

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] "admission_t0_emergency"

Table 1: Diárias no serviço de Emergência na admissão T0

death_intraop	Mean	Min	Median	Max	Standard Deviation	N	Missing
0	0.322	0	0	28	1.368	16013	6002
1	0.000	0	0	0	0.000	11	6

[1] “aco”

Table 2: Anticoagulantes orais

death_intraop	Mean	Min	Median	Max	Standard Deviation	N	Missing
0	0.303	0	0	98	2.452	16013	3516
1	0.000	0	0	0	0.000	11	3

[1] “antiarritmico”

Table 3: Antiarrítmicos

death_intraop	Mean	Min	Median	Max	Standard Deviation	N	Missing
0	4.26	0	0	844	21.301	16013	3516
1	1.75	0	0	14	4.950	11	3

[1] “antihipertensivo”

Table 4: Antihipertensivo

death_intraop	Mean	Min	Median	Max	Standard Deviation	N	Missing
0	0.504	0	0	349	5.577	16013	3516
1	0.000	0	0	0	0.000	11	3

[1] “betabloqueador”

Table 5: Betabloqueador

death_intraop	Mean	Min	Median	Max	Standard Deviation	N	Missing
0	1.111	0	0	388	8.099	16013	3516
1	1.125	0	0	9	3.182	11	3

[1] “ieca_bra”

Table 6: IECA/BRA

death_intraop	Mean	Min	Median	Max	Standard Deviation	N	Missing
0	9.063	0	2	773	22.421	16013	3516
1	3.125	0	0	23	8.061	11	3

[1] “dva”

Table 7: DVA

death_intraop	Mean	Min	Median	Max	Standard Deviation	N	Missing
0	7.59	0	0	1917	47.136	16013	3516
1	38.00	0	34	106	40.553	11	3

[1] “digoxina”

Table 8: Digoxina

death_intraop	Mean	Min	Median	Max	Standard Deviation	N	Missing
0	0.237	0	0	50	1.685	16013	3516
1	0.000	0	0	0	0.000	11	3

[1] “estatina”

Table 9: Estatinas

death_intraop	Mean	Min	Median	Max	Standard Deviation	N	Missing
0	5.29	0	0	421	17.166	16013	3516
1	7.50	0	0	60	21.213	11	3

[1] “diuretico”

Table 10: Diuretico

death_intraop	Mean	Min	Median	Max	Standard Deviation	N	Missing
0	11.834	0	0	2966	70.182	16013	3516
1	7.625	0	0	45	16.106	11	3

[1] “vasodilatador”

Table 11: Vasodilator

death_intraop	Mean	Min	Median	Max	Standard Deviation	N	Missing
0	10.352	0	0	3820.5	64.574	16013	3516
1	9.000	0	0	58.0	20.396	11	3

[1] “insuf_cardiaca”

Table 12: Insuficiência cardíaca (ivabradina, levosimendan, milrinona, nesiritida, carvedilol)

death_intraop	Mean	Min	Median	Max	Standard Deviation	N	Missing
0	4.656	0	0	453	17.158	16013	3516
1	2.125	0	0	9	3.944	11	3

[1] “espironolactona”

Table 13: Antagonista da Aldosterona (espironolactona)

death_intraop	Mean	Min	Median	Max	Standard Deviation	N	Missing
0	2.157	0	0	255	8.366	16013	3516
1	0.000	0	0	0	0.000	11	3

[1] “bloq_calcio”

Table 14: Bloqueador do canal de calcio

death_intraop	Mean	Min	Median	Max	Standard Deviation	N	Missing
0	0.631	0	0	509	9.63	16013	3516
1	0.000	0	0	0	0.00	11	3

[1] “trombolitico”

Table 15: Trombolitico

death_intraop	Mean	Min	Median	Max	Standard Deviation	N	Missing
0	0.001	0	0	3	0.047	16013	3516
1	0.000	0	0	0	0.000	11	3

[1] “antiplaquetario_vo”

Table 16: Antiplaquetario VO

death_intraop	Mean	Min	Median	Max	Standard Deviation	N	Missing
0	0	0	0	0	0	16013	3516
1	0	0	0	0	0	11	3

[1] “antiplaquetario_ev”

Table 17: Antiplaquetario EV

death_intraop	Mean	Min	Median	Max	Standard Deviation	N	Missing
0	0.011	0	0	8	0.179	16013	3516
1	0.000	0	0	0	0.000	11	3

[1] “insulina”

Table 18: Insulina

death_intraop	Mean	Min	Median	Max	Standard Deviation	N	Missing
0	0.103	0	0	16	0.502	16013	3516
1	0.000	0	0	0	0.000	11	3

[1] “hipoglicemiante”

Table 19: Hipoglicemiante

death_intraop	Mean	Min	Median	Max	Standard Deviation	N	Missing
0	0.353	0	0	90	2.819	16013	3516
1	0.000	0	0	0	0.000	11	3

[1] “hormonio_tireoidiano”

Table 20: Hormonio tireoidiano

death_intraop	Mean	Min	Median	Max	Standard Deviation	N	Missing
0	0	0	0	0	0	16013	3516
1	0	0	0	0	0	11	3

[1] “broncodilatador”

Table 21: Broncodiltador

death_intraop	Mean	Min	Median	Max	Standard Deviation	N	Missing
0	0	0	0	0	0	16013	3516
1	0	0	0	0	0	11	3

[1] “anticonvulsivante”

Table 22: Anticonvulsivante

death_intraop	Mean	Min	Median	Max	Standard Deviation	N	Missing
0	1.044	0	0	390	11.623	16013	3516
1	0.000	0	0	0	0.000	11	3

[1] “psicofarmacos”

Table 23: Psicofármacos (Ansiolítico/ antidepresivo/ antipsicótico)

death_intraop	Mean	Min	Median	Max	Standard Deviation	N	Missing
0	4.053	0	0.0	573	14.723	16013	3516
1	3.000	0	0.5	14	4.928	11	3

[1] “atb”

Table 24: Antibióticos

death_intraop	Mean	Min	Median	Max	Standard Deviation	N	Missing
0	15.128	0	4	1812	63.804	16013	3516
1	13.875	0	4	85	28.931	11	3

[1] “antifungico”

Table 25: Antifúngicos

death_intraop	Mean	Min	Median	Max	Standard Deviation	N	Missing
0	0.453	0	0	122	4.4	16013	3516
1	0.000	0	0	0	0.0	11	3

[1] “antiviral”

Table 26: Antiviral

death_intraop	Mean	Min	Median	Max	Standard Deviation	N	Missing
0	0.122	0	0	131	2.737	16013	3516
1	0.000	0	0	0	0.000	11	3

[1] “antiretroviral”

Table 27: Antiretroviral

death_intraop	Mean	Min	Median	Max	Standard Deviation	N	Missing
0	0.008	0	0	32	0.444	16013	3516
1	0.000	0	0	0	0.000	11	3

[1] “classe_meds_qtde”

Table 28: Quantidade de classes medicamentosas utilizadas

death_intraop	Mean	Min	Median	Max	Standard Deviation	N	Missing
0	4.808	1	4	17	2.586	16013	5009
1	4.333	2	4	7	1.966	11	5

[1] “classe_meds_cardio_qtde”

Table 29: Quantidade de classes medicamentosas de ação cardiovascular

death_intraop	Mean	Min	Median	Max	Standard Deviation	N	Missing
0	3.149	1	3	10	1.786	16013	6590
1	2.500	1	2	5	1.761	11	5

[1] “meds_cardiovasc_qtde”

Table 30: Quantidade de medicamentos de ação cardiovascular

death_intraop	Mean	Min	Median	Max	Standard Deviation	N	Missing
0	52.396	0	10	8738	181.163	16013	3516
1	62.750	0	62	133	57.291	11	3

[1] “meds_antimicrobianos”

Table 31: Quantidade de antimicrobianos (antibióticos e antifúngicos)

death_intraop	Mean	Min	Median	Max	Standard Deviation	N	Missing
0	15.581	0	4	1812	65.557	16013	3516
1	13.875	0	4	85	28.931	11	3

[1] “vni”

Table 32: Ventilação não invasiva

death_intraop	Mean	Min	Median	Max	Standard Deviation	N	Missing
0	0.048	0	0	114	1.55	16013	2763
1	0.000	0	0	0	0.00	11	3

[1] “cec”

Table 33: Instalação de CEC

death_intraop	Mean	Min	Median	Max	Standard Deviation	N	Missing
0	0.013	0	0	2	0.114	16013	2763
1	0.125	0	0	1	0.354	11	3

[1] “cir_cardiovascular”

Table 34: Cirurgia Cardiovascular

death_intraop	Mean	Min	Median	Max	Standard Deviation	N	Missing
0	0.059	0	0	9	0.388	16013	2763
1	0.250	0	0	1	0.463	11	3

[1] “transplante_cardiaco”

Table 35: Transplante cardíaco

death_intraop	Mean	Min	Median	Max	Standard Deviation	N	Missing
0	0.002	0	0	1	0.041	16013	2763
1	0.000	0	0	0	0.000	11	3

[1] “cir_toracica”

Table 36: Cirurgia Toracica

death_intraop	Mean	Min	Median	Max	Standard Deviation	N	Missing
0	0.004	0	0	9	0.106	16013	2763
1	0.000	0	0	0	0.000	11	3

[1] “outros_proced_cirurgicos”

Table 37: Outros procedimentos cirúrgicos (cir geral, gastrocir, plástica, uro, vascular)

death_intraop	Mean	Min	Median	Max	Standard Deviation	N	Missing
0	0.117	0	0	22	0.583	16013	2763
1	0.000	0	0	0	0.000	11	3

[1] “traqueostomia”

Table 38: Traqueostomia

death_intraop	Mean	Min	Median	Max	Standard Deviation	N	Missing
0	0.002	0	0	8	0.09	16013	2763
1	0.000	0	0	0	0.00	11	3

[1] “icp”

Table 39: Intervenção coronária percutânea

death_intraop	Mean	Min	Median	Max	Standard Deviation	N	Missing
0	0.012	0	0	4	0.139	16013	2763
1	0.000	0	0	0	0.000	11	3

[1] “intervencao_cv”

Table 40: Intervenção cardiovascular em laboratório de hemodinâmica (alcoolização septal, valvoplastia percutânea, stent em vasos pulmonares)

death_intraop	Mean	Min	Median	Max	Standard Deviation	N	Missing
0	0.007	0	0	3	0.116	16013	2763
1	0.000	0	0	0	0.000	11	3

[1] “stent”

Table 41: Stent

death_intraop	Mean	Min	Median	Max	Standard Deviation	N	Missing
0	0	0	0	1	0.009	16013	2763
1	0	0	0	0	0.000	11	3

[1] “angioplastia”

Table 42: Angioplastia

death_intraop	Mean	Min	Median	Max	Standard Deviation	N	Missing
0	0.002	0	0	2	0.043	16013	2763
1	0.000	0	0	0	0.000	11	3

[1] “cateterismo”

Table 43: Cateterismo

death_intraop	Mean	Min	Median	Max	Standard Deviation	N	Missing
0	0.126	0	0	7	0.409	16013	2763
1	0.250	0	0	1	0.463	11	3

[1] “eletrofisiologia”

Table 44: Eletrofisiologia

death_intraop	Mean	Min	Median	Max	Standard Deviation	N	Missing
0	0.083	0	0	11	0.478	16013	2763
1	0.000	0	0	0	0.000	11	3

[1] “suporte_hemod”

Table 45: Suporte cardiocirculatório (ECMO, BIA, Bio-PUMP)

death_intraop	Mean	Min	Median	Max	Standard Deviation	N	Missing
0	0.127	0	0	535	5.576	16013	2763
1	0.000	0	0	0	0.000	11	3

[1] “cateter_venoso_central”

Table 46: Cateter venoso central

death_intraop	Mean	Min	Median	Max	Standard Deviation	N	Missing
0	0.031	0	0	5	0.215	16013	2763
1	0.000	0	0	0	0.000	11	3

[1] “drenagem_torax”

Table 47: Drenagem de tórax (instalação /troca) e punção pericárdica ou pleural

death_intraop	Mean	Min	Median	Max	Standard Deviation	N	Missing
0	0.007	0	0	6	0.123	16013	2763
1	0.000	0	0	0	0.000	11	3

[1] “proced_invasivos_qtde”

Table 48: Quantidade de procedimentos invasivos

death_intraop	Mean	Min	Median	Max	Standard Deviation	N	Missing
0	0.590	0	0	554	5.988	16013	2763
1	0.625	0	0	2	0.916	11	3

[1] “cve_desf”

Table 49: Cardioversão/ Desfibrilação (sessão)

death_intraop	Mean	Min	Median	Max	Standard Deviation	N	Missing
0	0.006	0	0	5	0.124	16013	3601
1	0.375	0	0	3	1.061	11	3

[1] “transfusao”

Table 50: Transfusão de hemoderivados

death_intraop	Mean	Min	Median	Max	Standard Deviation	N	Missing
0	0.053	0	0	61	0.986	16013	2763
1	0.000	0	0	0	0.000	11	3

[1] “interconsulta”

Table 51: Interconsulta médica (Especialidades cirúrgicas, infecto, uro, nefro, psiquiatra, dermatol, alergista, oncologista, geriatra, etc)

death_intraop	Mean	Min	Median	Max	Standard Deviation	N	Missing
0	0.415	0	0	199	3.434	16013	2763
1	0.250	0	0	1	0.463	11	3

[1] “equipe_multiprof”

Table 52: Equipe Multiprofissional (enf, fono, fisio, nutri, serviço social, psicologia)

death_intraop	Mean	Min	Median	Max	Standard Deviation	N	Missing
0	3.516	0	0	420	15.483	16013	2763
1	1.875	0	1	9	3.044	11	3

[1] “ecg”

Table 53: ECG

death_intraop	Mean	Min	Median	Max	Standard Deviation	N	Missing
0	4.146	0	2.0	141	6.551	16013	2763
1	3.250	1	2.5	8	2.252	11	3

[1] “holter”

Table 54: Holter

death_intraop	Mean	Min	Median	Max	Standard Deviation	N	Missing
0	0.107	0	0	5	0.358	16013	2763
1	0.250	0	0	1	0.463	11	3

[1] “teste_esforco”

Table 55: Teste de esforço

death_intraop	Mean	Min	Median	Max	Standard Deviation	N	Missing
0	0.01	0	0	3	0.107	16013	2763
1	0.00	0	0	0	0.000	11	3

[1] “espiro_ergoespiro”

Table 56: Espirometria / Ergoespirometria

death_intraop	Mean	Min	Median	Max	Standard Deviation	N	Missing
0	0.004	0	0	2	0.069	16013	2763
1	0.000	0	0	0	0.000	11	3

[1] “tilt_teste”

Table 57: Tilt Test

death_intraop	Mean	Min	Median	Max	Standard Deviation	N	Missing
0	0.002	0	0	2	0.051	16013	2763
1	0.000	0	0	0	0.000	11	3

[1] “polissonografia”

Table 58: Polissonografia

death_intraop	Mean	Min	Median	Max	Standard Deviation	N	Missing
0	0.002	0	0	2	0.045	16013	2763
1	0.000	0	0	0	0.000	11	3

[1] “metodos_graficos_qtde”

Table 59: Quantidade de exames por métodos gráficos

death_intraop	Mean	Min	Median	Max	Standard Deviation	N	Missing
0	4.271	0	2.0	143	6.679	16013	2763
1	3.500	1	2.5	8	2.390	11	3

[1] “laboratorio”

Table 60: Exames laboratoriais (exames bioquímicos, exames hematologia/coagulação, anticorpos, dosagem sérica de fármacos)

death_intraop	Mean	Min	Median	Max	Standard Deviation	N	Missing
0	68.98	0	10	3608	203.459	16013	2763
1	76.75	0	28	270	106.274	11	3

[1] “cultura”

Table 61: Culturas (hemocultura, cultura de secreções, urocultura e cultura de cateteres)

death_intraop	Mean	Min	Median	Max	Standard Deviation	N	Missing
0	0.371	0	0	48	1.578	16013	2763
1	0.000	0	0	0	0.000	11	3

[1] “analises_clinicas_qtde”

Table 62: Quantidade de exames de análises clínicas

death_intraop	Mean	Min	Median	Max	Standard Deviation	N	Missing
0	69.351	0	10	3645	204.706	16013	2763
1	76.750	0	28	270	106.274	11	3

[1] “citologia”

Table 63: Citologias

death_intraop	Mean	Min	Median	Max	Standard Deviation	N	Missing
0	0.009	0	0	8	0.152	16013	2763
1	0.000	0	0	0	0.000	11	3

[1] “biopsia”

Table 64: Biopsias (cardíaca, esterno, parede torácica, tumor em mediastino, pulmonar)

death_intraop	Mean	Min	Median	Max	Standard Deviation	N	Missing
0	0.015	0	0	10	0.257	16013	2763
1	0.000	0	0	0	0.000	11	3

[1] “histopatologia_qtde”

Table 65: Quantidade de exames histopatológicos

death_intraop	Mean	Min	Median	Max	Standard Deviation	N	Missing
0	0.025	0	0	10	0.306	16013	2763
1	0.000	0	0	0	0.000	11	3

[1] “angio_rm”

Table 66: Angio RM

death_intraop	Mean	Min	Median	Max	Standard Deviation	N	Missing
0	0.004	0	0	4	0.085	16013	2763
1	0.000	0	0	0	0.000	11	3

[1] “angio_tc”

Table 67: Angio TC

death_intraop	Mean	Min	Median	Max	Standard Deviation	N	Missing
0	0.037	0	0	9	0.253	16013	2763
1	0.000	0	0	0	0.000	11	3

[1] “angiografia”

Table 68: Angiografia

death_intraop	Mean	Min	Median	Max	Standard Deviation	N	Missing
0	0.002	0	0	3	0.051	16013	2763
1	0.000	0	0	0	0.000	11	3

[1] “aortografia”

Table 69: Aortografia

death_intraop	Mean	Min	Median	Max	Standard Deviation	N	Missing
0	0.002	0	0	2	0.051	16013	2763
1	0.125	0	0	1	0.354	11	3

[1] “arteriografia”

Table 70: Arteriografia

death_intraop	Mean	Min	Median	Max	Standard Deviation	N	Missing
0	0.001	0	0	2	0.029	16013	2763
1	0.000	0	0	0	0.000	11	3

[1] “cavografia”

Table 71: Cavografia

death_intraop	Mean	Min	Median	Max	Standard Deviation	N	Missing
0	0.008	0	0	1	0.087	16013	2763
1	0.000	0	0	0	0.000	11	3

[1] “cintilografia”

Table 72: Cintilografia

death_intraop	Mean	Min	Median	Max	Standard Deviation	N	Missing
0	0.066	0	0	5	0.356	16013	2763
1	0.000	0	0	0	0.000	11	3

[1] “ecocardiograma”

Table 73: Ecocardiograma

death_intraop	Mean	Min	Median	Max	Standard Deviation	N	Missing
0	0.574	0	0.0	24	1.306	16013	2763
1	0.750	0	0.5	2	0.886	11	3

[1] “endoscopia”

Table 74: Exames endoscópicos (EDA, colonoscopia, retossigmoidoscopia, broncoscopia)

death_intraop	Mean	Min	Median	Max	Standard Deviation	N	Missing
0	0.019	0	0	6	0.184	16013	2763
1	0.000	0	0	0	0.000	11	3

[1] “flebografia”

Table 75: Flebografia

death_intraop	Mean	Min	Median	Max	Standard Deviation	N	Missing
0	0.036	0	0	5	0.291	16013	2763
1	0.000	0	0	0	0.000	11	3

[1] “pet_ct”

Table 76: PET-CT

death_intraop	Mean	Min	Median	Max	Standard Deviation	N	Missing
0	0.006	0	0	3	0.08	16013	2763
1	0.000	0	0	0	0.00	11	3

[1] “ultrassom”

Table 77: Ultrassom

death_intraop	Mean	Min	Median	Max	Standard Deviation	N	Missing
0	0.199	0	0	28	0.910	16013	2763
1	0.375	0	0	3	1.061	11	3

[1] “tomografia”

Table 78: Tomografia

death_intraop	Mean	Min	Median	Max	Standard Deviation	N	Missing
0	0.175	0	0	15	0.716	16013	2763
1	0.000	0	0	0	0.000	11	3

[1] “radiografia”

Table 79: Radiografias

death_intraop	Mean	Min	Median	Max	Standard Deviation	N	Missing
0	3.377	0	2	261	8.907	16013	2763
1	2.875	0	2	7	2.416	11	3

[1] “ressonancia”

Table 80: Ressonancia magnetica

death_intraop	Mean	Min	Median	Max	Standard Deviation	N	Missing
0	0.073	0	0	6	0.308	16013	2763
1	0.125	0	0	1	0.354	11	3

[1] “exames_imagem_qtde”

Table 81: Quantidade de exames diagnóstico por imagem

death_intraop	Mean	Min	Median	Max	Standard Deviation	N	Missing
0	4.578	0	2.0	281	10.912	16013	2763
1	4.250	0	2.5	11	4.132	11	3

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 intraop and Sexo

death_intraop	Sexo		Total
	0	1	
0	7559 (100%)	8454 (100%)	16013
1	5 (0%)	6 (0%)	11
Total	7564 (100%)	8460 (100%)	16024

Table 83: Contingency table between death intraop and Doença cardíaca

death_intraop	Doença cardíaca				Total
	0	1	2	NA	
0	9278 (100%)	1171 (100%)	3529 (100%)	2035 (100%)	16013
1	6 (0%)	1 (0%)	2 (0%)	2 (0%)	11
Total	9284 (100%)	1172 (100%)	3531 (100%)	2037 (100%)	16024

Table 84: Contingency table between death intraop and Hipertensão arterial

death_intraop	Hipertensão arterial		Total
	0	1	
0	12129 (100%)	3884 (100%)	16013
1	11 (0%)	0 (0%)	11
Total	12140 (100%)	3884 (100%)	16024

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

death_intraop	Infarto do miocárdio prévio / Doença arterial coronariana		Total
	0	1	
0	14537 (100%)	1476 (100%)	16013
1	9 (0%)	2 (0%)	11
Total	14546 (100%)	1478 (100%)	16024

Table 86: Contingency table between death intraop and Insuficiência cardíaca

death_intraop	Insuficiência cardíaca		Total
	0	1	
0	10202 (100%)	5811 (100%)	16013
1	4 (0%)	7 (0%)	11
Total	10206 (100%)	5818 (100%)	16024

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

death_intraop	Fibrilação / flutter atrial		Total
	0	1	
0	13599 (100%)	2414 (100%)	16013
1	9 (0%)	2 (0%)	11
Total	13608 (100%)	2416 (100%)	16024

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

death_intraop	Parada cardíaca prévia/ Taquicardia ventricular instável		Total
	0	1	
0	14095 (100%)	1918 (100%)	16013
1	9 (0%)	2 (0%)	11
Total	14104 (100%)	1920 (100%)	16024

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

death_intraop	Transplante cardíaco prévio		Total
	0	1	
0	16000 (100%)	13 (100%)	16013
1	11 (0%)	0 (0%)	11
Total	16011 (100%)	13 (100%)	16024

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

death_intraop	Valvopatias/ Prótese valvares		Total
	0	1	
0	14937 (100%)	1076 (100%)	16013
1	11 (0%)	0 (0%)	11
Total	14948 (100%)	1076 (100%)	16024

Table 91: Contingency table between death intraop and Endocardite prévia

death_intraop	Endocardite prévia		Total
	0	1	
0	15875 (100%)	138 (100%)	16013
1	11 (0%)	0 (0%)	11
Total	15886 (100%)	138 (100%)	16024

Table 92: Contingency table between death intraop and Diabetes melittus

death_intraop	Diabetes melittus		Total
	0	1	
0	14069 (100%)	1944 (100%)	16013
1	10 (0%)	1 (0%)	11
Total	14079 (100%)	1945 (100%)	16024

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

death_intraop	Insuficiência renal crônica		Total
	0	1	
0	15366 (100%)	647 (100%)	16013
1	8 (0%)	3 (0%)	11
Total	15374 (100%)	650 (100%)	16024

Table 94: Contingency table between death intraop and Hemodiálise

death_intraop	Hemodiálise		Total
	0	1	
0	15992 (100%)	21 (95%)	16013
1	10 (0%)	1 (5%)	11
Total	16002 (100%)	22 (100%)	16024

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

death_intraop	Acidente Vascular Cerebral/ Acidente isquêmico transitório prévios		Total
	0	1	
0	15508 (100%)	505 (100%)	16013
1	10 (0%)	1 (0%)	11
Total	15518 (100%)	506 (100%)	16024

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

death_intraop	Doença pulmonar obstrutiva crônica		Total
	0	1	
0	15794 (100%)	219 (100%)	16013
1	11 (0%)	0 (0%)	11
Total	15805 (100%)	219 (100%)	16024

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

death_intraop	Neoplasia em tratamento ou tratada recentemente (12 meses)		Total
	0	1	
0	15898 (100%)	115 (100%)	16013
1	11 (0%)	0 (0%)	11
Total	15909 (100%)	115 (100%)	16024

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

death_intraop	Tipo de Procedimento 1		Total
	1	2	
0	11119 (100%)	4894 (100%)	16013
1	10 (0%)	1 (0%)	11
Total	11129 (100%)	4895 (100%)	16024

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

death_intraop	Tipo de Reoperação 1				Total
	1	2	3	NA	
0	3928 (100%)	932 (100%)	34 (100%)	11119 (100%)	16013
1	0 (0%)	1 (0%)	0 (0%)	10 (0%)	11
Total	3928 (100%)	933 (100%)	34 (100%)	11129 (100%)	16024

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

death_intraop	Tipo de Dispositivo ao final do procedimento 1				Total
	1	2	3	4	
0	12469 (100%)	1788 (100%)	1296 (100%)	460 (100%)	16013
1	6 (0%)	3 (0%)	2 (0%)	0 (0%)	11
Total	12475 (100%)	1791 (100%)	1298 (100%)	460 (100%)	16024

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

death_intraop	Óbito intraoperatório 1		Total
	0	1	
0	16013 (100%)	0 (0%)	16013
1	4 (0%)	7 (100%)	11
Total	16017 (100%)	7 (100%)	16024

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

death_intraop	Tipo de Reoperação 2				Total
	1	2	3	NA	
0	3258 (100%)	1491 (100%)	121 (100%)	11143 (100%)	16013
1	2 (0%)	2 (0%)	0 (0%)	7 (0%)	11
Total	3260 (100%)	1493 (100%)	121 (100%)	11150 (100%)	16024

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

death_intraop	Tipo de Dispositivo ao final do procedimento 2					Total
	1	2	3	4	NA	
0	3638 (100%)	642 (100%)	387 (100%)	203 (100%)	11143 (100%)	16013
1	0 (0%)	3 (0%)	1 (0%)	0 (0%)	7 (0%)	11
Total	3638 (100%)	645 (100%)	388 (100%)	203 (100%)	11150 (100%)	16024

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

death_intraop	Óbito intraoperatório 2		Total
	0	NA	
0	4877 (100%)	11136 (100%)	16013
1	4 (0%)	7 (0%)	11
Total	4881 (100%)	11143 (100%)	16024

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

death_intraop	Tipo de Reoperação 3				Total
	1	2	3	NA	
0	724 (100%)	577 (99%)	61 (98%)	14651 (100%)	16013
1	0 (0%)	3 (1%)	1 (2%)	7 (0%)	11
Total	724 (100%)	580 (100%)	62 (100%)	14658 (100%)	16024

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

death_intraop	Tipo de Dispositivo ao final do procedimento 3					Total
	1	2	3	4	NA	
0	968 (100%)	249 (99%)	159 (99%)	99 (100%)	14538 (100%)	16013
1	0 (0%)	3 (1%)	1 (1%)	0 (0%)	7 (0%)	11
Total	968 (100%)	252 (100%)	160 (100%)	99 (100%)	14545 (100%)	16024

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

death_intraop	Óbito intraoperatório 3			Total
	0	1	NA	
0	1476 (100%)	0 (0%)	14537 (100%)	16013
1	0 (0%)	4 (100%)	7 (0%)	11
Total	1476 (100%)	4 (100%)	14544 (100%)	16024

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

death_intraop	Tipo de Reoperação 4				Total
	1	2	3	NA	
0	192 (100%)	251 (100%)	33 (100%)	15537 (100%)	16013
1	0 (0%)	0 (0%)	0 (0%)	11 (0%)	11
Total	192 (100%)	251 (100%)	33 (100%)	15548 (100%)	16024

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

death_intraop	Tipo de Dispositivo ao final do procedimento 4					Total
	1	2	3	4	NA	
0	288 (100%)	110 (100%)	45 (100%)	42 (100%)	15528 (100%)	16013
1	0 (0%)	0 (0%)	0 (0%)	0 (0%)	11 (0%)	11
Total	288 (100%)	110 (100%)	45 (100%)	42 (100%)	15539 (100%)	16024

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

death_intraop	Óbito intraoperatório 4		Total
	0	NA	
0	485 (100%)	15528 (100%)	16013
1	0 (0%)	11 (0%)	11
Total	485 (100%)	15539 (100%)	16024

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

death_intraop	Tipo de Reoperação 5				Total
	1	2	3	NA	
0	71 (100%)	106 (100%)	14 (100%)	15822 (100%)	16013
1	0 (0%)	0 (0%)	0 (0%)	11 (0%)	11
Total	71 (100%)	106 (100%)	14 (100%)	15833 (100%)	16024

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

death_intraop	Tipo de Dispositivo ao final do procedimento 5					Total
	1	2	3	4	NA	
0	100 (100%)	56 (100%)	22 (100%)	13 (100%)	15822 (100%)	16013
1	0 (0%)	0 (0%)	0 (0%)	0 (0%)	11 (0%)	11
Total	100 (100%)	56 (100%)	22 (100%)	13 (100%)	15833 (100%)	16024

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

death_intraop	Óbito intraoperatório 5		Total
	0	NA	
0	192 (100%)	15821 (100%)	16013
1	0 (0%)	11 (0%)	11
Total	192 (100%)	15832 (100%)	16024

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

death_intraop	Tipo de Reoperação 6				Total
	1	2	3	NA	
0	26 (100%)	46 (100%)	6 (100%)	15935 (100%)	16013
1	0 (0%)	0 (0%)	0 (0%)	11 (0%)	11
Total	26 (100%)	46 (100%)	6 (100%)	15946 (100%)	16024

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

death_intraop	Tipo de Dispositivo ao final do procedimento 6					Total
	1	2	3	4	NA	
0	40 (100%)	25 (100%)	7 (100%)	9 (100%)	15932 (100%)	16013
1	0 (0%)	0 (0%)	0 (0%)	0 (0%)	11 (0%)	11
Total	40 (100%)	25 (100%)	7 (100%)	9 (100%)	15943 (100%)	16024

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

death_intraop	Óbito intraoperatório 6		Total
	0	NA	
0	81 (100%)	15932 (100%)	16013
1	0 (0%)	11 (0%)	11
Total	81 (100%)	15943 (100%)	16024

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

death_intraop	Tipo de Reoperação 7				Total
	1	2	3	NA	
0	10 (100%)	18 (100%)	4 (100%)	15981 (100%)	16013
1	0 (0%)	0 (0%)	0 (0%)	11 (0%)	11
Total	10 (100%)	18 (100%)	4 (100%)	15992 (100%)	16024

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

death_intraop	Tipo de Dispositivo ao final do procedimento 7					Total
	1	2	3	4	NA	
0	13 (100%)	13 (100%)	1 (100%)	4 (100%)	15982 (100%)	16013
1	0 (0%)	0 (0%)	0 (0%)	0 (0%)	11 (0%)	11
Total	13 (100%)	13 (100%)	1 (100%)	4 (100%)	15993 (100%)	16024

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

death_intraop	Óbito intraoperatório 7		Total
	0	NA	
0	32 (100%)	15981 (100%)	16013
1	0 (0%)	11 (0%)	11
Total	32 (100%)	15992 (100%)	16024

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

death_intraop	Tipo de Reoperação 8			Total
	1	2	NA	
0	3 (100%)	9 (100%)	16001 (100%)	16013
1	0 (0%)	0 (0%)	11 (0%)	11
Total	3 (100%)	9 (100%)	16012 (100%)	16024

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

death_intraop	Tipo de Dispositivo ao final do procedimento 8				Total
	1	2	4	NA	
0	7 (100%)	4 (100%)	1 (100%)	16001 (100%)	16013
1	0 (0%)	0 (0%)	0 (0%)	11 (0%)	11
Total	7 (100%)	4 (100%)	1 (100%)	16012 (100%)	16024

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

death_intraop	Óbito intraoperatório 8		Total
	0	NA	
0	12 (100%)	16001 (100%)	16013
1	0 (0%)	11 (0%)	11
Total	12 (100%)	16012 (100%)	16024

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

death_intraop	Tipo de Reoperação 9		Total
	2	NA	
0	5 (100%)	16008 (100%)	16013
1	0 (0%)	11 (0%)	11
Total	5 (100%)	16019 (100%)	16024

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

death_intraop	Tipo de Dispositivo ao final do procedimento 9			Total
	1	2	NA	
0	3 (100%)	2 (100%)	16008 (100%)	16013
1	0 (0%)	0 (0%)	11 (0%)	11
Total	3 (100%)	2 (100%)	16019 (100%)	16024

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

death_intraop	Óbito intraoperatório 9		Total
	0	NA	
0	5 (100%)	16008 (100%)	16013
1	0 (0%)	11 (0%)	11
Total	5 (100%)	16019 (100%)	16024

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

death_intraop	Tipo de Reoperação 10		Total
	2	NA	
0	1 (100%)	16012 (100%)	16013
1	0 (0%)	11 (0%)	11
Total	1 (100%)	16023 (100%)	16024

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

death_intraop	Tipo de Dispositivo ao final do procedimento 10		Total
	2	NA	
0	1 (100%)	16012 (100%)	16013
1	0 (0%)	11 (0%)	11
Total	1 (100%)	16023 (100%)	16024

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

death_intraop	Óbito intraoperatório 10		Total
	0	NA	
0	1 (100%)	16012 (100%)	16013
1	0 (0%)	11 (0%)	11
Total	1 (100%)	16023 (100%)	16024

Table 129: Contingency table between death intraop and Mudança do tipo de DCEI: entre o Procedimento 1 e Procedimento 2

death_intraop	Mudança do tipo de DCEI: entre o Procedimento 1 e Procedimento 2			Total
	0	1	NA	
0	4592 (100%)	278 (99%)	11143 (100%)	16013
1	2 (0%)	2 (1%)	7 (0%)	11
Total	4594 (100%)	280 (100%)	11150 (100%)	16024

Table 130: Contingency table between death intraop and Mudança do tipo de DCEI: entre o Procedimento 2 e Procedimento 3

death_intraop	Mudança do tipo de DCEI: entre o Procedimento 2 e Procedimento 3			Total
	0	1	NA	
0	1381 (100%)	94 (100%)	14538 (100%)	16013
1	4 (0%)	0 (0%)	7 (0%)	11
Total	1385 (100%)	94 (100%)	14545 (100%)	16024

Table 131: Contingency table between death intraop and Mudança do tipo de DCEI: entre o Procedimento 3 e Procedimento 4

death_intraop	Mudança do tipo de DCEI: entre o Procedimento 3 e Procedimento 4			Total
	0	1	NA	
0	457 (100%)	28 (100%)	15528 (100%)	16013
1	0 (0%)	0 (0%)	11 (0%)	11
Total	457 (100%)	28 (100%)	15539 (100%)	16024

Table 132: Contingency table between death intraop and Mudança do tipo de DCEI: entre o Procedimento 4 e Procedimento 5

death_intraop	Mudança do tipo de DCEI: entre o Procedimento 4 e Procedimento 5			Total
	0	1	NA	
0	182 (100%)	9 (100%)	15822 (100%)	16013
1	0 (0%)	0 (0%)	11 (0%)	11
Total	182 (100%)	9 (100%)	15833 (100%)	16024

Table 133: Contingency table between death intraop and Mudança do tipo de DCEI: entre o Procedimento 5 e Procedimento 6

death_intraop	Mudança do tipo de DCEI: entre o Procedimento 5 e Procedimento 6			Total
	0	1	NA	
0	74 (100%)	7 (100%)	15932 (100%)	16013
1	0 (0%)	0 (0%)	11 (0%)	11
Total	74 (100%)	7 (100%)	15943 (100%)	16024

Table 134: Contingency table between death intraop and Mudança do tipo de DCEI: entre o Procedimento 6 e Procedimento 7

death_intraop	Mudança do tipo de DCEI: entre o Procedimento 6 e Procedimento 7			Total
	0	1	NA	
0	28 (100%)	3 (100%)	15982 (100%)	16013
1	0 (0%)	0 (0%)	11 (0%)	11
Total	28 (100%)	3 (100%)	15993 (100%)	16024

Table 135: Contingency table between death intraop and Mudança do tipo de DCEI: entre o Procedimento 7 e Procedimento 8

death_intraop	Mudança do tipo de DCEI: entre o Procedimento 7 e Procedimento 8			Total
	0	1	NA	
0	11 (100%)	1 (100%)	16001 (100%)	16013
1	0 (0%)	0 (0%)	11 (0%)	11
Total	11 (100%)	1 (100%)	16012 (100%)	16024

Table 136: Contingency table between death intraop and Mudança do tipo de DCEI: entre o Procedimento 8 e Procedimento 9

death_intraop	Mudança do tipo de DCEI: entre o Procedimento 8 e Procedimento 9			Total
	0		NA	
0	5 (100%)		16008 (100%)	16013
1	0 (0%)		11 (0%)	11
Total	5 (100%)		16019 (100%)	16024

Table 137: Contingency table between death intraop and Mudança do tipo de DCEI: entre o Procedimento 9 e Procedimento 10

death_intraop	Mudança do tipo de DCEI: entre o Procedimento 9 e Procedimento 10			Total
	0		NA	
0	1 (100%)		16012 (100%)	16013
1	0 (0%)		11 (0%)	11
Total	1 (100%)		16023 (100%)	16024

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

death_intraop	Diálise durante os episódios de hospitalização			Total
	0	1		
0	15952 (100%)	61 (100%)		16013
1	11 (0%)	0 (0%)		11
Total	15963 (100%)	61 (100%)		16024

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

death_intraop	UTI durante os episódios de hospitalização			Total
	0	1		
0	12612 (100%)	3401 (100%)		16013
1	8 (0%)	3 (0%)		11
Total	12620 (100%)	3404 (100%)		16024

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

death_intraop	Admissão em até 180 dias antes da T0		Total
	0	1	
0	14898 (100%)	1115 (100%)	16013
1	11 (0%)	0 (0%)	11
Total	14909 (100%)	1115 (100%)	16024

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

death_intraop	Readmissões pós-T0 com diálise				Total
	0	1	2	3	
0	15991 (100%)	19 (100%)	2 (100%)	1 (100%)	16013
1	11 (0%)	0 (0%)	0 (0%)	0 (0%)	11
Total	16002 (100%)	19 (100%)	2 (100%)	1 (100%)	16024

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

death_intraop	Desfecho principal da admissão T0		Total
	0	1	
0	15762 (100%)	251 (97%)	16013
1	4 (0%)	7 (3%)	11
Total	15766 (100%)	258 (100%)	16024

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

death_intraop	Readmissão cirúrgica em até 30 dias		Total
	0	1	
0	15876 (100%)	137 (100%)	16013
1	11 (0%)	0 (0%)	11
Total	15887 (100%)	137 (100%)	16024

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

death_intraop	Readmissão cirúrgica entre 31 a 60 dias		Total
	0	1	
0	15920 (100%)	93 (100%)	16013
1	11 (0%)	0 (0%)	11
Total	15931 (100%)	93 (100%)	16024

Table 145: Contingency table between death intraop and Readmissão cirúrgica entre 61 a 180 dias

death_intraop	Readmissão cirúrgica entre 61 a 180 dias		Total
	0	1	
0	15864 (100%)	149 (100%)	16013
1	11 (0%)	0 (0%)	11
Total	15875 (100%)	149 (100%)	16024

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

death_intraop	Readmissão cirúrgica em até 1 ano		Total
	0	1	
0	15881 (100%)	132 (100%)	16013
1	11 (0%)	0 (0%)	11
Total	15892 (100%)	132 (100%)	16024

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

death_intraop	Desfecho final do estudo			Total
	1	2	3	
0	2787 (100%)	7729 (100%)	5497 (100%)	16013
1	11 (0%)	0 (0%)	0 (0%)	11
Total	2798 (100%)	7729 (100%)	5497 (100%)	16024

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

death_intraop	Ventilação mecânica / IOT		Total
	1	NA	
0	2980 (100%)	13033 (100%)	16013
1	4 (0%)	7 (0%)	11
Total	2984 (100%)	13040 (100%)	16024