Tables

Eduardo Yuki Yada

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

death_readmission	Mean	Min	Median	Max	Standard Deviation	N	Missing
0	3.791	0	0	575	19.188	14720	3121
1	10.237	0	0	844	38.836	1304	398

[1] “antihipertensivo”

Table 2: Antihipertensivo

death_readmission	Mean	Min	Median	Max	Standard Deviation	N	Missing
0	0.515	0	0	349	5.722	14720	3121
1	0.350	0	0	45	3.136	1304	398

[1] “betabloqueador”

Table 3: Betabloqueador

death_readmission	Mean	Min	Median	Max	Standard Deviation	N	Missing
0	1.115	0	0	388	8.272	14720	3121
1	1.057	0	0	68	5.373	1304	398

[1] “ieca_bra”

Table 4: IECA/BRA

death_readmission	Mean	Min	Median	Max	Standard Deviation	N	Missing
0	8.535	0	2	773	21.162	14720	3121
1	15.772	0	4	393	33.976	1304	398

[1] “dva”

Table 5: DVA

death_readmission	Mean	Min	Median	Max	Standard Deviation	N	Missing
0	7.371	0	0	1917	47.583	14720	3121
1	10.662	0	0	606	40.891	1304	398

[1] “digoxina”

Table 6: Digoxina

death_readmission	Mean	Min	Median	Max	Standard Deviation	N	Missing
0	0.198	0	0	50	1.518	14720	3121
1	0.736	0	0	39	3.065	1304	398

[1] “estatina”

Table 7: Estatinas

death_readmission	Mean	Min	Median	Max	Standard Deviation	N	Missing
0	5.036	0	0	421	16.652	14720	3121
1	8.551	0	0	288	22.512	1304	398

[1] “diuretico”

Table 8: Diuretico

death_readmission	Mean	Min	Median	Max	Standard Deviation	N	Missing
0	11.245	0	0	2966.0	70.007	14720	3121
1	19.326	0	2	1010.5	71.718	1304	398

[1] “vasodilatador”

Table 9: Vasodilator

death_readmission	Mean	Min	Median	Max	Standard Deviation	N	Missing
0	9.378	0	0	3820.5	63.680	14720	3121
1	22.821	0	0	754.5	73.774	1304	398

[1] “insuf_cardiaca”

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

death_readmission	Mean	Min	Median	Max	Standard Deviation	N	Missing
0	4.138	0	0	453.0	16.016	14720	3121
1	11.268	0	0	354.5	27.023	1304	398

[1] “espironolactona”

Table 11: Antagonista da Aldosterona (espironolactona)

death_readmission	Mean	Min	Median	Max	Standard Deviation	N	Missing
0	1.955	0	0	255	7.968	14720	3121
1	4.726	0	0	141	12.075	1304	398

[1] “bloq_calcio”

Table 12: Bloqueador do canal de calcio

death_readmission	Mean	Min	Median	Max	Standard Deviation	N	Missing
0	0.562	0	0	509	8.873	14720	3121
1	1.510	0	0	370	16.452	1304	398

[1] “trombolitico”

Table 13: Trombolitico

death_readmission	Mean	Min	Median	Max	Standard Deviation	N	Missing
0	0.001	0	0	3	0.049	14720	3121
1	0.000	0	0	0	0.000	1304	398

[1] “antiplaquetario_vo”

Table 14: Antiplaquetario VO

death_readmission	Mean	Min	Median	Max	Standard Deviation	N	Missing
0	0	0	0	0	0	14720	3121
1	0	0	0	0	0	1304	398

[1] “antiplaquetario_ev”

Table 15: Antiplaquetario EV

death_readmission	Mean	Min	Median	Max	Standard Deviation	N	Missing
0	0.010	0	0	8	0.178	14720	3121
1	0.021	0	0	3	0.196	1304	398

[1] “insulina”

Table 16: Insulina

death_readmission	Mean	Min	Median	Max	Standard Deviation	N	Missing
0	0.100	0	0	16	0.496	14720	3121
1	0.136	0	0	7	0.572	1304	398

[1] “hipoglicemiante”

Table 17: Hipoglicemiante

death_readmission	Mean	Min	Median	Max	Standard Deviation	N	Missing
0	0.35	0	0	90	2.827	14720	3121
1	0.40	0	0	39	2.694	1304	398

[1] “hormonio_tireoidiano”

Table 18: Hormonio tireoidiano

death_readmission	Mean	Min	Median	Max	Standard Deviation	N	Missing
0	0	0	0	0	0	14720	3121
1	0	0	0	0	0	1304	398

[1] “broncodilatador”

Table 19: Broncodiltador

death_readmission	Mean	Min	Median	Max	Standard Deviation	N	Missing
0	0	0	0	0	0	14720	3121
1	0	0	0	0	0	1304	398

[1] “anticonvulsivante”

Table 20: Anticonvulsivante

death_readmission	Mean	Min	Median	Max	Standard Deviation	N	Missing
0	0.976	0	0	334	10.939	14720	3121
1	1.901	0	0	390	18.192	1304	398

[1] “psicofarmacos”

Table 21: Psicofármacos (Ansiolítico/ antidepressivo/ antipsicótico)

death_readmission	Mean	Min	Median	Max	Standard Deviation	N	Missing
0	3.865	0	0	573	14.492	14720	3121
1	6.451	0	0	206	17.199	1304	398

[1] “atb”

Table 22: Antibióticos

death_readmission	Mean	Min	Median	Max	Standard Deviation	N	Missing
0	14.739	0	4	1812	63.254	14720	3121
1	20.100	0	4	1137	70.106	1304	398

[1] “antifungico”

Table 23: Antifúngicos

death_readmission	Mean	Min	Median	Max	Standard Deviation	N	Missing
0	0.440	0	0	122.0	4.377	14720	3121
1	0.614	0	0	69.5	4.670	1304	398

[1] “antiviral”

Table 24: Antiviral

death_readmission	Mean	Min	Median	Max	Standard Deviation	N	Missing
0	0.128	0	0	131	2.834	14720	3121
1	0.047	0	0	14	0.700	1304	398

[1] “antiretroviral”

Table 25: Antiretroviral

death_readmission	Mean	Min	Median	Max	Standard Deviation	N	Missing
0	0.009	0	0	32	0.461	14720	3121
1	0.000	0	0	0	0.000	1304	398

[1] “classe_meds_qtde”

Table 26: Quantidade de classes medicamentosas utilizadas

death_readmission	Mean	Min	Median	Max	Standard Deviation	N	Missing
0	4.684	1	4	17	2.542	14720	4444
1	6.538	1	6	15	2.569	1304	570

[1] “classe_meds_cardio_qtde”

Table 27: Quantidade de classes medicamentosas de ação cardiovascular

death_readmission	Mean	Min	Median	Max	Standard Deviation	N	Missing
0	3.058	1	3	10	1.750	14720	5999
1	4.261	1	4	9	1.856	1304	596

[1] “meds_cardiovasc_qtde”

Table 28: Quantidade de medicamentos de ação cardiovascular

death_readmission	Mean	Min	Median	Max	Standard Deviation	N	Missing
0	48.804	0	9	8738.00	178.747	14720	3121
1	98.466	0	25	2089.25	203.581	1304	398

[1] “meds_antimicrobianos”

Table 29: Quantidade de antimicrobianos (antibióticos e antifúngicos)

death_readmission	Mean	Min	Median	Max	Standard Deviation	N	Missing
0	15.179	0	4	1812	64.959	14720	3121
1	20.714	0	4	1137	72.407	1304	398

[1] “vni”

Table 30: Ventilação não invasiva

death_readmission	Mean	Min	Median	Max	Standard Deviation	N	Missing
0	0.051	0	0	114	1.612	14720	2469
1	0.002	0	0	2	0.063	1304	297

[1] “cec”

Table 31: Instalação de CEC

death_readmission	Mean	Min	Median	Max	Standard Deviation	N	Missing
0	0.013	0	0	2	0.115	14720	2469
1	0.011	0	0	1	0.104	1304	297

[1] “cir_cardiovascular”

Table 32: Cirurgia Cardiovascular

death_readmission	Mean	Min	Median	Max	Standard Deviation	N	Missing
0	0.060	0	0	9	0.389	14720	2469
1	0.046	0	0	6	0.376	1304	297

[1] “transplante_cardiaco”

Table 33: Transplante cardíaco

death_readmission	Mean	Min	Median	Max	Standard Deviation	N	Missing
0	0.002	0	0	1	0.041	14720	2469
1	0.001	0	0	1	0.032	1304	297

[1] “cir_toracica”

Table 34: Cirurgia Toracica

death_readmission	Mean	Min	Median	Max	Standard Deviation	N	Missing
0	0.004	0	0	9	0.108	14720	2469
1	0.003	0	0	2	0.070	1304	297

[1] “outros_proced_cirurgicos”

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

death_readmission	Mean	Min	Median	Max	Standard Deviation	N	Missing
0	0.115	0	0	22	0.580	14720	2469
1	0.143	0	0	6	0.622	1304	297

[1] “traqueostomia”

Table 36: Traqueostomia

death_readmission	Mean	Min	Median	Max	Standard Deviation	N	Missing
0	0.002	0	0	8	0.082	14720	2469
1	0.005	0	0	5	0.158	1304	297

[1] “icp”

Table 37: Intervenção coronária percutânea

death_readmission	Mean	Min	Median	Max	Standard Deviation	N	Missing
0	0.011	0	0	4	0.132	14720	2469
1	0.022	0	0	3	0.203	1304	297

[1] “intervencao_cv”

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

death_readmission	Mean	Min	Median	Max	Standard Deviation	N	Missing
0	0.007	0	0	3	0.117	14720	2469
1	0.008	0	0	2	0.099	1304	297

[1] “stent”

Table 39: Stent

death_readmission	Mean	Min	Median	Max	Standard Deviation	N	Missing
0	0	0	0	1	0.009	14720	2469
1	0	0	0	0	0.000	1304	297

[1] “angioplastia”

Table 40: Angioplastia

death_readmission	Mean	Min	Median	Max	Standard Deviation	N	Missing
0	0.001	0	0	2	0.036	14720	2469
1	0.006	0	0	2	0.089	1304	297

[1] “cateterismo”

Table 41: Cateterismo

death_readmission	Mean	Min	Median	Max	Standard Deviation	N	Missing
0	0.123	0	0	7	0.404	14720	2469
1	0.164	0	0	5	0.470	1304	297

[1] “eletrofisiologia”

Table 42: Eletrofisiologia

death_readmission	Mean	Min	Median	Max	Standard Deviation	N	Missing
0	0.078	0	0	11	0.464	14720	2469
1	0.134	0	0	7	0.625	1304	297

[1] “suporte_hemod”

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

death_readmission	Mean	Min	Median	Max	Standard Deviation	N	Missing
0	0.099	0	0	535	5.286	14720	2469
1	0.473	0	0	177	8.307	1304	297

[1] “cateter_venoso_central”

Table 44: Cateter venoso central

death_readmission	Mean	Min	Median	Max	Standard Deviation	N	Missing
0	0.029	0	0	5	0.206	14720	2469
1	0.050	0	0	4	0.302	1304	297

[1] “drenagem_torax”

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

death_readmission	Mean	Min	Median	Max	Standard Deviation	N	Missing
0	0.005	0	0	5	0.104	14720	2469
1	0.020	0	0	6	0.259	1304	297

[1] “proced_invasivos_qtde”

Table 46: Quantidade de procedimentos invasivos

death_readmission	Mean	Min	Median	Max	Standard Deviation	N	Missing
0	0.549	0	0	554	5.666	14720	2469
1	1.084	0	0	197	8.998	1304	297

[1] “cve_desf”

Table 47: Cardioversão/ Desfibrilação (sessão)

death_readmission	Mean	Min	Median	Max	Standard Deviation	N	Missing
0	0.006	0	0	5	0.112	14720	3196
1	0.021	0	0	4	0.251	1304	408

[1] “transfusao”

Table 48: Transfusão de hemoderivados

death_readmission	Mean	Min	Median	Max	Standard Deviation	N	Missing
0	0.053	0	0	61	1.015	14720	2469
1	0.044	0	0	9	0.489	1304	297

[1] “interconsulta”

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

death_readmission	Mean	Min	Median	Max	Standard Deviation	N	Missing
0	0.422	0	0	199	3.520	14720	2469
1	0.332	0	0	40	2.096	1304	297

[1] “equipe_multiprof”

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

death_readmission	Mean	Min	Median	Max	Standard Deviation	N	Missing
0	3.372	0	0	420	15.173	14720	2469
1	5.265	0	1	318	18.721	1304	297

[1] “ecg”

Table 51: ECG

death_readmission	Mean	Min	Median	Max	Standard Deviation	N	Missing
0	4.035	0	2	141	6.377	14720	2469
1	5.485	0	3	140	8.255	1304	297

[1] “holter”

Table 52: Holter

death_readmission	Mean	Min	Median	Max	Standard Deviation	N	Missing
0	0.102	0	0	5	0.352	14720	2469
1	0.170	0	0	3	0.421	1304	297

[1] “teste_esforco”

Table 53: Teste de esforço

death_readmission	Mean	Min	Median	Max	Standard Deviation	N	Missing
0	0.011	0	0	3	0.108	14720	2469
1	0.007	0	0	1	0.083	1304	297

[1] “espiro_ergoespiro”

Table 54: Espirometria / Ergoespirometria

death_readmission	Mean	Min	Median	Max	Standard Deviation	N	Missing
0	0.004	0	0	2	0.067	14720	2469
1	0.008	0	0	1	0.089	1304	297

[1] “tilt_teste”

Table 55: Tilt Test

death_readmission	Mean	Min	Median	Max	Standard Deviation	N	Missing
0	0.002	0	0	2	0.047	14720	2469
1	0.007	0	0	1	0.083	1304	297

[1] “polissonografia”

Table 56: Polissonografia

death_readmission	Mean	Min	Median	Max	Standard Deviation	N	Missing
0	0.001	0	0	2	0.044	14720	2469
1	0.003	0	0	1	0.055	1304	297

[1] “metodos_graficos_qtde”

Table 57: Quantidade de exames por métodos gráficos

death_readmission	Mean	Min	Median	Max	Standard Deviation	N	Missing
0	4.155	0	2	143	6.507	14720	2469
1	5.679	0	3	140	8.358	1304	297

[1] “laboratorio”

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

death_readmission	Mean	Min	Median	Max	Standard Deviation	N	Missing
0	66.441	0	10	3608	201.656	14720	2469
1	99.928	0	17	2342	221.464	1304	297

[1] “cultura”

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

death_readmission	Mean	Min	Median	Max	Standard Deviation	N	Missing
0	0.363	0	0	48	1.588	14720	2469
1	0.469	0	0	16	1.429	1304	297

[1] “analises_clinicas_qtde”

Table 60: Quantidade de exames de análises clínicas

death_readmission	Mean	Min	Median	Max	Standard Deviation	N	Missing
0	66.804	0	10	3645	202.912	14720	2469
1	100.396	0	17	2354	222.608	1304	297

[1] “citologia”

Table 61: Citologias

death_readmission	Mean	Min	Median	Max	Standard Deviation	N	Missing
0	0.008	0	0	8	0.147	14720	2469
1	0.021	0	0	4	0.201	1304	297

[1] “biopsia”

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

death_readmission	Mean	Min	Median	Max	Standard Deviation	N	Missing
0	0.016	0	0	10	0.259	14720	2469
1	0.013	0	0	6	0.233	1304	297

[1] “histopatologia_qtde”

Table 63: Quantidade de exames histopatológicos

death_readmission	Mean	Min	Median	Max	Standard Deviation	N	Missing
0	0.024	0	0	10	0.304	14720	2469
1	0.034	0	0	7	0.332	1304	297

[1] “angio_rm”

Table 64: Angio RM

death_readmission	Mean	Min	Median	Max	Standard Deviation	N	Missing
0	0.004	0	0	4	0.086	14720	2469
1	0.003	0	0	2	0.070	1304	297

[1] “angio_tc”

Table 65: Angio TC

death_readmission	Mean	Min	Median	Max	Standard Deviation	N	Missing
0	0.035	0	0	9	0.248	14720	2469
1	0.054	0	0	3	0.307	1304	297

[1] “angiografia”

Table 66: Angiografia

death_readmission	Mean	Min	Median	Max	Standard Deviation	N	Missing
0	0.002	0	0	3	0.050	14720	2469
1	0.003	0	0	1	0.055	1304	297

[1] “aortografia”

Table 67: Aortografia

death_readmission	Mean	Min	Median	Max	Standard Deviation	N	Missing
0	0.002	0	0	2	0.052	14720	2469
1	0.002	0	0	1	0.045	1304	297

[1] “arteriografia”

Table 68: Arteriografia

death_readmission	Mean	Min	Median	Max	Standard Deviation	N	Missing
0	0.001	0	0	2	0.029	14720	2469
1	0.001	0	0	1	0.032	1304	297

[1] “cavografia”

Table 69: Cavografia

death_readmission	Mean	Min	Median	Max	Standard Deviation	N	Missing
0	0.008	0	0	1	0.089	14720	2469
1	0.002	0	0	1	0.045	1304	297

[1] “cintilografia”

Table 70: Cintilografia

death_readmission	Mean	Min	Median	Max	Standard Deviation	N	Missing
0	0.061	0	0	5	0.341	14720	2469
1	0.133	0	0	4	0.503	1304	297

[1] “ecocardiograma”

Table 71: Ecocardiograma

death_readmission	Mean	Min	Median	Max	Standard Deviation	N	Missing
0	0.558	0	0	24	1.286	14720	2469
1	0.776	0	0	18	1.507	1304	297

[1] “endoscopia”

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

death_readmission	Mean	Min	Median	Max	Standard Deviation	N	Missing
0	0.018	0	0	6	0.182	14720	2469
1	0.026	0	0	2	0.208	1304	297

[1] “flebografia”

Table 73: Flebografia

death_readmission	Mean	Min	Median	Max	Standard Deviation	N	Missing
0	0.035	0	0	5	0.287	14720	2469
1	0.047	0	0	5	0.335	1304	297

[1] “pet_ct”

Table 74: PET-CT

death_readmission	Mean	Min	Median	Max	Standard Deviation	N	Missing
0	0.005	0	0	3	0.078	14720	2469
1	0.009	0	0	2	0.104	1304	297

[1] “ultrassom”

Table 75: Ultrassom

death_readmission	Mean	Min	Median	Max	Standard Deviation	N	Missing
0	0.188	0	0	28	0.900	14720	2469
1	0.339	0	0	9	1.012	1304	297

[1] “tomografia”

Table 76: Tomografia

death_readmission	Mean	Min	Median	Max	Standard Deviation	N	Missing
0	0.172	0	0	15	0.716	14720	2469
1	0.214	0	0	9	0.709	1304	297

[1] “radiografia”

Table 77: Radiografias

death_readmission	Mean	Min	Median	Max	Standard Deviation	N	Missing
0	3.290	0	2	261	8.827	14720	2469
1	4.435	0	2	184	9.739	1304	297

[1] “ressonancia”

Table 78: Ressonancia magnetica

death_readmission	Mean	Min	Median	Max	Standard Deviation	N	Missing
0	0.069	0	0	6	0.300	14720	2469
1	0.124	0	0	3	0.388	1304	297

[1] “exames_imagem_qtde”

Table 79: Quantidade de exames diagnóstico por imagem

death_readmission	Mean	Min	Median	Max	Standard Deviation	N	Missing
0	4.447	0	2	281	10.826	14720	2469
1	6.166	0	3	200	11.768	1304	297

[1] “dieta_enteral”

Table 80: Dieta enteral (frasco)

death_readmission	Mean	Min	Median	Max	Standard Deviation	N	Missing
0	0.051	0	0	195	2.381	14720	3198
1	0.290	0	0	115	5.384	1304	408

[1] “dieta_parenteral”

Table 81: Dieta parenteral (frasco)

death_readmission	Mean	Min	Median	Max	Standard Deviation	N	Missing
0	0.002	0	0	14	0.141	14720	3198
1	0.008	0	0	5	0.174	1304	408

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 death readmission and Sexo

	Sexo		
death_readmission	0	1	Total
0	7033 (93%)	7687 (91%)	14720
1	531 (7%)	773 (9%)	1304
Total	7564 (100%)	8460 (100%)	16024

Table 83: Contingency table between death readmission and Doença cardíaca

	Doença cardíaca				
death_readmission	0	1	2	NA	Total
0	8605 (93%)	1057 (90%)	3199 (91%)	1859 (91%)	14720
1	679 (7%)	115 (10%)	332 (9%)	178 (9%)	1304
Total	9284 (100%)	1172 (100%)	3531 (100%)	2037 (100%)	16024

Table 84: Contingency table between death readmission and Hipertensão arterial

	Hipertensão arterial		
death_readmission	0	1	Total
0	11043 (91%)	3677 (95%)	14720
1	1097 (9%)	207 (5%)	1304
Total	12140 (100%)	3884 (100%)	16024

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

	Infarto do miocárdio prévio / Doença arterial coronariana		
death_readmission	0	1	Total
0	13382 (92%)	1338 (91%)	14720
1	1164 (8%)	140 (9%)	1304
Total	14546 (100%)	1478 (100%)	16024

Table 86: Contingency table between death readmission and Insuficiência cardíaca

	Insuficiência cardíaca		
death_readmission	0	1	Total
0	9532 (93%)	5188 (89%)	14720
1	674 (7%)	630 (11%)	1304
Total	10206 (100%)	5818 (100%)	16024

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

	Fibrilação / flutter atrial		
death_readmission	0	1	Total
0	12534 (92%)	2186 (90%)	14720
1	1074 (8%)	230 (10%)	1304
Total	13608 (100%)	2416 (100%)	16024

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

	Parada cardíaca prévia/ Taquicardia ventricular instável		
death_readmission	0	1	Total
0	12990 (92%)	1730 (90%)	14720
1	1114 (8%)	190 (10%)	1304
Total	14104 (100%)	1920 (100%)	16024

Table 89: Contingency table between death readmission and Transplante cardíaco prévio

	Transplante cardíaco prévio		
death_readmission	0	1	Total
0	14709 (92%)	11 (85%)	14720
1	1302 (8%)	2 (15%)	1304
Total	16011 (100%)	13 (100%)	16024

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

	Valvopatias/ Prótese valvares		
death_readmission	0	1	Total
0	13755 (92%)	965 (90%)	14720
1	1193 (8%)	111 (10%)	1304
Total	14948 (100%)	1076 (100%)	16024

Table 91: Contingency table between death readmission and Endocardite prévia

	Endocardite prévia		
death_readmission	0	1	Total
0	14602 (92%)	118 (86%)	14720
1	1284 (8%)	20 (14%)	1304
Total	15886 (100%)	138 (100%)	16024

Table 92: Contingency table between death readmission and Diabetes melittus

	Diabetes melittus		
death_readmission	0	1	Total
0	12919 (92%)	1801 (93%)	14720
1	1160 (8%)	144 (7%)	1304
Total	14079 (100%)	1945 (100%)	16024

Table 93: Contingency table between death readmission and Insuficiência renal crônica

	Insuficiência renal crônica		
death_readmission	0	1	Total
0	14146 (92%)	574 (88%)	14720
1	1228 (8%)	76 (12%)	1304
Total	15374 (100%)	650 (100%)	16024

Table 94: Contingency table between death readmission and Hemodiálise

	Hemodiálise		
death_readmission	0	1	Total
0	14701 (92%)	19 (86%)	14720
1	1301 (8%)	3 (14%)	1304
Total	16002 (100%)	22 (100%)	16024

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

	Acidente Vascular Cerebral/ Acidente isquêmico transitório prévios		
death_readmission	0	1	Total
0	14247 (92%)	473 (93%)	14720
1	1271 (8%)	33 (7%)	1304
Total	15518 (100%)	506 (100%)	16024

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

	Doença pulmonar obstrutiva crônica		
death_readmission	0	1	Total
0	14513 (92%)	207 (95%)	14720
1	1292 (8%)	12 (5%)	1304
Total	15805 (100%)	219 (100%)	16024

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

	Neoplasia em tratamento ou tratada recentemente (12 meses)		
death_readmission	0	1	Total
0	14615 (92%)	105 (91%)	14720
1	1294 (8%)	10 (9%)	1304
Total	15909 (100%)	115 (100%)	16024

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

	Tipo de Procedimento 1		
death_readmission	1	2	Total
0	10156 (91%)	4564 (93%)	14720
1	973 (9%)	331 (7%)	1304
Total	11129 (100%)	4895 (100%)	16024

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

	Tipo de Reoperação 1				
death_readmission	1	2	3	NA	Total
0	3675 (94%)	857 (92%)	32 (94%)	10156 (91%)	14720
1	253 (6%)	76 (8%)	2 (6%)	973 (9%)	1304
Total	3928 (100%)	933 (100%)	34 (100%)	11129 (100%)	16024

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

	Tipo de Dispositivo ao final do procedimento 1				
death_readmission	1	2	3	4	Total
0	11688 (94%)	1548 (86%)	1105 (85%)	379 (82%)	14720
1	787 (6%)	243 (14%)	193 (15%)	81 (18%)	1304
Total	12475 (100%)	1791 (100%)	1298 (100%)	460 (100%)	16024

Table 101: Contingency table between death readmission and Óbito intraoperatório 1

	Óbito intraoperatório 1		
death_readmission	0	1	Total
0	14713 (92%)	7 (100%)	14720
1	1304 (8%)	0 (0%)	1304
Total	16017 (100%)	7 (100%)	16024

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

	Tipo de Reoperação 2				
death_readmission	1	2	3	NA	Total
0	3082 (95%)	1313 (88%)	106 (88%)	10219 (92%)	14720
1	178 (5%)	180 (12%)	15 (12%)	931 (8%)	1304
Total	3260 (100%)	1493 (100%)	121 (100%)	11150 (100%)	16024

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

	Tipo de Dispositivo ao final do procedimento 2					
death_readmission	1	2	3	4	NA	Total
0	3449 (95%)	568 (88%)	337 (87%)	148 (73%)	10218 (92%)	14720
1	189 (5%)	77 (12%)	51 (13%)	55 (27%)	932 (8%)	1304
Total	3638 (100%)	645 (100%)	388 (100%)	203 (100%)	11150 (100%)	16024

Table 104: Contingency table between death readmission and Óbito intraoperatório 2

	Óbito intraoperatório 2		
death_readmission	0	NA	Total
0	4508 (92%)	10212 (92%)	14720
1	373 (8%)	931 (8%)	1304
Total	4881 (100%)	11143 (100%)	16024

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

	Tipo de Reoperação 3				
death_readmission	1	2	3	NA	Total
0	685 (95%)	506 (87%)	47 (76%)	13482 (92%)	14720
1	39 (5%)	74 (13%)	15 (24%)	1176 (8%)	1304
Total	724 (100%)	580 (100%)	62 (100%)	14658 (100%)	16024

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

	Tipo de Dispositivo ao final do procedimento 3					
death_readmission	1	2	3	4	NA	Total
0	908 (94%)	224 (89%)	131 (82%)	75 (76%)	13382 (92%)	14720
1	60 (6%)	28 (11%)	29 (18%)	24 (24%)	1163 (8%)	1304
Total	968 (100%)	252 (100%)	160 (100%)	99 (100%)	14545 (100%)	16024

Table 107: Contingency table between death readmission and Óbito intraoperatório 3

	Óbito intraoperatório 3			
death_readmission	0	1	NA	Total
0	1339 (91%)	0 (0%)	13381 (92%)	14720
1	137 (9%)	4 (100%)	1163 (8%)	1304
Total	1476 (100%)	4 (100%)	14544 (100%)	16024

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

	Tipo de Reoperação 4				
death_readmission	1	2	3	NA	Total
0	177 (92%)	214 (85%)	32 (97%)	14297 (92%)	14720
1	15 (8%)	37 (15%)	1 (3%)	1251 (8%)	1304
Total	192 (100%)	251 (100%)	33 (100%)	15548 (100%)	16024

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

	Tipo de Dispositivo ao final do procedimento 4					
death_readmission	1	2	3	4	NA	Total
0	265 (92%)	97 (88%)	35 (78%)	35 (83%)	14288 (92%)	14720
1	23 (8%)	13 (12%)	10 (22%)	7 (17%)	1251 (8%)	1304
Total	288 (100%)	110 (100%)	45 (100%)	42 (100%)	15539 (100%)	16024

Table 110: Contingency table between death readmission and Óbito intraoperatório 4

	Óbito intraoperatório 4		
death_readmission	0	NA	Total
0	432 (89%)	14288 (92%)	14720
1	53 (11%)	1251 (8%)	1304
Total	485 (100%)	15539 (100%)	16024

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

	Tipo de Reoperação 5				
death_readmission	1	2	3	NA	Total
0	64 (90%)	94 (89%)	13 (93%)	14549 (92%)	14720
1	7 (10%)	12 (11%)	1 (7%)	1284 (8%)	1304
Total	71 (100%)	106 (100%)	14 (100%)	15833 (100%)	16024

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

	Tipo de Dispositivo ao final do procedimento 5					
death_readmission	1	2	3	4	NA	Total
0	93 (93%)	49 (88%)	18 (82%)	11 (85%)	14549 (92%)	14720
1	7 (7%)	7 (12%)	4 (18%)	2 (15%)	1284 (8%)	1304
Total	100 (100%)	56 (100%)	22 (100%)	13 (100%)	15833 (100%)	16024

Table 113: Contingency table between death readmission and Óbito intraoperatório 5

	Óbito intraoperatório 5		
death_readmission	0	NA	Total
0	172 (90%)	14548 (92%)	14720
1	20 (10%)	1284 (8%)	1304
Total	192 (100%)	15832 (100%)	16024

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

	Tipo de Reoperação 6				
death_readmission	1	2	3	NA	Total
0	24 (92%)	37 (80%)	5 (83%)	14654 (92%)	14720
1	2 (8%)	9 (20%)	1 (17%)	1292 (8%)	1304
Total	26 (100%)	46 (100%)	6 (100%)	15946 (100%)	16024

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

	Tipo de Dispositivo ao final do procedimento 6					
death_readmission	1	2	3	4	NA	Total
0	37 (92%)	22 (88%)	4 (57%)	6 (67%)	14651 (92%)	14720
1	3 (7%)	3 (12%)	3 (43%)	3 (33%)	1292 (8%)	1304
Total	40 (100%)	25 (100%)	7 (100%)	9 (100%)	15943 (100%)	16024

Table 116: Contingency table between death readmission and Óbito intraoperatório 6

	Óbito intraoperatório 6		
death_readmission	0	NA	Total
0	69 (85%)	14651 (92%)	14720
1	12 (15%)	1292 (8%)	1304
Total	81 (100%)	15943 (100%)	16024

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

	Tipo de Reoperação 7				
death_readmission	1	2	3	NA	Total
0	9 (90%)	16 (89%)	3 (75%)	14692 (92%)	14720
1	1 (10%)	2 (11%)	1 (25%)	1300 (8%)	1304
Total	10 (100%)	18 (100%)	4 (100%)	15992 (100%)	16024

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

	Tipo de Dispositivo ao final do procedimento 7					
death_readmission	1	2	3	4	NA	Total
0	12 (92%)	12 (92%)	0 (0%)	4 (100%)	14692 (92%)	14720
1	1 (8%)	1 (8%)	1 (100%)	0 (0%)	1301 (8%)	1304
Total	13 (100%)	13 (100%)	1 (100%)	4 (100%)	15993 (100%)	16024

Table 119: Contingency table between death readmission and Óbito intraoperatório 7

	Óbito intraoperatório 7		
death_readmission	0	NA	Total
0	28 (88%)	14692 (92%)	14720
1	4 (12%)	1300 (8%)	1304
Total	32 (100%)	15992 (100%)	16024

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

	Tipo de Reoperação 8		
death_readmission	TRUE	NA	Total
0	10 (83%)	14710 (92%)	14720
1	2 (17%)	1302 (8%)	1304
Total	12 (100%)	16012 (100%)	16024

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

	Tipo de Dispositivo ao final do procedimento 8		
death_readmission	TRUE	NA	Total
0	10 (83%)	14710 (92%)	14720
1	2 (17%)	1302 (8%)	1304
Total	12 (100%)	16012 (100%)	16024

Table 122: Contingency table between death readmission and Óbito intraoperatório 8

	Óbito intraoperatório 8		
death_readmission	FALSE	NA	Total
0	10 (83%)	14710 (92%)	14720
1	2 (17%)	1302 (8%)	1304
Total	12 (100%)	16012 (100%)	16024

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

	Tipo de Reoperação 9		
death_readmission	TRUE	NA	Total
0	4 (80%)	14716 (92%)	14720
1	1 (20%)	1303 (8%)	1304
Total	5 (100%)	16019 (100%)	16024

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

	Tipo de Dispositivo ao final do procedimento 9		
death_readmission	TRUE	NA	Total
0	4 (80%)	14716 (92%)	14720
1	1 (20%)	1303 (8%)	1304
Total	5 (100%)	16019 (100%)	16024

Table 125: Contingency table between death readmission and Óbito intraoperatório 9

	Óbito intraoperatório 9		
death_readmission	FALSE	NA	Total
0	4 (80%)	14716 (92%)	14720
1	1 (20%)	1303 (8%)	1304
Total	5 (100%)	16019 (100%)	16024

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

	Tipo de Reoperação 10		
death_readmission	TRUE	NA	Total
0	1 (100%)	14719 (92%)	14720
1	0 (0%)	1304 (8%)	1304
Total	1 (100%)	16023 (100%)	16024

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

	Tipo de Dispositivo ao final do procedimento 10		
death_readmission	TRUE	NA	Total
0	1 (100%)	14719 (92%)	14720
1	0 (0%)	1304 (8%)	1304
Total	1 (100%)	16023 (100%)	16024

Table 128: Contingency table between death readmission and Óbito intraoperatório 10

	Óbito intraoperatório 10		
death_readmission	FALSE	NA	Total
0	1 (100%)	14719 (92%)	14720
1	0 (0%)	1304 (8%)	1304
Total	1 (100%)	16023 (100%)	16024

Table 129: Contingency table between death readmission 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			
death_readmission	0	1	NA	Total
0	4279 (93%)	223 (80%)	10218 (92%)	14720
1	315 (7%)	57 (20%)	932 (8%)	1304
Total	4594 (100%)	280 (100%)	11150 (100%)	16024

Table 130: Contingency table between death readmission 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			
death_readmission	0	1	NA	Total
0	1262 (91%)	76 (81%)	13382 (92%)	14720
1	123 (9%)	18 (19%)	1163 (8%)	1304
Total	1385 (100%)	94 (100%)	14545 (100%)	16024

Table 131: Contingency table between death readmission 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			
death_readmission	0	1	NA	Total
0	409 (89%)	23 (82%)	14288 (92%)	14720
1	48 (11%)	5 (18%)	1251 (8%)	1304
Total	457 (100%)	28 (100%)	15539 (100%)	16024

Table 132: Contingency table between death readmission 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			
death_readmission	0	1	NA	Total
0	165 (91%)	6 (67%)	14549 (92%)	14720
1	17 (9%)	3 (33%)	1284 (8%)	1304
Total	182 (100%)	9 (100%)	15833 (100%)	16024

Table 133: Contingency table between death readmission 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			
death_readmission	0	1	NA	Total
0	65 (88%)	4 (57%)	14651 (92%)	14720
1	9 (12%)	3 (43%)	1292 (8%)	1304
Total	74 (100%)	7 (100%)	15943 (100%)	16024

Table 134: Contingency table between death readmission 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			
death_readmission	0	1	NA	Total
0	26 (93%)	2 (67%)	14692 (92%)	14720
1	2 (7%)	1 (33%)	1301 (8%)	1304
Total	28 (100%)	3 (100%)	15993 (100%)	16024

Table 135: Contingency table between death readmission 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			
death_readmission	FALSE	TRUE	NA	Total
0	10 (91%)	0 (0%)	14710 (92%)	14720
1	1 (9%)	1 (100%)	1302 (8%)	1304
Total	11 (100%)	1 (100%)	16012 (100%)	16024

Table 136: Contingency table between death readmission 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		
death_readmission	FALSE	NA	Total
0	4 (80%)	14716 (92%)	14720
1	1 (20%)	1303 (8%)	1304
Total	5 (100%)	16019 (100%)	16024

Table 137: Contingency table between death readmission 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		
death_readmission	FALSE	NA	Total
0	1 (100%)	14719 (92%)	14720
1	0 (0%)	1304 (8%)	1304
Total	1 (100%)	16023 (100%)	16024

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

	Diálise durante os episódios de hospitalização		
death_readmission	0	1	Total
0	14682 (92%)	38 (62%)	14720
1	1281 (8%)	23 (38%)	1304
Total	15963 (100%)	61 (100%)	16024

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

	UTI durante os episódios de hospitalização		
death_readmission	0	1	Total
0	11800 (94%)	2920 (86%)	14720
1	820 (6%)	484 (14%)	1304
Total	12620 (100%)	3404 (100%)	16024

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

	Admissão em até 180 dias antes da T0		
death_readmission	0	1	Total
0	13810 (93%)	910 (82%)	14720
1	1099 (7%)	205 (18%)	1304
Total	14909 (100%)	1115 (100%)	16024

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

	Readmissões pós-T0 com diálise				
death_readmission	0	1	2	3	Total
0	14714 (92%)	5 (26%)	1 (50%)	0 (0%)	14720
1	1288 (8%)	14 (74%)	1 (50%)	1 (100%)	1304
Total	16002 (100%)	19 (100%)	2 (100%)	1 (100%)	16024

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

	Desfecho principal da admissão T0		
death_readmission	0	1	Total
0	14462 (92%)	258 (100%)	14720
1	1304 (8%)	0 (0%)	1304
Total	15766 (100%)	258 (100%)	16024

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

	Readmissão cirúrgica em até 30 dias		
death_readmission	0	1	Total
0	14603 (92%)	117 (85%)	14720
1	1284 (8%)	20 (15%)	1304
Total	15887 (100%)	137 (100%)	16024

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

	Readmissão cirúrgica entre 31 a 60 dias		
death_readmission	0	1	Total
0	14641 (92%)	79 (85%)	14720
1	1290 (8%)	14 (15%)	1304
Total	15931 (100%)	93 (100%)	16024

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

	Readmissão cirúgica entre 61 a 180 dias		
death_readmission	0	1	Total
0	14591 (92%)	129 (87%)	14720
1	1284 (8%)	20 (13%)	1304
Total	15875 (100%)	149 (100%)	16024

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

	Readmissão cirúrgica em até 1 ano		
death_readmission	0	1	Total
0	14608 (92%)	112 (85%)	14720
1	1284 (8%)	20 (15%)	1304
Total	15892 (100%)	132 (100%)	16024

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

	Desfecho final do estudo			
death_readmission	1	2	3	Total
0	1494 (53%)	7729 (100%)	5497 (100%)	14720
1	1304 (47%)	0 (0%)	0 (0%)	1304
Total	2798 (100%)	7729 (100%)	5497 (100%)	16024

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

	Ventilação mecânica / IOT		
death_readmission	1	NA	Total
0	2684 (90%)	12036 (92%)	14720
1	300 (10%)	1004 (8%)	1304
Total	2984 (100%)	13040 (100%)	16024