4%)	274 (5%)	906
Total	2541 (100%)	7728 (100%)	5497 (100%)	15766

Table 212: Contingency table between readmission 60d and Óbito intraoperatório

readmission_60d	Óbito intraoperatório		Total
	0	1	
0	14856 (94%)	4 (100%)	14860
1	906 (6%)	0 (0%)	906
Total	15762 (100%)	4 (100%)	15766

Table 213: Contingency table between readmission 60d and Óbito hospitalar (intraoperatório ou admissao T0)

readmission_60d	Óbito hospitalar (intraoperatório ou admissao T0)		Total
	0	1	
0	14856 (94%)	4 (100%)	14860
1	906 (6%)	0 (0%)	906
Total	15762 (100%)	4 (100%)	15766

Table 214: Contingency table between readmission 60d and Óbito durante algum episódio de readmissão hospitalar

readmission_60d	Óbito durante algum episódio de readmissão hospitalar		Total
	0	1	
0	13816 (96%)	1044 (80%)	14860
1	646 (4%)	260 (20%)	906
Total	14462 (100%)	1304 (100%)	15766

Table 215: Contingency table between readmission 60d and Óbito em até 30 dias após a alta T0

readmission_60d	Óbito em até 30 dias após a alta T0		Total
	0	1	
0	14831 (94%)	29 (41%)	14860
1	864 (6%)	42 (59%)	906
Total	15695 (100%)	71 (100%)	15766

Table 216: Contingency table between readmission 60d and Óbito em até 180 dias após a alta T0

readmission_60d	Óbito em até 180 dias após a alta T0		Total
	0	1	
0	14689 (95%)	171 (52%)	14860
1	747 (5%)	159 (48%)	906
Total	15436 (100%)	330 (100%)	15766

Table 217: Contingency table between readmission 60d and Óbito em até 1 ano após a alta T0

readmission_60d	Óbito em até 1 ano após a alta T0		Total
	0	1	
0	14533 (95%)	327 (63%)	14860
1	716 (5%)	190 (37%)	906
Total	15249 (100%)	517 (100%)	15766

Table 218: Contingency table between readmission 60d and Óbito em até 2 anos após a alta T0

readmission_60d	Óbito em até 2 anos após a alta T0		Total
	0	1	
0	14319 (95%)	541 (72%)	14860
1	692 (5%)	214 (28%)	906
Total	15011 (100%)	755 (100%)	15766

Table 219: Contingency table between readmission 60d and Óbito em até 3 anos após a alta T0

readmission_60d	Óbito em até 3 anos após a alta T0		Total
	0	1	
0	14172 (95%)	688 (75%)	14860
1	681 (5%)	225 (25%)	906
Total	14853 (100%)	913 (100%)	15766

Table 220: Contingency table between readmission 60d and Óbito (status final)

readmission_60d	Óbito (status final)		Total
	0	1	
0	12626 (95%)	2234 (88%)	14860
1	599 (5%)	307 (12%)	906
Total	13225 (100%)	2541 (100%)	15766

Table 221: Contingency table between readmission 60d and Causa do óbito

Causa do óbito	readmission_60d		Total
	0	1	
1	256 (88%)	36 (12%)	292 (100%)
2	8 (100%)	0 (0%)	8 (100%)
3	23 (74%)	8 (26%)	31 (100%)
4	62 (82%)	14 (18%)	76 (100%)
5	155 (95%)	8 (5%)	163 (100%)
777	29 (94%)	2 (6%)	31 (100%)
888	23 (79%)	6 (21%)	29 (100%)
999	1678 (88%)	233 (12%)	1911 (100%)
NA	12626 (95%)	599 (5%)	13225 (100%)
Total	14860	906	15766

Table 222: Contingency table between readmission 60d and Ventilação mecânica / IOT

readmission_60d	Ventilação mecânica / IOT		Total
	1	NA	
0	2597 (91%)	12263 (95%)	14860
1	252 (9%)	654 (5%)	906
Total	2849 (100%)	12917 (100%)	15766

Table 223: Contingency table between readmission 60d and Transplante cardíaco

readmission_60d	Transplante cardíaco			Total
	0	1	NA	
0	12252 (94%)	11 (52%)	2597 (95%)	14860
1	759 (6%)	10 (48%)	137 (5%)	906
Total	13011 (100%)	21 (100%)	2734 (100%)	15766