# Tables

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## Imports

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

## Loading data

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

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

outcome_column <- params$outcome_column
```

## Numerical variables

```
medianWithoutNA <- function(x) {
   median(x[which(!is.na(x))])
}
i = 0
for (column in columns_list$numerical_columns[60:140]){
  print(column)
  df %>%
    group_by_at(vars(one_of(outcome_column))) %>%
    summarise('Mean' = mean(!!sym(column), na.rm = T),
              'Min' = min(!!sym(column), na.rm = T),
              'Median' = medianWithoutNA(!!sym(column)),
              'Max' = max(!!sym(column), na.rm = T),
              'Standard Deviation' = sd(!!sym(column), na.rm = T),
              'N' = n(),
              'Missing' = sum(is.na(!!sym(column)))) %>%
    ungroup %>%
    mutate(Min = ifelse(is.infinite(Min), NA, Min),
           Max = ifelse(is.infinite(Max), NA, Max)) %>%
    kbl(align = "l", booktabs = T, digits = 3, format = 'latex', label = i,
        caption = df_names %>% filter(variable.name == column) %>% .$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
}
```

[1] “antiarritmico”

Table 1: Antiarritmicos

| readmission_180d | Mean | Min | Median | Max | Standard Deviation | N | Missing |
|---|---|---|---|---|---|---|---|
| **0** | 3.559 | 0 | 0 | 575 | 18.316 | 14535 | 3214 |
| **1** | 10.945 | 0 | 0 | 844 | 39.162 | 1489 | 305 |

[1] “antihipertensivo”

Table 2: Antihipertensivo

| readmission_180d | Mean | Min | Median | Max | Standard Deviation | N | Missing |
|---|---|---|---|---|---|---|---|
| **0** | 0.471 | 0 | 0 | 349 | 5.416 | 14535 | 3214 |
| **1** | 0.811 | 0 | 0 | 160 | 6.912 | 1489 | 305 |

[1] “betabloqueador”

Table 3: Betabloqueador

| readmission_180d | Mean | Min | Median | Max | Standard Deviation | N | Missing |
|---|---|---|---|---|---|---|---|
| **0** | 0.969 | 0 | 0 | 388 | 7.336 | 14535 | 3214 |
| **1** | 2.463 | 0 | 0 | 238 | 13.269 | 1489 | 305 |

[1] “ieca_bra”

Table 4: IECA/BRA

| readmission_180d | Mean | Min | Median | Max | Standard Deviation | N | Missing |
|---|---|---|---|---|---|---|---|
| **0** | 8.501 | 0 | 2 | 773 | 21.477 | 14535 | 3214 |
| **1** | 14.392 | 0 | 4 | 332 | 29.424 | 1489 | 305 |

[1] “dva”

Table 5: DVA

| readmission_180d | Mean | Min | Median | Max | Standard Deviation | N | Missing |
|---|---|---|---|---|---|---|---|
| **0** | 6.923 | 0 | 0 | 1917 | 45.895 | 14535 | 3214 |
| **1** | 14.180 | 0 | 0 | 1044 | 57.279 | 1489 | 305 |

[1] “digoxina”

Table 6: Digoxina

| readmission_180d | Mean | Min | Median | Max | Standard Deviation | N | Missing |
|---|---|---|---|---|---|---|---|
| **0** | 0.204 | 0 | 0 | 50 | 1.498 | 14535 | 3214 |
| **1** | 0.557 | 0 | 0 | 47 | 2.897 | 1489 | 305 |

[1] “estatina”

Table 7: Estatinas

| readmission_180d | Mean | Min | Median | Max | Standard Deviation | N | Missing |
|---|---|---|---|---|---|---|---|
| **0** | 4.798 | 0 | 0 | 421 | 15.740 | 14535 | 3214 |
| **1** | 10.002 | 0 | 0 | 413 | 26.834 | 1489 | 305 |

[1] “diuretico”

Table 8: Diuretico

| readmission_180d | Mean | Min | Median | Max | Standard Deviation | N | Missing |
|---|---|---|---|---|---|---|---|
| **0** | 10.331 | 0 | 0 | 2966 | 65.265 | 14535 | 3214 |
| **1** | 26.176 | 0 | 2 | 1290 | 105.087 | 1489 | 305 |

[1] “vasodilatador”

Table 9: Vasodilator

| readmission_180d | Mean | Min | Median | Max | Standard Deviation | N | Missing |
|---|---|---|---|---|---|---|---|
| **0** | 8.638 | 0 | 0 | 3820.5 | 57.626 | 14535 | 3214 |
| **1** | 26.732 | 0 | 0 | 2408.0 | 109.432 | 1489 | 305 |

[1] “insuf_cardiaca”

Table 10: Insuficiência cardíaca (ivabradina, levosimedan, milrinona, nesiritida, carvedilol)

| readmission_180d | Mean | Min | Median | Max | Standard Deviation | N | Missing |
|---|---|---|---|---|---|---|---|
| **0** | 4.078 | 0 | 0 | 426 | 15.553 | 14535 | 3214 |
| **1** | 10.167 | 0 | 0 | 453 | 27.594 | 1489 | 305 |

[1] “espironolactona”

Table 11: Antagonista da Aldosterona (espironolactona)

| readmission_180d | Mean | Min | Median | Max | Standard Deviation | N | Missing |
|---|---|---|---|---|---|---|---|
| **0** | 1.846 | 0 | 0 | 255 | 7.498 | 14535 | 3214 |
| **1** | 5.117 | 0 | 0 | 141 | 13.849 | 1489 | 305 |

[1] “bloq_calcio”

Table 12: Bloqueador do canal de calcio

| readmission_180d | Mean | Min | Median | Max | Standard Deviation | N | Missing |
|---|---|---|---|---|---|---|---|
| **0** | 0.364 | 0 | 0 | 509 | 6.915 | 14535 | 3214 |
| **1** | 3.184 | 0 | 0 | 370 | 22.690 | 1489 | 305 |

[1] “trombolitico”

Table 13: Trombolitico

| readmission_180d | Mean | Min | Median | Max | Standard Deviation | N | Missing |
|---|---|---|---|---|---|---|---|
| **0** | 0.001 | 0 | 0 | 3 | 0.048 | 14535 | 3214 |
| **1** | 0.002 | 0 | 0 | 1 | 0.041 | 1489 | 305 |

[1] “antiplaquetario_vo”

Table 14: Antiplaquetario VO

| readmission_180d | Mean | Min | Median | Max | Standard Deviation | N | Missing |
|---|---|---|---|---|---|---|---|
| **0** | 0 | 0 | 0 | 0 | 0 | 14535 | 3214 |
| **1** | 0 | 0 | 0 | 0 | 0 | 1489 | 305 |

[1] “antiplaquetario_ev”

Table 15: Antiplaquetario EV

| readmission_180d | Mean | Min | Median | Max | Standard Deviation | N | Missing |
|---|---|---|---|---|---|---|---|
| **0** | 0.009 | 0 | 0 | 8 | 0.165 | 14535 | 3214 |
| **1** | 0.032 | 0 | 0 | 5 | 0.277 | 1489 | 305 |

[1] “insulina”

Table 16: Insulina

| readmission_180d | Mean | Min | Median | Max | Standard Deviation | N | Missing |
|---|---|---|---|---|---|---|---|
| **0** | 0.097 | 0 | 0 | 16 | 0.489 | 14535 | 3214 |
| **1** | 0.160 | 0 | 0 | 7 | 0.609 | 1489 | 305 |

[1] “hipoglicemiante”

Table 17: Hipoglicemiante

| readmission_180d | Mean | Min | Median | Max | Standard Deviation | N | Missing |
|---|---|---|---|---|---|---|---|
| **0** | 0.327 | 0 | 0 | 79 | 2.517 | 14535 | 3214 |
| **1** | 0.606 | 0 | 0 | 90 | 4.819 | 1489 | 305 |

[1] “hormonio_tireoidiano”

Table 18: Hormonio tireoidiano

| readmission_180d | Mean | Min | Median | Max | Standard Deviation | N | Missing |
|---|---|---|---|---|---|---|---|
| **0** | 0 | 0 | 0 | 0 | 0 | 14535 | 3214 |
| **1** | 0 | 0 | 0 | 0 | 0 | 1489 | 305 |

[1] “broncodilatador”

Table 19: Broncodiltador

| readmission_180d | Mean | Min | Median | Max | Standard Deviation | N | Missing |
|---|---|---|---|---|---|---|---|
| **0** | 0 | 0 | 0 | 0 | 0 | 14535 | 3214 |
| **1** | 0 | 0 | 0 | 0 | 0 | 1489 | 305 |

[1] “anticonvulsivante”

Table 20: Anticonvulsivante

| readmission_180d | Mean | Min | Median | Max | Standard Deviation | N | Missing |
|---|---|---|---|---|---|---|---|
| **0** | 0.794 | 0 | 0 | 334 | 8.922 | 14535 | 3214 |
| **1** | 3.427 | 0 | 0 | 390 | 25.668 | 1489 | 305 |

[1] “psicofarmacos”

Table 21: Psicofármacos (Ansiolítico/ antidepressivo/ antipsicótico)

| readmission_180d | Mean | Min | Median | Max | Standard Deviation | N | Missing |
|---|---|---|---|---|---|---|---|
| **0** | 3.606 | 0 | 0 | 573 | 13.727 | 14535 | 3214 |
| **1** | 8.323 | 0 | 1 | 251 | 21.607 | 1489 | 305 |

[1] “atb”

Table 22: Antibióticos

| readmission_180d | Mean | Min | Median | Max | Standard Deviation | N | Missing |
|---|---|---|---|---|---|---|---|
| **0** | 14.078 | 0 | 4 | 1812 | 61.480 | 14535 | 3214 |
| **1** | 25.164 | 0 | 4 | 1459 | 82.015 | 1489 | 305 |

[1] “antifungico”

Table 23: Antifúngicos

| readmission_180d | Mean | Min | Median | Max | Standard Deviation | N | Missing |
|---|---|---|---|---|---|---|---|
| **0** | 0.415 | 0 | 0 | 122 | 4.290 | 14535 | 3214 |
| **1** | 0.812 | 0 | 0 | 99 | 5.316 | 1489 | 305 |

[1] “antiviral”

Table 24: Antiviral

| readmission_180d | Mean | Min | Median | Max | Standard Deviation | N | Missing |
|---|---|---|---|---|---|---|---|
| **0** | 0.055 | 0 | 0 | 86 | 1.590 | 14535 | 3214 |
| **1** | 0.763 | 0 | 0 | 131 | 7.381 | 1489 | 305 |

[1] “antiretroviral”

Table 25: Antiretroviral

| readmission_180d | Mean | Min | Median | Max | Standard Deviation | N | Missing |
|---|---|---|---|---|---|---|---|
| **0** | 0.007 | 0 | 0 | 32 | 0.424 | 14535 | 3214 |
| **1** | 0.023 | 0 | 0 | 20 | 0.599 | 1489 | 305 |

[1] “classe_meds_qtde”

Table 26: Quantidade de classes medicamentosas utilizadas

| readmission_180d | Mean | Min | Median | Max | Standard Deviation | N | Missing |
|---|---|---|---|---|---|---|---|
| **0** | 4.656 | 1 | 4 | 17 | 2.503 | 14535 | 4565 |
| **1** | 6.263 | 1 | 6 | 16 | 2.900 | 1489 | 449 |

[1] “classe_meds_cardio_qtde”

Table 27: Quantidade de classes medicamentosas de ação cardiovascular

| readmission_180d | Mean | Min | Median | Max | Standard Deviation | N | Missing |
|---|---|---|---|---|---|---|---|
| **0** | 3.048 | 1 | 3 | 10 | 1.730 | 14535 | 6090 |
| **1** | 4.008 | 1 | 4 | 10 | 2.021 | 1489 | 505 |

[1] “meds_cardiovasc_qtde”

Table 28: Quantidade de medicamentos de ação cardiovascular

| readmission_180d | Mean | Min | Median | Max | Standard Deviation | N | Missing |
|---|---|---|---|---|---|---|---|
| **0** | 45.885 | 0 | 9.00 | 8738 | 165.793 | 14535 | 3214 |
| **1** | 114.723 | 0 | 25.75 | 5140 | 281.745 | 1489 | 305 |

[1] “meds_antimicrobianos”

Table 29: Quantidade de antimicrobianos (antibióticos e antifúngicos)

| readmission_180d | Mean | Min | Median | Max | Standard Deviation | N | Missing |
|---|---|---|---|---|---|---|---|
| **0** | 14.492 | 0 | 4 | 1812 | 63.151 | 14535 | 3214 |
| **1** | 25.976 | 0 | 4 | 1459 | 84.386 | 1489 | 305 |

[1] “vni”

Table 30: Ventilação não invasiva

| readmission_180d | Mean | Min | Median | Max | Standard Deviation | N | Missing |
|---|---|---|---|---|---|---|---|
| **0** | 0.053 | 0 | 0 | 114 | 1.629 | 14535 | 2533 |
| **1** | 0.000 | 0 | 0 | 0 | 0.000 | 1489 | 233 |

[1] “cec”

Table 31: Instalação de CEC

| readmission_180d | Mean | Min | Median | Max | Standard Deviation | N | Missing |
|---|---|---|---|---|---|---|---|
| **0** | 0.011 | 0 | 0 | 2 | 0.108 | 14535 | 2533 |
| **1** | 0.027 | 0 | 0 | 1 | 0.162 | 1489 | 233 |

[1] “cir_cardiovascular”

Table 32: Cirurgia Cardiovascular

| readmission_180d | Mean | Min | Median | Max | Standard Deviation | N | Missing |
|---|---|---|---|---|---|---|---|
| **0** | 0.058 | 0 | 0 | 9 | 0.379 | 14535 | 2533 |
| **1** | 0.073 | 0 | 0 | 6 | 0.463 | 1489 | 233 |

[1] “transplante_cardiaco”

Table 33: Transplante cardíaco

| readmission_180d | Mean | Min | Median | Max | Standard Deviation | N | Missing |
|---|---|---|---|---|---|---|---|
| **0** | 0.000 | 0 | 0 | 1 | 0.018 | 14535 | 2533 |
| **1** | 0.014 | 0 | 0 | 1 | 0.119 | 1489 | 233 |

[1] “cir_toracica”

Table 34: Cirurgia Toracica

| readmission_180d | Mean | Min | Median | Max | Standard Deviation | N | Missing |
|---|---|---|---|---|---|---|---|
| **0** | 0.004 | 0 | 0 | 9 | 0.106 | 14535 | 2533 |
| **1** | 0.006 | 0 | 0 | 2 | 0.105 | 1489 | 233 |

[1] “outros_proced_cirurgicos”

Table 35: Outros procedimentos cirúrgicos (cir geral, gastrocir, plástica, uro, vascular)

| readmission_180d | Mean | Min | Median | Max | Standard Deviation | N | Missing |
|---|---|---|---|---|---|---|---|
| **0** | 0.108 | 0 | 0 | 22 | 0.560 | 14535 | 2533 |
| **1** | 0.201 | 0 | 0 | 9 | 0.761 | 1489 | 233 |

[1] “traqueostomia”

Table 36: Traqueostomia

| readmission_180d | Mean | Min | Median | Max | Standard Deviation | N | Missing |
|---|---|---|---|---|---|---|---|
| **0** | 0.002 | 0 | 0 | 8 | 0.094 | 14535 | 2533 |
| **1** | 0.001 | 0 | 0 | 1 | 0.028 | 1489 | 233 |

[1] “icp”

Table 37: Intervenção coronária percutânea

| readmission_180d | Mean | Min | Median | Max | Standard Deviation | N | Missing |
|---|---|---|---|---|---|---|---|
| **0** | 0.010 | 0 | 0 | 4 | 0.123 | 14535 | 2533 |
| **1** | 0.029 | 0 | 0 | 4 | 0.243 | 1489 | 233 |

[1] “intervencao_cv”

Table 38: Intervenção cardiovascular em laboratório de hemodinâmica (alcoolização septal, valvoplastia percutânea, stent em vasos pulmonares)

| readmission_180d | Mean | Min | Median | Max | Standard Deviation | N | Missing |
|---|---|---|---|---|---|---|---|
| **0** | 0.007 | 0 | 0 | 3 | 0.115 | 14535 | 2533 |
| **1** | 0.011 | 0 | 0 | 2 | 0.126 | 1489 | 233 |

[1] “stent”

Table 39: Stent

| readmission_180d | Mean | Min | Median | Max | Standard Deviation | N | Missing |
|---|---|---|---|---|---|---|---|
| **0** | 0 | 0 | 0 | 1 | 0.009 | 14535 | 2533 |
| **1** | 0 | 0 | 0 | 0 | 0.000 | 1489 | 233 |

[1] “angioplastia”

Table 40: Angioplastia

| readmission_180d | Mean | Min | Median | Max | Standard Deviation | N | Missing |
|---|---|---|---|---|---|---|---|
| **0** | 0.001 | 0 | 0 | 2 | 0.041 | 14535 | 2533 |
| **1** | 0.003 | 0 | 0 | 1 | 0.056 | 1489 | 233 |

[1] “cateterismo”

Table 41: Cateterismo

| readmission_180d | Mean | Min | Median | Max | Standard Deviation | N | Missing |
|---|---|---|---|---|---|---|---|
| **0** | 0.115 | 0 | 0 | 4 | 0.386 | 14535 | 2533 |
| **1** | 0.233 | 0 | 0 | 7 | 0.576 | 1489 | 233 |

[1] “eletrofisiologia”

Table 42: Eletrofisiologia

| readmission_180d | Mean | Min | Median | Max | Standard Deviation | N | Missing |
|---|---|---|---|---|---|---|---|
| **0** | 0.075 | 0 | 0 | 11 | 0.454 | 14535 | 2533 |
| **1** | 0.157 | 0 | 0 | 7 | 0.660 | 1489 | 233 |

[1] “suporte_hemod”

Table 43: Suporte cardiocirculatório (ECMO, BIA, Bio-PUMP)

| readmission_180d | Mean | Min | Median | Max | Standard Deviation | N | Missing |
|---|---|---|---|---|---|---|---|
| **0** | 0.049 | 0 | 0 | 152 | 2.076 | 14535 | 2533 |
| **1** | 0.877 | 0 | 0 | 535 | 16.923 | 1489 | 233 |

[1] “cateter_venoso_central”

Table 44: Cateter venoso central

| readmission_180d | Mean | Min | Median | Max | Standard Deviation | N | Missing |
|---|---|---|---|---|---|---|---|
| **0** | 0.025 | 0 | 0 | 5 | 0.189 | 14535 | 2533 |
| **1** | 0.084 | 0 | 0 | 4 | 0.380 | 1489 | 233 |

[1] “drenagem_torax”

Table 45: Drenagem de tórax (instalação /troca) e punção pericárdica ou pleural

| readmission_180d | Mean | Min | Median | Max | Standard Deviation | N | Missing |
|---|---|---|---|---|---|---|---|
| **0** | 0.007 | 0 | 0 | 6 | 0.123 | 14535 | 2533 |
| **1** | 0.005 | 0 | 0 | 4 | 0.120 | 1489 | 233 |

[1] “proced_invasivos_qtde”

Table 46: Quantidade de procedimentos invasivos

| readmission_180d | Mean | Min | Median | Max | Standard Deviation | N | Missing |
|---|---|---|---|---|---|---|---|
| **0** | 0.471 | 0 | 0 | 159 | 2.567 | 14535 | 2533 |
| **1** | 1.723 | 0 | 0 | 554 | 17.722 | 1489 | 233 |

[1] “cve_desf”

Table 47: Cardioversão/ Desfibrilação (sessão)

| readmission_180d | Mean | Min | Median | Max | Standard Deviation | N | Missing |
|---|---|---|---|---|---|---|---|
| **0** | 0.006 | 0 | 0 | 5 | 0.122 | 14535 | 3288 |
| **1** | 0.014 | 0 | 0 | 3 | 0.165 | 1489 | 316 |

[1] “transfusao”

Table 48: Transfusão de hemoderivados

| readmission_180d | Mean | Min | Median | Max | Standard Deviation | N | Missing |
|---|---|---|---|---|---|---|---|
| **0** | 0.049 | 0 | 0 | 61 | 0.999 | 14535 | 2533 |
| **1** | 0.086 | 0 | 0 | 18 | 0.840 | 1489 | 233 |

[1] “interconsulta”

Table 49: Interconsulta médica (Especialidades cirúrgicas, infecto, uro, nefro, psiquiatra, dermato, alergista, oncologista, geriatra, etc)

| readmission_180d | Mean | Min | Median | Max | Standard Deviation | N | Missing |
|---|---|---|---|---|---|---|---|
| **0** | 0.354 | 0 | 0 | 115 | 2.705 | 14535 | 2533 |
| **1** | 0.994 | 0 | 0 | 199 | 7.359 | 1489 | 233 |

[1] “equipe_multiprof”

Table 50: Equipe Multiprofissional (enf, fono, fisio, nutri, serviço social, psicologia)

| readmission_180d | Mean | Min | Median | Max | Standard Deviation | N | Missing |
|---|---|---|---|---|---|---|---|
| **0** | 3.163 | 0 | 0 | 420 | 14.412 | 14535 | 2533 |
| **1** | 6.884 | 0 | 1 | 328 | 23.067 | 1489 | 233 |

[1] “ecg”

Table 51: ECG

| readmission_180d | Mean | Min | Median | Max | Standard Deviation | N | Missing |
|---|---|---|---|---|---|---|---|
| **0** | 3.908 | 0 | 2 | 141 | 6.113 | 14535 | 2533 |
| **1** | 6.408 | 0 | 3 | 140 | 9.491 | 1489 | 233 |

[1] “holter”

Table 52: Holter

| readmission_180d | Mean | Min | Median | Max | Standard Deviation | N | Missing |
|---|---|---|---|---|---|---|---|
| **0** | 0.099 | 0 | 0 | 5 | 0.346 | 14535 | 2533 |
| **1** | 0.186 | 0 | 0 | 5 | 0.451 | 1489 | 233 |

[1] “teste_esforco”

Table 53: Teste de esforço

| readmission_180d | Mean | Min | Median | Max | Standard Deviation | N | Missing |
|---|---|---|---|---|---|---|---|
| **0** | 0.009 | 0 | 0 | 3 | 0.102 | 14535 | 2533 |
| **1** | 0.018 | 0 | 0 | 2 | 0.143 | 1489 | 233 |

[1] “espiro_ergoespiro”

Table 54: Espirometria / Ergoespirometria

| readmission_180d | Mean | Min | Median | Max | Standard Deviation | N | Missing |
|---|---|---|---|---|---|---|---|
| **0** | 0.004 | 0 | 0 | 2 | 0.065 | 14535 | 2533 |
| **1** | 0.010 | 0 | 0 | 1 | 0.097 | 1489 | 233 |

[1] “tilt_teste”

Table 55: Tilt Test

| readmission_180d | Mean | Min | Median | Max | Standard Deviation | N | Missing |
|---|---|---|---|---|---|---|---|
| **0** | 0.002 | 0 | 0 | 2 | 0.047 | 14535 | 2533 |
| **1** | 0.006 | 0 | 0 | 1 | 0.074 | 1489 | 233 |

[1] “polissonografia”

Table 56: Polissonografia

| readmission_180d | Mean | Min | Median | Max | Standard Deviation | N | Missing |
|---|---|---|---|---|---|---|---|
| **0** | 0.001 | 0 | 0 | 2 | 0.042 | 14535 | 2533 |
| **1** | 0.003 | 0 | 0 | 2 | 0.069 | 1489 | 233 |

[1] “metodos_graficos_qtde”

Table 57: Quantidade de exames por métodos gráficos

| readmission_180d | Mean | Min | Median | Max | Standard Deviation | N | Missing |
|---|---|---|---|---|---|---|---|
| **0** | 4.024 | 0 | 2 | 143 | 6.24 | 14535 | 2533 |
| **1** | 6.630 | 0 | 4 | 140 | 9.62 | 1489 | 233 |

[1] “laboratorio”

Table 58: Exames laboratoriais (exames bioquímicos, exames hematologia/coagulação, anticorpos, dosagem sérica de fármacos)

| readmission_180d | Mean | Min | Median | Max | Standard Deviation | N | Missing |
|---|---|---|---|---|---|---|---|
| **0** | 62.207 | 0 | 9.0 | 3608 | 189.377 | 14535 | 2533 |
| **1** | 133.752 | 0 | 29.5 | 3238 | 299.149 | 1489 | 233 |

[1] “cultura”

Table 59: Culturas (hemocultura, cultura de secreções, urocultura e cultura de cateteres)

| readmission_180d | Mean | Min | Median | Max | Standard Deviation | N | Missing |
|---|---|---|---|---|---|---|---|
| **0** | 0.339 | 0 | 0 | 48 | 1.534 | 14535 | 2533 |
| **1** | 0.670 | 0 | 0 | 19 | 1.920 | 1489 | 233 |

[1] “analises_clinicas_qtde”

Table 60: Quantidade de exames de análises clínicas

| readmission_180d | Mean | Min | Median | Max | Standard Deviation | N | Missing |
|---|---|---|---|---|---|---|---|
| **0** | 62.546 | 0 | 9 | 3645 | 190.578 | 14535 | 2533 |
| **1** | 134.422 | 0 | 30 | 3253 | 300.762 | 1489 | 233 |

[1] “citologia”

Table 61: Citologias

| readmission_180d | Mean | Min | Median | Max | Standard Deviation | N | Missing |
|---|---|---|---|---|---|---|---|
| **0** | 0.008 | 0 | 0 | 8 | 0.141 | 14535 | 2533 |
| **1** | 0.025 | 0 | 0 | 4 | 0.226 | 1489 | 233 |

[1] “biopsia”

Table 62: Biopsias (cardíaca, esterno, parede torácica, tumor em mediastino, pulmonar)

| readmission_180d | Mean | Min | Median | Max | Standard Deviation | N | Missing |
|---|---|---|---|---|---|---|---|
| **0** | 0.006 | 0 | 0 | 6 | 0.137 | 14535 | 2533 |
| **1** | 0.101 | 0 | 0 | 10 | 0.714 | 1489 | 233 |

[1] “histopatologia_qtde”

Table 63: Quantidade de exames histopatológicos

| readmission_180d | Mean | Min | Median | Max | Standard Deviation | N | Missing |
|---|---|---|---|---|---|---|---|
| **0** | 0.014 | 0 | 0 | 8 | 0.197 | 14535 | 2533 |
| **1** | 0.126 | 0 | 0 | 10 | 0.779 | 1489 | 233 |

[1] “angio_rm”

Table 64: Angio RM

| readmission_180d | Mean | Min | Median | Max | Standard Deviation | N | Missing |
|---|---|---|---|---|---|---|---|
| **0** | 0.003 | 0 | 0 | 3 | 0.072 | 14535 | 2533 |
| **1** | 0.012 | 0 | 0 | 4 | 0.162 | 1489 | 233 |

[1] “angio_tc”

Table 65: Angio TC

| readmission_180d | Mean | Min | Median | Max | Standard Deviation | N | Missing |
|---|---|---|---|---|---|---|---|
| **0** | 0.035 | 0 | 0 | 9 | 0.248 | 14535 | 2533 |
| **1** | 0.053 | 0 | 0 | 5 | 0.297 | 1489 | 233 |

[1] “angiografia”

Table 66: Angiografia

| readmission_180d | Mean | Min | Median | Max | Standard Deviation | N | Missing |
|---|---|---|---|---|---|---|---|
| **0** | 0.002 | 0 | 0 | 3 | 0.051 | 14535 | 2533 |
| **1** | 0.002 | 0 | 0 | 1 | 0.049 | 1489 | 233 |

[1] “aortografia”

Table 67: Aortografia

| readmission_180d | Mean | Min | Median | Max | Standard Deviation | N | Missing |
|---|---|---|---|---|---|---|---|
| **0** | 0.002 | 0 | 0 | 2 | 0.048 | 14535 | 2533 |
| **1** | 0.004 | 0 | 0 | 2 | 0.075 | 1489 | 233 |

[1] “arteriografia”

Table 68: Arteriografia

| readmission_180d | Mean | Min | Median | Max | Standard Deviation | N | Missing |
|---|---|---|---|---|---|---|---|
| **0** | 0.000 | 0 | 0 | 1 | 0.022 | 14535 | 2533 |
| **1** | 0.002 | 0 | 0 | 2 | 0.063 | 1489 | 233 |

[1] “cavografia”

Table 69: Cavografia

| readmission_180d | Mean | Min | Median | Max | Standard Deviation | N | Missing |
|---|---|---|---|---|---|---|---|
| **0** | 0.007 | 0 | 0 | 1 | 0.086 | 14535 | 2533 |
| **1** | 0.009 | 0 | 0 | 1 | 0.093 | 1489 | 233 |

[1] “cintilografia”

Table 70: Cintilografia

| readmission_180d | Mean | Min | Median | Max | Standard Deviation | N | Missing |
|---|---|---|---|---|---|---|---|
| **0** | 0.059 | 0 | 0 | 5 | 0.339 | 14535 | 2533 |
| **1** | 0.135 | 0 | 0 | 4 | 0.489 | 1489 | 233 |

[1] “ecocardiograma”

Table 71: Ecocardiograma

| readmission_180d | Mean | Min | Median | Max | Standard Deviation | N | Missing |
|---|---|---|---|---|---|---|---|
| **0** | 0.525 | 0 | 0 | 24 | 1.137 | 14535 | 2533 |
| **1** | 1.043 | 0 | 0 | 24 | 2.324 | 1489 | 233 |

[1] “endoscopia”

Table 72: Exames endoscópicos (EDA, colonoscopia, retossigmoidoscopia, broncoscopia)

| readmission_180d | Mean | Min | Median | Max | Standard Deviation | N | Missing |
|---|---|---|---|---|---|---|---|
| **0** | 0.015 | 0 | 0 | 6 | 0.168 | 14535 | 2533 |
| **1** | 0.053 | 0 | 0 | 3 | 0.297 | 1489 | 233 |

[1] “flebografia”

Table 73: Flebografia

| readmission_180d | Mean | Min | Median | Max | Standard Deviation | N | Missing |
|---|---|---|---|---|---|---|---|
| **0** | 0.034 | 0 | 0 | 5 | 0.280 | 14535 | 2533 |
| **1** | 0.056 | 0 | 0 | 5 | 0.383 | 1489 | 233 |

[1] “pet_ct”

Table 74: PET-CT

| readmission_180d | Mean | Min | Median | Max | Standard Deviation | N | Missing |
|---|---|---|---|---|---|---|---|
| **0** | 0.005 | 0 | 0 | 3 | 0.076 | 14535 | 2533 |
| **1** | 0.010 | 0 | 0 | 2 | 0.109 | 1489 | 233 |

[1] “ultrassom”

Table 75: Ultrassom

| readmission_180d | Mean | Min | Median | Max | Standard Deviation | N | Missing |
|---|---|---|---|---|---|---|---|
| **0** | 0.172 | 0 | 0 | 28 | 0.842 | 14535 | 2533 |
| **1** | 0.455 | 0 | 0 | 14 | 1.377 | 1489 | 233 |

[1] “tomografia”

Table 76: Tomografia

| readmission_180d | Mean | Min | Median | Max | Standard Deviation | N | Missing |
|---|---|---|---|---|---|---|---|
| **0** | 0.158 | 0 | 0 | 15 | 0.667 | 14535 | 2533 |
| **1** | 0.340 | 0 | 0 | 12 | 1.063 | 1489 | 233 |

[1] “radiografia”

Table 77: Radiografias

| readmission_180d | Mean | Min | Median | Max | Standard Deviation | N | Missing |
|---|---|---|---|---|---|---|---|
| **0** | 3.152 | 0 | 1 | 261 | 8.385 | 14535 | 2533 |
| **1** | 5.521 | 0 | 2 | 184 | 12.651 | 1489 | 233 |

[1] “ressonancia”

Table 78: Ressonancia magnetica

| readmission_180d | Mean | Min | Median | Max | Standard Deviation | N | Missing |
|---|---|---|---|---|---|---|---|
| **0** | 0.065 | 0 | 0 | 6 | 0.292 | 14535 | 2533 |
| **1** | 0.146 | 0 | 0 | 3 | 0.425 | 1489 | 233 |

[1] “exames_imagem_qtde”

Table 79: Quantidade de exames diagnóstico por imagem

| readmission_180d | Mean | Min | Median | Max | Standard Deviation | N | Missing |
|---|---|---|---|---|---|---|---|
| **0** | 4.236 | 0 | 2 | 281 | 10.212 | 14535 | 2533 |
| **1** | 7.840 | 0 | 3 | 200 | 15.752 | 1489 | 233 |

[1] “dieta_enteral”

Table 80: Dieta enteral (frasco)

| readmission_180d | Mean | Min | Median | Max | Standard Deviation | N | Missing |
|---|---|---|---|---|---|---|---|
| **0** | 0.063 | 0 | 0 | 195 | 2.644 | 14535 | 3290 |
| **1** | 0.115 | 0 | 0 | 111 | 3.293 | 1489 | 316 |

[1] “dieta_parenteral”

Table 81: Dieta parenteral (frasco)

| readmission_180d | Mean | Min | Median | Max | Standard Deviation | N | Missing |
|---|---|---|---|---|---|---|---|
| **0** | 0.003 | 0 | 0 | 14 | 0.151 | 14535 | 3290 |
| **1** | 0.000 | 0 | 0 | 0 | 0.000 | 1489 | 316 |

## Categorical variables

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

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

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

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

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

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

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

  df <- df %>%
```

```
    addmargins(FUN = list(Total = sum), quiet = TRUE)

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

```
transpose_columns <- c()

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

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

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

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

  if (column %in% transpose_columns){

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

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

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

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

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

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

    if (has_na){
```

```
      colnames(temp_table)[ncol(temp_table) - 1] <- "NA"
    }

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

  }
  print(t)
  i <- i + 1
}
```

Table 82: Contingency table between readmission 180d and Sexo

| | Sexo | | |
|---|---|---|---|
| readmission_180d | 0 | 1 | Total |
| 0 | 6920 (91%) | 7615 (90%) | 14535 |
| 1 | 644 (9%) | 845 (10%) | 1489 |
| Total | 7564 (100%) | 8460 (100%) | 16024 |

Table 83: Contingency table between readmission 180d and Doença cardíaca

| | Doença cardíaca | | | | |
|---|---|---|---|---|---|
| readmission_180d | 0 | 1 | 2 | NA | Total |
| 0 | 8487 (91%) | 1023 (87%) | 3152 (89%) | 1873 (92%) | 14535 |
| 1 | 797 (9%) | 149 (13%) | 379 (11%) | 164 (8%) | 1489 |
| Total | 9284 (100%) | 1172 (100%) | 3531 (100%) | 2037 (100%) | 16024 |

Table 84: Contingency table between readmission 180d and Hipertensão arterial

| | Hipertensão arterial | | |
|---|---|---|---|
| readmission_180d | 0 | 1 | Total |
| 0 | 11021 (91%) | 3514 (90%) | 14535 |
| 1 | 1119 (9%) | 370 (10%) | 1489 |
| Total | 12140 (100%) | 3884 (100%) | 16024 |

Table 85: Contingency table between readmission 180d and Infarto do miocárdio prévio / Doença arterial coronariana

| | Infarto do miocárdio prévio / Doença arterial coronariana | | |
|---|---|---|---|
| readmission_180d | 0 | 1 | Total |
| 0 | 13251 (91%) | 1284 (87%) | 14535 |
| 1 | 1295 (9%) | 194 (13%) | 1489 |
| Total | 14546 (100%) | 1478 (100%) | 16024 |

Table 86: Contingency table between readmission 180d and Insuficiência cardíaca

| | Insuficiência cardíaca | | |
|---|---|---|---|
| readmission_180d | 0 | 1 | Total |
| 0 | 9464 (93%) | 5071 (87%) | 14535 |
| 1 | 742 (7%) | 747 (13%) | 1489 |
| Total | 10206 (100%) | 5818 (100%) | 16024 |

Table 87: Contingency table between readmission 180d and Fibrilação / flutter atrial

| | Fibrilação / flutter atrial | | |
|---|---|---|---|
| readmission_180d | 0 | 1 | Total |
| 0 | 12396 (91%) | 2139 (89%) | 14535 |
| 1 | 1212 (9%) | 277 (11%) | 1489 |
| Total | 13608 (100%) | 2416 (100%) | 16024 |

Table 88: Contingency table between readmission 180d and Parada cardíaca prévia/ Taquicardia ventricular instável

| | Parada cardíaca prévia/ Taquicardia ventricular instável | | |
|---|---|---|---|
| readmission_180d | 0 | 1 | Total |
| 0 | 12846 (91%) | 1689 (88%) | 14535 |
| 1 | 1258 (9%) | 231 (12%) | 1489 |
| Total | 14104 (100%) | 1920 (100%) | 16024 |

Table 89: Contingency table between readmission 180d and Transplante cardíaco prévio

| | Transplante cardíaco prévio | | |
|---|---|---|---|
| readmission_180d | 0 | 1 | Total |
| 0 | 14528 (91%) | 7 (54%) | 14535 |
| 1 | 1483 (9%) | 6 (46%) | 1489 |
| Total | 16011 (100%) | 13 (100%) | 16024 |

Table 90: Contingency table between readmission 180d and Valvopatias/ Prótese valvares

| | Valvopatias/ Prótese valvares | | |
|---|---|---|---|
| readmission_180d | 0 | 1 | Total |
| 0 | 13595 (91%) | 940 (87%) | 14535 |
| 1 | 1353 (9%) | 136 (13%) | 1489 |
| Total | 14948 (100%) | 1076 (100%) | 16024 |

Table 91: Contingency table between readmission 180d and Endocardite prévia

| | Endocardite prévia | | |
|---|---|---|---|
| readmission_180d | 0 | 1 | Total |
| 0 | 14417 (91%) | 118 (86%) | 14535 |
| 1 | 1469 (9%) | 20 (14%) | 1489 |
| Total | 15886 (100%) | 138 (100%) | 16024 |

Table 92: Contingency table between readmission 180d and Diabetes melittus

| | Diabetes melittus | | |
|---|---|---|---|
| readmission_180d | 0 | 1 | Total |
| 0 | 12811 (91%) | 1724 (89%) | 14535 |
| 1 | 1268 (9%) | 221 (11%) | 1489 |
| Total | 14079 (100%) | 1945 (100%) | 16024 |

Table 93: Contingency table between readmission 180d and Insuficiência renal crônica

| | Insuficiência renal crônica | | |
|---|---|---|---|
| readmission_180d | 0 | 1 | Total |
| 0 | 13962 (91%) | 573 (88%) | 14535 |
| 1 | 1412 (9%) | 77 (12%) | 1489 |
| Total | 15374 (100%) | 650 (100%) | 16024 |

Table 94: Contingency table between readmission 180d and Hemodiálise

| | Hemodiálise | | |
|---|---|---|---|
| readmission_180d | 0 | 1 | Total |
| 0 | 14519 (91%) | 16 (73%) | 14535 |
| 1 | 1483 (9%) | 6 (27%) | 1489 |
| Total | 16002 (100%) | 22 (100%) | 16024 |

Table 95: Contingency table between readmission 180d and Acidente Vascular Cerebral/ Acidente isquêmico transitório prévios

| | Acidente Vascular Cerebral/ Acidente isquêmico transitório prévios | | |
|---|---|---|---|
| readmission_180d | 0 | 1 | Total |
| 0 | 14082 (91%) | 453 (90%) | 14535 |
| 1 | 1436 (9%) | 53 (10%) | 1489 |
| Total | 15518 (100%) | 506 (100%) | 16024 |

Table 96: Contingency table between readmission 180d and Doença pulmonar obstrutiva crônica

| | Doença pulmonar obstrutiva crônica | | |
|---|---|---|---|
| readmission_180d | 0 | 1 | Total |
| 0 | 14344 (91%) | 191 (87%) | 14535 |
| 1 | 1461 (9%) | 28 (13%) | 1489 |
| Total | 15805 (100%) | 219 (100%) | 16024 |

Table 97: Contingency table between readmission 180d and Neoplasia em tratamento ou tratada recentemente (12 meses)

| | Neoplasia em tratamento ou tratada recentemente (12 meses) | | |
|---|---|---|---|
| readmission_180d | 0 | 1 | Total |
| 0 | 14435 (91%) | 100 (87%) | 14535 |
| 1 | 1474 (9%) | 15 (13%) | 1489 |
| Total | 15909 (100%) | 115 (100%) | 16024 |

Table 98: Contingency table between readmission 180d and Tipo de Procedimento 1

| | Tipo de Procedimento 1 | | |
|---|---|---|---|
| readmission_180d | 1 | 2 | Total |
| 0 | 9908 (89%) | 4627 (95%) | 14535 |
| 1 | 1221 (11%) | 268 (5%) | 1489 |
| Total | 11129 (100%) | 4895 (100%) | 16024 |

Table 99: Contingency table between readmission 180d and Tipo de Reoperação 1

| | Tipo de Reoperação 1 | | | | |
|---|---|---|---|---|---|
| readmission_180d | 1 | 2 | 3 | NA | Total |
| 0 | 3747 (95%) | 849 (91%) | 31 (91%) | 9908 (89%) | 14535 |
| 1 | 181 (5%) | 84 (9%) | 3 (9%) | 1221 (11%) | 1489 |
| Total | 3928 (100%) | 933 (100%) | 34 (100%) | 11129 (100%) | 16024 |

Table 100: Contingency table between readmission 180d and Tipo de Dispositivo ao final do procedimento 1

| | Tipo de Dispositivo ao final do procedimento 1 | | | | |
|---|---|---|---|---|---|
| readmission_180d | 1 | 2 | 3 | 4 | Total |
| 0 | 11533 (92%) | 1520 (85%) | 1115 (86%) | 367 (80%) | 14535 |
| 1 | 942 (8%) | 271 (15%) | 183 (14%) | 93 (20%) | 1489 |
| Total | 12475 (100%) | 1791 (100%) | 1298 (100%) | 460 (100%) | 16024 |

Table 101: Contingency table between readmission 180d and Óbito intraoperatório 1

| | Óbito intraoperatório 1 | | |
|---|---|---|---|
| readmission_180d | 0 | 1 | Total |
| 0 | 14528 (91%) | 7 (100%) | 14535 |
| 1 | 1489 (9%) | 0 (0%) | 1489 |
| Total | 16017 (100%) | 7 (100%) | 16024 |

Table 102: Contingency table between readmission 180d and Tipo de Reoperação 2

| | Tipo de Reoperação 2 | | | | |
|---|---|---|---|---|---|
| readmission_180d | 1 | 2 | 3 | NA | Total |
| 0 | 3119 (96%) | 1106 (74%) | 56 (46%) | 10254 (92%) | 14535 |
| 1 | 141 (4%) | 387 (26%) | 65 (54%) | 896 (8%) | 1489 |
| Total | 3260 (100%) | 1493 (100%) | 121 (100%) | 11150 (100%) | 16024 |

Table 103: Contingency table between readmission 180d and Tipo de Dispositivo ao final do procedimento 2

| | Tipo de Dispositivo ao final do procedimento 2 | | | | | |
|---|---|---|---|---|---|---|
| readmission_180d | 1 | 2 | 3 | 4 | NA | Total |
| 0 | 3259 (90%) | 536 (83%) | 326 (84%) | 162 (80%) | 10252 (92%) | 14535 |
| 1 | 379 (10%) | 109 (17%) | 62 (16%) | 41 (20%) | 898 (8%) | 1489 |
| Total | 3638 (100%) | 645 (100%) | 388 (100%) | 203 (100%) | 11150 (100%) | 16024 |

Table 104: Contingency table between readmission 180d and Óbito intraoperatório 2

| | Óbito intraoperatório 2 | | |
|---|---|---|---|
| readmission_180d | 0 | NA | Total |
| 0 | 4287 (88%) | 10248 (92%) | 14535 |
| 1 | 594 (12%) | 895 (8%) | 1489 |
| Total | 4881 (100%) | 11143 (100%) | 16024 |

Table 105: Contingency table between readmission 180d and Tipo de Reoperação 3

| | Tipo de Reoperação 3 | | | | |
|---|---|---|---|---|---|
| readmission_180d | 1 | 2 | 3 | NA | Total |
| 0 | 628 (87%) | 477 (82%) | 45 (73%) | 13385 (91%) | 14535 |
| 1 | 96 (13%) | 103 (18%) | 17 (27%) | 1273 (9%) | 1489 |
| Total | 724 (100%) | 580 (100%) | 62 (100%) | 14658 (100%) | 16024 |

Table 106: Contingency table between readmission 180d and Tipo de Dispositivo ao final do procedimento 3

| | Tipo de Dispositivo ao final do procedimento 3 | | | | | |
|---|---|---|---|---|---|---|
| readmission_180d | 1 | 2 | 3 | 4 | NA | Total |
| 0 | 820 (85%) | 205 (81%) | 131 (82%) | 78 (79%) | 13301 (91%) | 14535 |
| 1 | 148 (15%) | 47 (19%) | 29 (18%) | 21 (21%) | 1244 (9%) | 1489 |
| Total | 968 (100%) | 252 (100%) | 160 (100%) | 99 (100%) | 14545 (100%) | 16024 |

Table 107: Contingency table between readmission 180d and Óbito intraoperatório 3

| | Óbito intraoperatório 3 | | | |
|---|---|---|---|---|
| readmission_180d | 0 | 1 | NA | Total |
| 0 | 1230 (83%) | 4 (100%) | 13301 (91%) | 14535 |
| 1 | 246 (17%) | 0 (0%) | 1243 (9%) | 1489 |
| Total | 1476 (100%) | 4 (100%) | 14544 (100%) | 16024 |

Table 108: Contingency table between readmission 180d and Tipo de Reoperação 4

| | Tipo de Reoperação 4 | | | | |
|---|---|---|---|---|---|
| readmission_180d | 1 | 2 | 3 | NA | Total |
| 0 | 144 (75%) | 197 (78%) | 28 (85%) | 14166 (91%) | 14535 |
| 1 | 48 (25%) | 54 (22%) | 5 (15%) | 1382 (9%) | 1489 |
| Total | 192 (100%) | 251 (100%) | 33 (100%) | 15548 (100%) | 16024 |

Table 109: Contingency table between readmission 180d and Tipo de Dispositivo ao final do procedimento 4

| | Tipo de Dispositivo ao final do procedimento 4 | | | | | |
|---|---|---|---|---|---|---|
| readmission_180d | 1 | 2 | 3 | 4 | NA | Total |
| 0 | 217 (75%) | 89 (81%) | 39 (87%) | 33 (79%) | 14157 (91%) | 14535 |
| 1 | 71 (25%) | 21 (19%) | 6 (13%) | 9 (21%) | 1382 (9%) | 1489 |
| Total | 288 (100%) | 110 (100%) | 45 (100%) | 42 (100%) | 15539 (100%) | 16024 |

Table 110: Contingency table between readmission 180d and Óbito intraoperatório 4

| | Óbito intraoperatório 4 | | |
|---|---|---|---|
| readmission_180d | 0 | NA | Total |
| 0 | 378 (78%) | 14157 (91%) | 14535 |
| 1 | 107 (22%) | 1382 (9%) | 1489 |
| Total | 485 (100%) | 15539 (100%) | 16024 |

Table 111: Contingency table between readmission 180d and Tipo de Reoperação 5

| | Tipo de Reoperação 5 | | | | |
|---|---|---|---|---|---|
| readmission_180d | 1 | 2 | 3 | NA | Total |
| 0 | 60 (85%) | 90 (85%) | 9 (64%) | 14376 (91%) | 14535 |
| 1 | 11 (15%) | 16 (15%) | 5 (36%) | 1457 (9%) | 1489 |
| Total | 71 (100%) | 106 (100%) | 14 (100%) | 15833 (100%) | 16024 |

Table 112: Contingency table between readmission 180d and Tipo de Dispositivo ao final do procedimento 5

| | Tipo de Dispositivo ao final do procedimento 5 | | | | | |
|---|---|---|---|---|---|---|
| readmission_180d | 1 | 2 | 3 | 4 | NA | Total |
| 0 | 80 (80%) | 46 (82%) | 21 (95%) | 11 (85%) | 14377 (91%) | 14535 |
| 1 | 20 (20%) | 10 (18%) | 1 (5%) | 2 (15%) | 1456 (9%) | 1489 |
| Total | 100 (100%) | 56 (100%) | 22 (100%) | 13 (100%) | 15833 (100%) | 16024 |

Table 113: Contingency table between readmission 180d and Óbito intraoperatório 5

| | Óbito intraoperatório 5 | | |
|---|---|---|---|
| readmission_180d | 0 | NA | Total |
| 0 | 159 (83%) | 14376 (91%) | 14535 |
| 1 | 33 (17%) | 1456 (9%) | 1489 |
| Total | 192 (100%) | 15832 (100%) | 16024 |

Table 114: Contingency table between readmission 180d and Tipo de Reoperação 6

| | Tipo de Reoperação 6 | | | | |
|---|---|---|---|---|---|
| readmission_180d | 1 | 2 | 3 | NA | Total |
| 0 | 22 (85%) | 36 (78%) | 4 (67%) | 14473 (91%) | 14535 |
| 1 | 4 (15%) | 10 (22%) | 2 (33%) | 1473 (9%) | 1489 |
| Total | 26 (100%) | 46 (100%) | 6 (100%) | 15946 (100%) | 16024 |

Table 115: Contingency table between readmission 180d and Tipo de Dispositivo ao final do procedimento 6

| | Tipo de Dispositivo ao final do procedimento 6 | | | | | |
|---|---|---|---|---|---|---|
| readmission_180d | 1 | 2 | 3 | 4 | NA | Total |
| 0 | 31 (78%) | 19 (76%) | 7 (100%) | 8 (89%) | 14470 (91%) | 14535 |
| 1 | 9 (22%) | 6 (24%) | 0 (0%) | 1 (11%) | 1473 (9%) | 1489 |
| Total | 40 (100%) | 25 (100%) | 7 (100%) | 9 (100%) | 15943 (100%) | 16024 |

Table 116: Contingency table between readmission 180d and Óbito intraoperatório 6

| | Óbito intraoperatório 6 | | |
|---|---|---|---|
| readmission_180d | 0 | NA | Total |
| 0 | 65 (80%) | 14470 (91%) | 14535 |
| 1 | 16 (20%) | 1473 (9%) | 1489 |
| Total | 81 (100%) | 15943 (100%) | 16024 |

Table 117: Contingency table between readmission 180d and Tipo de Reoperação 7

| | Tipo de Reoperação 7 | | | | |
|---|---|---|---|---|---|
| readmission_180d | 1 | 2 | 3 | NA | Total |
| 0 | 9 (90%) | 14 (78%) | 2 (50%) | 14510 (91%) | 14535 |
| 1 | 1 (10%) | 4 (22%) | 2 (50%) | 1482 (9%) | 1489 |
| Total | 10 (100%) | 18 (100%) | 4 (100%) | 15992 (100%) | 16024 |

Table 118: Contingency table between readmission 180d and Tipo de Dispositivo ao final do procedimento 7

| | Tipo de Dispositivo ao final do procedimento 7 | | | | | |
|---|---|---|---|---|---|---|
| readmission_180d | 1 | 2 | 3 | 4 | NA | Total |
| 0 | 12 (92%) | 9 (69%) | 1 (100%) | 2 (50%) | 14511 (91%) | 14535 |
| 1 | 1 (8%) | 4 (31%) | 0 (0%) | 2 (50%) | 1482 (9%) | 1489 |
| Total | 13 (100%) | 13 (100%) | 1 (100%) | 4 (100%) | 15993 (100%) | 16024 |

Table 119: Contingency table between readmission 180d and Óbito intraoperatório 7

| | Óbito intraoperatório 7 | | |
|---|---|---|---|
| readmission_180d | 0 | NA | Total |
| 0 | 25 (78%) | 14510 (91%) | 14535 |
| 1 | 7 (22%) | 1482 (9%) | 1489 |
| Total | 32 (100%) | 15992 (100%) | 16024 |

Table 120: Contingency table between readmission 180d and Tipo de Reoperação 8

| | Tipo de Reoperação 8 | | |
|---|---|---|---|
| readmission_180d | TRUE | NA | Total |
| 0 | 10 (83%) | 14525 (91%) | 14535 |
| 1 | 2 (17%) | 1487 (9%) | 1489 |
| Total | 12 (100%) | 16012 (100%) | 16024 |

Table 121: Contingency table between readmission 180d and Tipo de Dispositivo ao final do procedimento 8

| | Tipo de Dispositivo ao final do procedimento 8 | | |
|---|---|---|---|
| readmission_180d | TRUE | NA | Total |
| 0 | 10 (83%) | 14525 (91%) | 14535 |
| 1 | 2 (17%) | 1487 (9%) | 1489 |
| Total | 12 (100%) | 16012 (100%) | 16024 |

Table 122: Contingency table between readmission 180d and Óbito intraoperatório 8

| | Óbito intraoperatório 8 | | |
|---|---|---|---|
| readmission_180d | FALSE | NA | Total |
| 0 | 10 (83%) | 14525 (91%) | 14535 |
| 1 | 2 (17%) | 1487 (9%) | 1489 |
| Total | 12 (100%) | 16012 (100%) | 16024 |

Table 123: Contingency table between readmission 180d and Tipo de Reoperação 9

| | Tipo de Reoperação 9 | | |
|---|---|---|---|
| readmission_180d | TRUE | NA | Total |
| 0 | 5 (100%) | 14530 (91%) | 14535 |
| 1 | 0 (0%) | 1489 (9%) | 1489 |
| Total | 5 (100%) | 16019 (100%) | 16024 |

Table 124: Contingency table between readmission 180d and Tipo de Dispositivo ao final do procedimento 9

| | Tipo de Dispositivo ao final do procedimento 9 | | |
|---|---|---|---|
| readmission_180d | TRUE | NA | Total |
| 0 | 5 (100%) | 14530 (91%) | 14535 |
| 1 | 0 (0%) | 1489 (9%) | 1489 |
| Total | 5 (100%) | 16019 (100%) | 16024 |

Table 125: Contingency table between readmission 180d and Óbito intraoperatório 9

| | Óbito intraoperatório 9 | | |
|---|---|---|---|
| readmission_180d | FALSE | NA | Total |
| 0 | 5 (100%) | 14530 (91%) | 14535 |
| 1 | 0 (0%) | 1489 (9%) | 1489 |
| Total | 5 (100%) | 16019 (100%) | 16024 |

Table 126: Contingency table between readmission 180d and Tipo de Reoperação 10

| | Tipo de Reoperação 10 | | |
|---|---|---|---|
| readmission_180d | TRUE | NA | Total |
| 0 | 1 (100%) | 14534 (91%) | 14535 |
| 1 | 0 (0%) | 1489 (9%) | 1489 |
| Total | 1 (100%) | 16023 (100%) | 16024 |

Table 127: Contingency table between readmission 180d and Tipo de Dispositivo ao final do procedimento 10

| | Tipo de Dispositivo ao final do procedimento 10 | | |
|---|---|---|---|
| readmission_180d | TRUE | NA | Total |
| 0 | 1 (100%) | 14534 (91%) | 14535 |
| 1 | 0 (0%) | 1489 (9%) | 1489 |
| Total | 1 (100%) | 16023 (100%) | 16024 |

Table 128: Contingency table between readmission 180d and Óbito intraoperatório 10

| | Óbito intraoperatório 10 | | |
|---|---|---|---|
| readmission_180d | FALSE | NA | Total |
| 0 | 1 (100%) | 14534 (91%) | 14535 |
| 1 | 0 (0%) | 1489 (9%) | 1489 |
| Total | 1 (100%) | 16023 (100%) | 16024 |

Table 129: Contingency table between readmission 180d and Mudança do tipo de DCEI: entre o Procedimento 1 e Procedimento 2

| | Mudança do tipo de DCEI: entre o Procedimento 1 e Procedimento 2 | | | |
|---|---|---|---|---|
| readmission_180d | 0 | 1 | NA | Total |
| 0 | 4041 (88%) | 242 (86%) | 10252 (92%) | 14535 |
| 1 | 553 (12%) | 38 (14%) | 898 (8%) | 1489 |
| Total | 4594 (100%) | 280 (100%) | 11150 (100%) | 16024 |

Table 130: Contingency table between readmission 180d and Mudança do tipo de DCEI: entre o Procedimento 2 e Procedimento 3

| | Mudança do tipo de DCEI: entre o Procedimento 2 e Procedimento 3 | | | |
|---|---|---|---|---|
| readmission_180d | 0 | 1 | NA | Total |
| 0 | 1160 (84%) | 74 (79%) | 13301 (91%) | 14535 |
| 1 | 225 (16%) | 20 (21%) | 1244 (9%) | 1489 |
| Total | 1385 (100%) | 94 (100%) | 14545 (100%) | 16024 |

Table 131: Contingency table between readmission 180d and Mudança do tipo de DCEI: entre o Procedimento 3 e Procedimento 4

| | Mudança do tipo de DCEI: entre o Procedimento 3 e Procedimento 4 | | | |
|---|---|---|---|---|
| readmission_180d | 0 | 1 | NA | Total |
| 0 | 355 (78%) | 23 (82%) | 14157 (91%) | 14535 |
| 1 | 102 (22%) | 5 (18%) | 1382 (9%) | 1489 |
| Total | 457 (100%) | 28 (100%) | 15539 (100%) | 16024 |

Table 132: Contingency table between readmission 180d and Mudança do tipo de DCEI: entre o Procedimento 4 e Procedimento 5

| | Mudança do tipo de DCEI: entre o Procedimento 4 e Procedimento 5 | | | |
|---|---|---|---|---|
| readmission_180d | 0 | 1 | NA | Total |
| 0 | 149 (82%) | 9 (100%) | 14377 (91%) | 14535 |
| 1 | 33 (18%) | 0 (0%) | 1456 (9%) | 1489 |
| Total | 182 (100%) | 9 (100%) | 15833 (100%) | 16024 |

Table 133: Contingency table between readmission 180d and Mudança do tipo de DCEI: entre o Procedimento 5 e Procedimento 6

| | Mudança do tipo de DCEI: entre o Procedimento 5 e Procedimento 6 | | | |
|---|---|---|---|---|
| readmission_180d | 0 | 1 | NA | Total |
| 0 | 58 (78%) | 7 (100%) | 14470 (91%) | 14535 |
| 1 | 16 (22%) | 0 (0%) | 1473 (9%) | 1489 |
| Total | 74 (100%) | 7 (100%) | 15943 (100%) | 16024 |

Table 134: Contingency table between readmission 180d and Mudança do tipo de DCEI: entre o Procedimento 6 e Procedimento 7

| | Mudança do tipo de DCEI: entre o Procedimento 6 e Procedimento 7 | | | |
|---|---|---|---|---|
| readmission_180d | 0 | 1 | NA | Total |
| 0 | 22 (79%) | 2 (67%) | 14511 (91%) | 14535 |
| 1 | 6 (21%) | 1 (33%) | 1482 (9%) | 1489 |
| Total | 28 (100%) | 3 (100%) | 15993 (100%) | 16024 |

Table 135: Contingency table between readmission 180d and Mudança do tipo de DCEI: entre o Procedimento 7 e Procedimento 8

| | Mudança do tipo de DCEI: entre o Procedimento 7 e Procedimento 8 | | | |
|---|---|---|---|---|
| readmission_180d | FALSE | TRUE | NA | Total |
| 0 | 9 (82%) | 1 (100%) | 14525 (91%) | 14535 |
| 1 | 2 (18%) | 0 (0%) | 1487 (9%) | 1489 |
| Total | 11 (100%) | 1 (100%) | 16012 (100%) | 16024 |

Table 136: Contingency table between readmission 180d and Mudança do tipo de DCEI: entre o Procedimento 8 e Procedimento 9

| | Mudança do tipo de DCEI: entre o Procedimento 8 e Procedimento 9 | | |
|---|---|---|---|
| readmission_180d | FALSE | NA | Total |
| 0 | 5 (100%) | 14530 (91%) | 14535 |
| 1 | 0 (0%) | 1489 (9%) | 1489 |
| Total | 5 (100%) | 16019 (100%) | 16024 |

Table 137: Contingency table between readmission 180d and Mudança do tipo de DCEI: entre o Procedimento 9 e Procedimento 10

| | Mudança do tipo de DCEI: entre o Procedimento 9 e Procedimento 10 | | |
|---|---|---|---|
| readmission_180d | FALSE | NA | Total |
| 0 | 1 (100%) | 14534 (91%) | 14535 |
| 1 | 0 (0%) | 1489 (9%) | 1489 |
| Total | 1 (100%) | 16023 (100%) | 16024 |

Table 138: Contingency table between readmission 180d and Diálise durante os episódios de hospitalização

| | Diálise durante os episódios de hospitalização | | |
|---|---|---|---|
| readmission_180d | 0 | 1 | Total |
| 0 | 14487 (91%) | 48 (79%) | 14535 |
| 1 | 1476 (9%) | 13 (21%) | 1489 |
| Total | 15963 (100%) | 61 (100%) | 16024 |

Table 139: Contingency table between readmission 180d and UTI durante os episódios de hospitalização

| | UTI durante os episódios de hospitalização | | |
|---|---|---|---|
| readmission_180d | 0 | 1 | Total |
| 0 | 11668 (92%) | 2867 (84%) | 14535 |
| 1 | 952 (8%) | 537 (16%) | 1489 |
| Total | 12620 (100%) | 3404 (100%) | 16024 |

Table 140: Contingency table between readmission 180d and Admissão em até 180 dias antes da T0

| | Admissão em até 180 dias antes da T0 | | |
|---|---|---|---|
| readmission_180d | 0 | 1 | Total |
| 0 | 13645 (92%) | 890 (80%) | 14535 |
| 1 | 1264 (8%) | 225 (20%) | 1489 |
| Total | 14909 (100%) | 1115 (100%) | 16024 |

Table 141: Contingency table between readmission 180d and Readmissões pós-T0 com diálise

| | Readmissões pós-T0 com diálise | | | | |
|---|---|---|---|---|---|
| readmission_180d | 0 | 1 | 2 | 3 | Total |
| 0 | 14517 (91%) | 16 (84%) | 2 (100%) | 0 (0%) | 14535 |
| 1 | 1485 (9%) | 3 (16%) | 0 (0%) | 1 (100%) | 1489 |
| Total | 16002 (100%) | 19 (100%) | 2 (100%) | 1 (100%) | 16024 |

Table 142: Contingency table between readmission 180d and Desfecho principal da admissão T0

| | Desfecho principal da admissão T0 | | |
|---|---|---|---|
| readmission_180d | 0 | 1 | Total |
| 0 | 14277 (91%) | 258 (100%) | 14535 |
| 1 | 1489 (9%) | 0 (0%) | 1489 |
| Total | 15766 (100%) | 258 (100%) | 16024 |

Table 143: Contingency table between readmission 180d and Readmissão cirúrgica em até 30 dias

| | Readmissão cirúrgica em até 30 dias | | |
|---|---|---|---|
| readmission_180d | 0 | 1 | Total |
| 0 | 14535 (91%) | 0 (0%) | 14535 |
| 1 | 1352 (9%) | 137 (100%) | 1489 |
| Total | 15887 (100%) | 137 (100%) | 16024 |

Table 144: Contingency table between readmission 180d and Readmissão cirúrgica entre 31 a 60 dias

| | Readmissão cirúrgica entre 31 a 60 dias | | |
|---|---|---|---|
| readmission_180d | 0 | 1 | Total |
| 0 | 14535 (91%) | 0 (0%) | 14535 |
| 1 | 1396 (9%) | 93 (100%) | 1489 |
| Total | 15931 (100%) | 93 (100%) | 16024 |

Table 145: Contingency table between readmission 180d and Readmissão cirúgica entre 61 a 180 dias

| | Readmissão cirúgica entre 61 a 180 dias | | |
|---|---|---|---|
| readmission_180d | 0 | 1 | Total |
| 0 | 14535 (92%) | 0 (0%) | 14535 |
| 1 | 1340 (8%) | 149 (100%) | 1489 |
| Total | 15875 (100%) | 149 (100%) | 16024 |

Table 146: Contingency table between readmission 180d and Readmissão cirúrgica em até 1 ano

| | Readmissão cirúrgica em até 1 ano | | |
|---|---|---|---|
| readmission_180d | 0 | 1 | Total |
| 0 | 14435 (91%) | 100 (76%) | 14535 |
| 1 | 1457 (9%) | 32 (24%) | 1489 |
| Total | 15892 (100%) | 132 (100%) | 16024 |

Table 147: Contingency table between readmission 180d and Desfecho final do estudo

| | Desfecho final do estudo | | | |
|---|---|---|---|---|
| readmission_180d | 1 | 2 | 3 | Total |
| 0 | 2283 (82%) | 7208 (93%) | 5044 (92%) | 14535 |
| 1 | 515 (18%) | 521 (7%) | 453 (8%) | 1489 |
| Total | 2798 (100%) | 7729 (100%) | 5497 (100%) | 16024 |

Table 148: Contingency table between readmission 180d and Ventilação mecânica / IOT

| | Ventilação mecânica / IOT | | |
|---|---|---|---|
| readmission_180d | 1 | NA | Total |
| 0 | 2585 (87%) | 11950 (92%) | 14535 |
| 1 | 399 (13%) | 1090 (8%) | 1489 |
| Total | 2984 (100%) | 13040 (100%) | 16024 |