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

death_3year	Mean	Min	Median	Max	Standard Deviation	N	Missing
1	8.434	0	0	112	20.968	158	30
NA	4.215	0	0	844	21.295	15866	3489

[1] “antihipertensivo”

Table 2: Antihipertensivo

death_3year	Mean	Min	Median	Max	Standard Deviation	N	Missing
1	0.070	0	0	6	0.591	158	30
NA	0.508	0	0	349	5.604	15866	3489

[1] “betabloqueador”

Table 3: Betabloqueador

death_3year	Mean	Min	Median	Max	Standard Deviation	N	Missing
1	1.242	0	0	33	5.009	158	30
NA	1.109	0	0	388	8.123	15866	3489

[1] “ieca_bra”

Table 4: IECA/BRA

death_3year	Mean	Min	Median	Max	Standard Deviation	N	Missing
1	18.336	0	5	393	44.622	158	30
NA	8.963	0	2	773	22.053	15866	3489

[1] “dva”

Table 5: DVA

death_3year	Mean	Min	Median	Max	Standard Deviation	N	Missing
1	8.148	0	0	151	25.418	158	30
NA	7.604	0	0	1917	47.310	15866	3489

[1] “digoxina”

Table 6: Digoxina

death_3year	Mean	Min	Median	Max	Standard Deviation	N	Missing
1	0.898	0	0	21.5	2.941	158	30
NA	0.230	0	0	50.0	1.665	15866	3489

[1] “estatina”

Table 7: Estatinas

death_3year	Mean	Min	Median	Max	Standard Deviation	N	Missing
1	6.344	0	0	74	13.463	158	30
NA	5.280	0	0	421	17.202	15866	3489

[1] “diuretico”

Table 8: Diuretico

death_3year	Mean	Min	Median	Max	Standard Deviation	N	Missing
1	10.582	0	2	121	19.880	158	30
NA	11.844	0	0	2966	70.493	15866	3489

[1] “vasodilatador”

Table 9: Vasodilator

death_3year	Mean	Min	Median	Max	Standard Deviation	N	Missing
1	12.137	0	0	186.5	34.303	158	30
NA	10.333	0	0	3820.5	64.795	15866	3489

[1] “insuf_cardiaca”

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

death_3year	Mean	Min	Median	Max	Standard Deviation	N	Missing
1	10.578	0	0	354.5	35.013	158	30
NA	4.593	0	0	453.0	16.861	15866	3489

[1] “espironolactona”

Table 11: Antagonista da Aldosterona (espironolactona)

death_3year	Mean	Min	Median	Max	Standard Deviation	N	Missing
1	4.137	0	0	61	9.024	158	30
NA	2.135	0	0	255	8.355	15866	3489

[1] “bloq_calcio”

Table 12: Bloqueador do canal de calcio

death_3year	Mean	Min	Median	Max	Standard Deviation	N	Missing
1	3.180	0	0	370	32.716	158	30
NA	0.605	0	0	509	9.088	15866	3489

[1] “trombolitico”

Table 13: Trombolitico

death_3year	Mean	Min	Median	Max	Standard Deviation	N	Missing
1	0.000	0	0	0	0.000	158	30
NA	0.001	0	0	3	0.048	15866	3489

[1] “antiplaquetario_vo”

Table 14: Antiplaquetario VO

death_3year	Mean	Min	Median	Max	Standard Deviation	N	Missing
1	0	0	0	0	0	158	30
NA	0	0	0	0	0	15866	3489

[1] “antiplaquetario_ev”

Table 15: Antiplaquetario EV

death_3year	Mean	Min	Median	Max	Standard Deviation	N	Missing
1	0.000	0	0	0	0.00	158	30
NA	0.011	0	0	8	0.18	15866	3489

[1] “insulina”

Table 16: Insulina

death_3year	Mean	Min	Median	Max	Standard Deviation	N	Missing
1	0.109	0	0	2	0.360	158	30
NA	0.103	0	0	16	0.503	15866	3489

[1] “hipoglicemiante”

Table 17: Hipoglicemiante

death_3year	Mean	Min	Median	Max	Standard Deviation	N	Missing
1	0.555	0	0	32	3.167	158	30
NA	0.351	0	0	90	2.814	15866	3489

[1] “hormonio_tireoidiano”

Table 18: Hormonio tireoidiano

death_3year	Mean	Min	Median	Max	Standard Deviation	N	Missing
1	0	0	0	0	0	158	30
NA	0	0	0	0	0	15866	3489

[1] “broncodilatador”

Table 19: Broncodiltador

death_3year	Mean	Min	Median	Max	Standard Deviation	N	Missing
1	0	0	0	0	0	158	30
NA	0	0	0	0	0	15866	3489

[1] “anticonvulsivante”

Table 20: Anticonvulsivante

death_3year	Mean	Min	Median	Max	Standard Deviation	N	Missing
1	2.062	0	0	92	11.017	158	30
NA	1.033	0	0	390	11.625	15866	3489

[1] “psicofarmacos”

Table 21: Psicofármacos (Ansiolítico/ antidepressivo/ antipsicótico)

death_3year	Mean	Min	Median	Max	Standard Deviation	N	Missing
1	5.945	0	0.5	100.5	14.456	158	30
NA	4.033	0	0.0	573.0	14.721	15866	3489

[1] “atb”

Table 22: Antibióticos

death_3year	Mean	Min	Median	Max	Standard Deviation	N	Missing
1	16.641	0	4	565	59.116	158	30
NA	15.112	0	4	1812	63.836	15866	3489

[1] “antifungico”

Table 23: Antifúngicos

death_3year	Mean	Min	Median	Max	Standard Deviation	N	Missing
1	0.531	0	0	49	4.633	158	30
NA	0.452	0	0	122	4.397	15866	3489

[1] “antiviral”

Table 24: Antiviral

death_3year	Mean	Min	Median	Max	Standard Deviation	N	Missing
1	0.000	0	0	0	0.00	158	30
NA	0.123	0	0	131	2.75	15866	3489

[1] “antiretroviral”

Table 25: Antiretroviral

death_3year	Mean	Min	Median	Max	Standard Deviation	N	Missing
1	0.000	0	0	0	0.000	158	30
NA	0.009	0	0	32	0.446	15866	3489

[1] “classe_meds_qtde”

Table 26: Quantidade de classes medicamentosas utilizadas

death_3year	Mean	Min	Median	Max	Standard Deviation	N	Missing
1	6.589	2	6	12	2.311	158	51
NA	4.790	1	4	17	2.582	15866	4963

[1] “classe_meds_cardio_qtde”

Table 27: Quantidade de classes medicamentosas de ação cardiovascular

death_3year	Mean	Min	Median	Max	Standard Deviation	N	Missing
1	4.308	1	4	8	1.690	158	54
NA	3.135	1	3	10	1.783	15866	6541

[1] “meds_cardiovasc_qtde”

Table 28: Quantidade de medicamentos de ação cardiovascular

death_3year	Mean	Min	Median	Max	Standard Deviation	N	Missing
1	77.742	0	24.5	884	128.008	158	30
NA	52.140	0	10.0	8738	181.563	15866	3489

[1] “meds_antimicrobianos”

Table 29: Quantidade de antimicrobianos (antibióticos e antifúngicos)

death_3year	Mean	Min	Median	Max	Standard Deviation	N	Missing
1	17.172	0	4	614	62.879	158	30
NA	15.563	0	4	1812	65.568	15866	3489

[1] “vni”

Table 30: Ventilação não invasiva

death_3year	Mean	Min	Median	Max	Standard Deviation	N	Missing
1	0.000	0	0	0	0.000	158	20
NA	0.048	0	0	114	1.558	15866	2746

[1] “cec”

Table 31: Instalação de CEC

death_3year	Mean	Min	Median	Max	Standard Deviation	N	Missing
1	0.014	0	0	1	0.120	158	20
NA	0.013	0	0	2	0.114	15866	2746

[1] “cir_cardiovascular”

Table 32: Cirurgia Cardiovascular

death_3year	Mean	Min	Median	Max	Standard Deviation	N	Missing
1	0.130	0	0	6	0.713	158	20
NA	0.058	0	0	9	0.383	15866	2746

[1] “transplante_cardiaco”

Table 33: Transplante cardíaco

death_3year	Mean	Min	Median	Max	Standard Deviation	N	Missing
1	0.000	0	0	0	0.000	158	20
NA	0.002	0	0	1	0.041	15866	2746

[1] “cir_toracica”

Table 34: Cirurgia Toracica

death_3year	Mean	Min	Median	Max	Standard Deviation	N	Missing
1	0.000	0	0	0	0.000	158	20
NA	0.004	0	0	9	0.107	15866	2746

[1] “outros_proced_cirurgicos”

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

death_3year	Mean	Min	Median	Max	Standard Deviation	N	Missing
1	0.181	0	0	3	0.570	158	20
NA	0.116	0	0	22	0.583	15866	2746

[1] “traqueostomia”

Table 36: Traqueostomia

death_3year	Mean	Min	Median	Max	Standard Deviation	N	Missing
1	0.007	0	0	1	0.085	158	20
NA	0.002	0	0	8	0.090	15866	2746

[1] “icp”

Table 37: Intervenção coronária percutânea

death_3year	Mean	Min	Median	Max	Standard Deviation	N	Missing
1	0.014	0	0	2	0.170	158	20
NA	0.012	0	0	4	0.138	15866	2746

[1] “intervencao_cv”

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

death_3year	Mean	Min	Median	Max	Standard Deviation	N	Missing
1	0.007	0	0	1	0.085	158	20
NA	0.007	0	0	3	0.116	15866	2746

[1] “stent”

Table 39: Stent

death_3year	Mean	Min	Median	Max	Standard Deviation	N	Missing
1	0	0	0	0	0.000	158	20
NA	0	0	0	1	0.009	15866	2746

[1] “angioplastia”

Table 40: Angioplastia

death_3year	Mean	Min	Median	Max	Standard Deviation	N	Missing
1	0.000	0	0	0	0.000	158	20
NA	0.002	0	0	2	0.043	15866	2746

[1] “cateterismo”

Table 41: Cateterismo

death_3year	Mean	Min	Median	Max	Standard Deviation	N	Missing
1	0.174	0	0	3	0.511	158	20
NA	0.126	0	0	7	0.408	15866	2746

[1] “eletrofisiologia”

Table 42: Eletrofisiologia

death_3year	Mean	Min	Median	Max	Standard Deviation	N	Missing
1	0.196	0	0	6	0.818	158	20
NA	0.081	0	0	11	0.473	15866	2746

[1] “suporte_hemod”

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

death_3year	Mean	Min	Median	Max	Standard Deviation	N	Missing
1	0.000	0	0	0	0.000	158	20
NA	0.129	0	0	535	5.603	15866	2746

[1] “cateter_venoso_central”

Table 44: Cateter venoso central

death_3year	Mean	Min	Median	Max	Standard Deviation	N	Missing
1	0.058	0	0	2	0.290	158	20
NA	0.030	0	0	5	0.214	15866	2746

[1] “drenagem_torax”

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

death_3year	Mean	Min	Median	Max	Standard Deviation	N	Missing
1	0.000	0	0	0	0.000	158	20
NA	0.007	0	0	6	0.124	15866	2746

[1] “proced_invasivos_qtde”

Table 46: Quantidade de procedimentos invasivos

death_3year	Mean	Min	Median	Max	Standard Deviation	N	Missing
1	0.783	0	0	11	1.906	158	20
NA	0.588	0	0	554	6.014	15866	2746

[1] “cve_desf”

Table 47: Cardioversão/ Desfibrilação (sessão)

death_3year	Mean	Min	Median	Max	Standard Deviation	N	Missing
1	0.024	0	0	1	0.152	158	31
NA	0.007	0	0	5	0.127	15866	3573

[1] “transfusao”

Table 48: Transfusão de hemoderivados

death_3year	Mean	Min	Median	Max	Standard Deviation	N	Missing
1	0.094	0	0	6	0.724	158	20
NA	0.052	0	0	61	0.988	15866	2746

[1] “interconsulta”

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

death_3year	Mean	Min	Median	Max	Standard Deviation	N	Missing
1	0.399	0	0	34	2.971	158	20
NA	0.415	0	0	199	3.438	15866	2746

[1] “equipe_multiprof”

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

death_3year	Mean	Min	Median	Max	Standard Deviation	N	Missing
1	5.536	0	0	135	15.695	158	20
NA	3.494	0	0	420	15.475	15866	2746

[1] “ecg”

Table 51: ECG

death_3year	Mean	Min	Median	Max	Standard Deviation	N	Missing
1	5.529	0	3	44	7.382	158	20
NA	4.130	0	2	141	6.539	15866	2746

[1] “holter”

Table 52: Holter

death_3year	Mean	Min	Median	Max	Standard Deviation	N	Missing
1	0.152	0	0	2	0.380	158	20
NA	0.107	0	0	5	0.358	15866	2746

[1] “teste_esforco”

Table 53: Teste de esforço

death_3year	Mean	Min	Median	Max	Standard Deviation	N	Missing
1	0.014	0	0	1	0.120	158	20
NA	0.010	0	0	3	0.106	15866	2746

[1] “espiro_ergoespiro”

Table 54: Espirometria / Ergoespirometria

death_3year	Mean	Min	Median	Max	Standard Deviation	N	Missing
1	0.007	0	0	1	0.085	158	20
NA	0.004	0	0	2	0.069	15866	2746

[1] “tilt_teste”

Table 55: Tilt Test

death_3year	Mean	Min	Median	Max	Standard Deviation	N	Missing
1	0.007	0	0	1	0.085	158	20
NA	0.002	0	0	2	0.050	15866	2746

[1] “polissonografia”

Table 56: Polissonografia

death_3year	Mean	Min	Median	Max	Standard Deviation	N	Missing
1	0.000	0	0	0	0.000	158	20
NA	0.002	0	0	2	0.045	15866	2746

[1] “metodos_graficos_qtde”

Table 57: Quantidade de exames por métodos gráficos

death_3year	Mean	Min	Median	Max	Standard Deviation	N	Missing
1	5.710	0	3	44	7.468	158	20
NA	4.256	0	2	143	6.667	15866	2746

[1] “laboratorio”

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

death_3year	Mean	Min	Median	Max	Standard Deviation	N	Missing
1	98.616	0	18	1430	212.184	158	20
NA	68.673	0	10	3608	203.304	15866	2746

[1] “cultura”

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

death_3year	Mean	Min	Median	Max	Standard Deviation	N	Missing
1	0.435	0	0	6	1.301	158	20
NA	0.370	0	0	48	1.580	15866	2746

[1] “analises_clinicas_qtde”

Table 60: Quantidade de exames de análises clínicas

death_3year	Mean	Min	Median	Max	Standard Deviation	N	Missing
1	99.051	0	18	1436	213.262	158	20
NA	69.043	0	10	3645	204.552	15866	2746

[1] “citologia”

Table 61: Citologias

death_3year	Mean	Min	Median	Max	Standard Deviation	N	Missing
1	0.007	0	0	1	0.085	158	20
NA	0.009	0	0	8	0.152	15866	2746

[1] “biopsia”

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

death_3year	Mean	Min	Median	Max	Standard Deviation	N	Missing
1	0.007	0	0	1	0.085	158	20
NA	0.015	0	0	10	0.258	15866	2746

[1] “histopatologia_qtde”

Table 63: Quantidade de exames histopatológicos

death_3year	Mean	Min	Median	Max	Standard Deviation	N	Missing
1	0.014	0	0	1	0.120	158	20
NA	0.025	0	0	10	0.308	15866	2746

[1] “angio_rm”

Table 64: Angio RM

death_3year	Mean	Min	Median	Max	Standard Deviation	N	Missing
1	0.007	0	0	1	0.085	158	20
NA	0.004	0	0	4	0.085	15866	2746

[1] “angio_tc”

Table 65: Angio TC

death_3year	Mean	Min	Median	Max	Standard Deviation	N	Missing
1	0.087	0	0	3	0.409	158	20
NA	0.036	0	0	9	0.251	15866	2746

[1] “angiografia”

Table 66: Angiografia

death_3year	Mean	Min	Median	Max	Standard Deviation	N	Missing
1	0.007	0	0	1	0.085	158	20
NA	0.002	0	0	3	0.050	15866	2746

[1] “aortografia”

Table 67: Aortografia

death_3year	Mean	Min	Median	Max	Standard Deviation	N	Missing
1	0.000	0	0	0	0.000	158	20
NA	0.002	0	0	2	0.052	15866	2746

[1] “arteriografia”

Table 68: Arteriografia

death_3year	Mean	Min	Median	Max	Standard Deviation	N	Missing
1	0.000	0	0	0	0.000	158	20
NA	0.001	0	0	2	0.029	15866	2746

[1] “cavografia”

Table 69: Cavografia

death_3year	Mean	Min	Median	Max	Standard Deviation	N	Missing
1	0.000	0	0	0	0.000	158	20
NA	0.008	0	0	1	0.087	15866	2746

[1] “cintilografia”

Table 70: Cintilografia

death_3year	Mean	Min	Median	Max	Standard Deviation	N	Missing
1	0.072	0	0	2	0.334	158	20
NA	0.066	0	0	5	0.356	15866	2746

[1] “ecocardiograma”

Table 71: Ecocardiograma

death_3year	Mean	Min	Median	Max	Standard Deviation	N	Missing
1	0.696	0	0	7	1.181	158	20
NA	0.573	0	0	24	1.307	15866	2746

[1] “endoscopia”

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

death_3year	Mean	Min	Median	Max	Standard Deviation	N	Missing
1	0.022	0	0	2	0.190	158	20
NA	0.019	0	0	6	0.184	15866	2746

[1] “flebografia”

Table 73: Flebografia

death_3year	Mean	Min	Median	Max	Standard Deviation	N	Missing
1	0.065	0	0	5	0.486	158	20
NA	0.036	0	0	5	0.288	15866	2746

[1] “pet_ct”

Table 74: PET-CT

death_3year	Mean	Min	Median	Max	Standard Deviation	N	Missing
1	0.014	0	0	1	0.120	158	20
NA	0.005	0	0	3	0.079	15866	2746

[1] “ultrassom”

Table 75: Ultrassom

death_3year	Mean	Min	Median	Max	Standard Deviation	N	Missing
1	0.333	0	0	5	0.984	158	20
NA	0.198	0	0	28	0.909	15866	2746

[1] “tomografia”

Table 76: Tomografia

death_3year	Mean	Min	Median	Max	Standard Deviation	N	Missing
1	0.210	0	0	5	0.823	158	20
NA	0.175	0	0	15	0.715	15866	2746

[1] “radiografia”

Table 77: Radiografias

death_3year	Mean	Min	Median	Max	Standard Deviation	N	Missing
1	4.688	0	2	60	9.014	158	20
NA	3.363	0	2	261	8.902	15866	2746

[1] “ressonancia”

Table 78: Ressonancia magnetica

death_3year	Mean	Min	Median	Max	Standard Deviation	N	Missing
1	0.123	0	0	2	0.371	158	20
NA	0.072	0	0	6	0.307	15866	2746

[1] “exames_imagem_qtde”

Table 79: Quantidade de exames diagnóstico por imagem

death_3year	Mean	Min	Median	Max	Standard Deviation	N	Missing
1	6.326	0	2	67	11.032	158	20
NA	4.559	0	2	281	10.907	15866	2746

[1] “dieta_enteral”

Table 80: Dieta enteral (frasco)

death_3year	Mean	Min	Median	Max	Standard Deviation	N	Missing
1	0.921	0	0	115	10.205	158	31
NA	0.059	0	0	195	2.521	15866	3575

[1] “dieta_parenteral”

Table 81: Dieta parenteral (frasco)

death_3year	Mean	Min	Median	Max	Standard Deviation	N	Missing
1	0.039	0	0	5	0.444	158	31
NA	0.002	0	0	14	0.137	15866	3575

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 3year and Sexo

	Sexo		
death_3year	0	1	Total
X1	61 (1%)	97 (1%)	158
NA.	7503 (99%)	8363 (99%)	15866
Total	7564 (100%)	8460 (100%)	16024

Table 83: Contingency table between death 3year and Doença cardíaca

	Doença cardíaca				
death_3year	0	1	2	NA	Total
X1	78 (1%)	18 (2%)	39 (1%)	23 (1%)	158
NA.	9206 (99%)	1154 (98%)	3492 (99%)	2014 (99%)	15866
Total	9284 (100%)	1172 (100%)	3531 (100%)	2037 (100%)	16024

Table 84: Contingency table between death 3year and Hipertensão arterial

	Hipertensão arterial		
death_3year	0	1	Total
X1	131 (1%)	27 (1%)	158
NA.	12009 (99%)	3857 (99%)	15866
Total	12140 (100%)	3884 (100%)	16024

Table 85: Contingency table between death 3year and Infarto do miocárdio prévio / Doença arterial coronariana

	Infarto do miocárdio prévio / Doença arterial coronariana		
death_3year	0	1	Total
X1	138 (1%)	20 (1%)	158
NA.	14408 (99%)	1458 (99%)	15866
Total	14546 (100%)	1478 (100%)	16024

Table 86: Contingency table between death 3year and Insuficiência cardíaca

	Insuficiência cardíaca		
death_3year	0	1	Total
X1	70 (1%)	88 (2%)	158
NA.	10136 (99%)	5730 (98%)	15866
Total	10206 (100%)	5818 (100%)	16024

Table 87: Contingency table between death 3year and Fibrilação / flutter atrial

	Fibrilação / flutter atrial		
death_3year	0	1	Total
X1	137 (1%)	21 (1%)	158
NA.	13471 (99%)	2395 (99%)	15866
Total	13608 (100%)	2416 (100%)	16024

Table 88: Contingency table between death 3year and Parada cardíaca prévia/ Taquicardia ventricular instável

	Parada cardíaca prévia/ Taquicardia ventricular instável		
death_3year	0	1	Total
X1	140 (1%)	18 (1%)	158
NA.	13964 (99%)	1902 (99%)	15866
Total	14104 (100%)	1920 (100%)	16024

Table 89: Contingency table between death 3year and Transplante cardíaco prévio

	Transplante cardíaco prévio		
death_3year	0	1	Total
X1	157 (1%)	1 (8%)	158
NA.	15854 (99%)	12 (92%)	15866
Total	16011 (100%)	13 (100%)	16024

Table 90: Contingency table between death 3year and Valvopatias/ Prótese valvares

	Valvopatias/ Prótese valvares		
death_3year	0	1	Total
X1	143 (1%)	15 (1%)	158
NA.	14805 (99%)	1061 (99%)	15866
Total	14948 (100%)	1076 (100%)	16024

Table 91: Contingency table between death 3year and Endocardite prévia

	Endocardite prévia		
death_3year	0	1	Total
X1	157 (1%)	1 (1%)	158
NA.	15729 (99%)	137 (99%)	15866
Total	15886 (100%)	138 (100%)	16024

Table 92: Contingency table between death 3year and Diabetes melittus

	Diabetes melittus		
death_3year	0	1	Total
X1	135 (1%)	23 (1%)	158
NA.	13944 (99%)	1922 (99%)	15866
Total	14079 (100%)	1945 (100%)	16024

Table 93: Contingency table between death 3year and Insuficiência renal crônica

	Insuficiência renal crônica		
death_3year	0	1	Total
X1	150 (1%)	8 (1%)	158
NA.	15224 (99%)	642 (99%)	15866
Total	15374 (100%)	650 (100%)	16024

Table 94: Contingency table between death 3year and Hemodiálise

	Hemodiálise		
death_3year	0	1	Total
X1	158 (1%)	0 (0%)	158
NA.	15844 (99%)	22 (100%)	15866
Total	16002 (100%)	22 (100%)	16024

Table 95: Contingency table between death 3year and Acidente Vascular Cerebral/ Acidente isquêmico transitório prévios

	Acidente Vascular Cerebral/ Acidente isquêmico transitório prévios		
death_3year	0	1	Total
X1	153 (1%)	5 (1%)	158
NA.	15365 (99%)	501 (99%)	15866
Total	15518 (100%)	506 (100%)	16024

Table 96: Contingency table between death 3year and Doença pulmonar obstrutiva crônica

	Doença pulmonar obstrutiva crônica		
death_3year	0	1	Total
X1	156 (1%)	2 (1%)	158
NA.	15649 (99%)	217 (99%)	15866
Total	15805 (100%)	219 (100%)	16024

Table 97: Contingency table between death 3year and Neoplasia em tratamento ou tratada recentemente (12 meses)

	Neoplasia em tratamento ou tratada recentemente (12 meses)		
death_3year	0	1	Total
X1	156 (1%)	2 (2%)	158
NA.	15753 (99%)	113 (98%)	15866
Total	15909 (100%)	115 (100%)	16024

Table 98: Contingency table between death 3year and Tipo de Procedimento 1

	Tipo de Procedimento 1		
death_3year	1	2	Total
X1	112 (1%)	46 (1%)	158
NA.	11017 (99%)	4849 (99%)	15866
Total	11129 (100%)	4895 (100%)	16024

Table 99: Contingency table between death 3year and Tipo de Reoperação 1

	Tipo de Reoperação 1				
death_3year	1	2	3	NA	Total
X1	37 (1%)	9 (1%)	0 (0%)	112 (1%)	158
NA.	3891 (99%)	924 (99%)	34 (100%)	11017 (99%)	15866
Total	3928 (100%)	933 (100%)	34 (100%)	11129 (100%)	16024

Table 100: Contingency table between death 3year and Tipo de Dispositivo ao final do procedimento 1

	Tipo de Dispositivo ao final do procedimento 1				
death_3year	1	2	3	4	Total
X1	97 (1%)	31 (2%)	22 (2%)	8 (2%)	158
NA.	12378 (99%)	1760 (98%)	1276 (98%)	452 (98%)	15866
Total	12475 (100%)	1791 (100%)	1298 (100%)	460 (100%)	16024

Table 101: Contingency table between death 3year and Óbito intraoperatório 1

	Óbito intraoperatório 1		
death_3year	0	1	Total
X1	158 (1%)	0 (0%)	158
NA.	15859 (99%)	7 (100%)	15866
Total	16017 (100%)	7 (100%)	16024

Table 102: Contingency table between death 3year and Tipo de Reoperação 2

	Tipo de Reoperação 2				
death_3year	1	2	3	NA	Total
X1	2 (0%)	16 (1%)	4 (3%)	136 (1%)	158
NA.	3258 (100%)	1477 (99%)	117 (97%)	11014 (99%)	15866
Total	3260 (100%)	1493 (100%)	121 (100%)	11150 (100%)	16024

Table 103: Contingency table between death 3year and Tipo de Dispositivo ao final do procedimento 2

	Tipo de Dispositivo ao final do procedimento 2					
death_3year	1	2	3	4	NA	Total
X1	10 (0%)	9 (1%)	1 (0%)	1 (0%)	137 (1%)	158
NA.	3628 (100%)	636 (99%)	387 (100%)	202 (100%)	11013 (99%)	15866
Total	3638 (100%)	645 (100%)	388 (100%)	203 (100%)	11150 (100%)	16024

Table 104: Contingency table between death 3year and Óbito intraoperatório 2

	Óbito intraoperatório 2		
death_3year	0	NA	Total
X1	22 (0%)	136 (1%)	158
NA.	4859 (100%)	11007 (99%)	15866
Total	4881 (100%)	11143 (100%)	16024

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

	Tipo de Reoperação 3				
death_3year	1	2	3	NA	Total
X1	0 (0%)	3 (1%)	1 (2%)	154 (1%)	158
NA.	724 (100%)	577 (99%)	61 (98%)	14504 (99%)	15866
Total	724 (100%)	580 (100%)	62 (100%)	14658 (100%)	16024

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

	Tipo de Dispositivo ao final do procedimento 3					
death_3year	1	2	3	4	NA	Total
X1	1 (0%)	2 (1%)	0 (0%)	1 (1%)	154 (1%)	158
NA.	967 (100%)	250 (99%)	160 (100%)	98 (99%)	14391 (99%)	15866
Total	968 (100%)	252 (100%)	160 (100%)	99 (100%)	14545 (100%)	16024

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

	Óbito intraoperatório 3			
death_3year	0	1	NA	Total
X1	4 (0%)	0 (0%)	154 (1%)	158
NA.	1472 (100%)	4 (100%)	14390 (99%)	15866
Total	1476 (100%)	4 (100%)	14544 (100%)	16024

Table 108: Contingency table between death 3year and Tipo de Reoperação 4

	Tipo de Reoperação 4				
death_3year	1	2	3	NA	Total
X1	0 (0%)	1 (0%)	0 (0%)	157 (1%)	158
NA.	192 (100%)	250 (100%)	33 (100%)	15391 (99%)	15866
Total	192 (100%)	251 (100%)	33 (100%)	15548 (100%)	16024

Table 109: Contingency table between death 3year and Tipo de Dispositivo ao final do procedimento 4

	Tipo de Dispositivo ao final do procedimento 4					
death_3year	1	2	3	4	NA	Total
X1	0 (0%)	0 (0%)	0 (0%)	1 (2%)	157 (1%)	158
NA.	288 (100%)	110 (100%)	45 (100%)	41 (98%)	15382 (99%)	15866
Total	288 (100%)	110 (100%)	45 (100%)	42 (100%)	15539 (100%)	16024

Table 110: Contingency table between death 3year and Óbito intraoperatório 4

	Óbito intraoperatório 4		
death_3year	0	NA	Total
X1	1 (0%)	157 (1%)	158
NA.	484 (100%)	15382 (99%)	15866
Total	485 (100%)	15539 (100%)	16024

Table 111: Contingency table between death 3year and Tipo de Reoperação 5

	Tipo de Reoperação 5				
death_3year	1	2	3	NA	Total
X1	0 (0%)	0 (0%)	0 (0%)	158 (1%)	158
NA.	71 (100%)	106 (100%)	14 (100%)	15675 (99%)	15866
Total	71 (100%)	106 (100%)	14 (100%)	15833 (100%)	16024

Table 112: Contingency table between death 3year and Tipo de Dispositivo ao final do procedimento 5

	Tipo de Dispositivo ao final do procedimento 5					
death_3year	1	2	3	4	NA	Total
X1	0 (0%)	0 (0%)	0 (0%)	0 (0%)	158 (1%)	158
NA.	100 (100%)	56 (100%)	22 (100%)	13 (100%)	15675 (99%)	15866
Total	100 (100%)	56 (100%)	22 (100%)	13 (100%)	15833 (100%)	16024

Table 113: Contingency table between death 3year and Óbito intraoperatório 5

	Óbito intraoperatório 5		
death_3year	0	NA	Total
X1	0 (0%)	158 (1%)	158
NA.	192 (100%)	15674 (99%)	15866
Total	192 (100%)	15832 (100%)	16024

Table 114: Contingency table between death 3year and Tipo de Reoperação 6

	Tipo de Reoperação 6				
death_3year	1	2	3	NA	Total
X1	0 (0%)	0 (0%)	0 (0%)	158 (1%)	158
NA.	26 (100%)	46 (100%)	6 (100%)	15788 (99%)	15866
Total	26 (100%)	46 (100%)	6 (100%)	15946 (100%)	16024

Table 115: Contingency table between death 3year and Tipo de Dispositivo ao final do procedimento 6

	Tipo de Dispositivo ao final do procedimento 6					
death_3year	1	2	3	4	NA	Total
X1	0 (0%)	0 (0%)	0 (0%)	0 (0%)	158 (1%)	158
NA.	40 (100%)	25 (100%)	7 (100%)	9 (100%)	15785 (99%)	15866
Total	40 (100%)	25 (100%)	7 (100%)	9 (100%)	15943 (100%)	16024

Table 116: Contingency table between death 3year and Óbito intraoperatório 6

	Óbito intraoperatório 6		
death_3year	0	NA	Total
X1	0 (0%)	158 (1%)	158
NA.	81 (100%)	15785 (99%)	15866
Total	81 (100%)	15943 (100%)	16024

Table 117: Contingency table between death 3year and Tipo de Reoperação 7

	Tipo de Reoperação 7				
death_3year	1	2	3	NA	Total
X1	0 (0%)	0 (0%)	0 (0%)	158 (1%)	158
NA.	10 (100%)	18 (100%)	4 (100%)	15834 (99%)	15866
Total	10 (100%)	18 (100%)	4 (100%)	15992 (100%)	16024

Table 118: Contingency table between death 3year and Tipo de Dispositivo ao final do procedimento 7

	Tipo de Dispositivo ao final do procedimento 7					
death_3year	1	2	3	4	NA	Total
X1	0 (0%)	0 (0%)	0 (0%)	0 (0%)	158 (1%)	158
NA.	13 (100%)	13 (100%)	1 (100%)	4 (100%)	15835 (99%)	15866
Total	13 (100%)	13 (100%)	1 (100%)	4 (100%)	15993 (100%)	16024

Table 119: Contingency table between death 3year and Óbito intraoperatório 7

	Óbito intraoperatório 7		
death_3year	0	NA	Total
X1	0 (0%)	158 (1%)	158
NA.	32 (100%)	15834 (99%)	15866
Total	32 (100%)	15992 (100%)	16024

Table 120: Contingency table between death 3year and Tipo de Reoperação 8

	Tipo de Reoperação 8		
death_3year	TRUE	NA	Total
X1	0 (0%)	158 (1%)	158
NA.	12 (100%)	15854 (99%)	15866
Total	12 (100%)	16012 (100%)	16024

Table 121: Contingency table between death 3year and Tipo de Dispositivo ao final do procedimento 8

	Tipo de Dispositivo ao final do procedimento 8		
death_3year	TRUE	NA	Total
X1	0 (0%)	158 (1%)	158
NA.	12 (100%)	15854 (99%)	15866
Total	12 (100%)	16012 (100%)	16024

Table 122: Contingency table between death 3year and Óbito intraoperatório 8

	Óbito intraoperatório 8		
death_3year	FALSE	NA	Total
X1	0 (0%)	158 (1%)	158
NA.	12 (100%)	15854 (99%)	15866
Total	12 (100%)	16012 (100%)	16024

Table 123: Contingency table between death 3year and Tipo de Reoperação 9

	Tipo de Reoperação 9		
death_3year	TRUE	NA	Total
X1	0 (0%)	158 (1%)	158
NA.	5 (100%)	15861 (99%)	15866
Total	5 (100%)	16019 (100%)	16024

Table 124: Contingency table between death 3year and Tipo de Dispositivo ao final do procedimento 9

	Tipo de Dispositivo ao final do procedimento 9		
death_3year	TRUE	NA	Total
X1	0 (0%)	158 (1%)	158
NA.	5 (100%)	15861 (99%)	15866
Total	5 (100%)	16019 (100%)	16024

Table 125: Contingency table between death 3year and Óbito intraoperatório 9

	Óbito intraoperatório 9		
death_3year	FALSE	NA	Total
X1	0 (0%)	158 (1%)	158
NA.	5 (100%)	15861 (99%)	15866
Total	5 (100%)	16019 (100%)	16024

Table 126: Contingency table between death 3year and Tipo de Reoperação 10

	Tipo de Reoperação 10		
death_3year	TRUE	NA	Total
X1	0 (0%)	158 (1%)	158
NA.	1 (100%)	15865 (99%)	15866
Total	1 (100%)	16023 (100%)	16024

Table 127: Contingency table between death 3year and Tipo de Dispositivo ao final do procedimento 10

	Tipo de Dispositivo ao final do procedimento 10		
death_3year	TRUE	NA	Total
X1	0 (0%)	158 (1%)	158
NA.	1 (100%)	15865 (99%)	15866
Total	1 (100%)	16023 (100%)	16024

Table 128: Contingency table between death 3year and Óbito intraoperatório 10

	Óbito intraoperatório 10		
death_3year	FALSE	NA	Total
X1	0 (0%)	158 (1%)	158
NA.	1 (100%)	15865 (99%)	15866
Total	1 (100%)	16023 (100%)	16024

Table 129: Contingency table between death 3year 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_3year	0	1	NA	Total
X1	17 (0%)	4 (1%)	137 (1%)	158
NA.	4577 (100%)	276 (99%)	11013 (99%)	15866
Total	4594 (100%)	280 (100%)	11150 (100%)	16024

Table 130: Contingency table between death 3year 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_3year	0	1	NA	Total
X1	4 (0%)	0 (0%)	154 (1%)	158
NA.	1381 (100%)	94 (100%)	14391 (99%)	15866
Total	1385 (100%)	94 (100%)	14545 (100%)	16024

Table 131: Contingency table between death 3year 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_3year	0	1	NA	Total
X1	1 (0%)	0 (0%)	157 (1%)	158
NA.	456 (100%)	28 (100%)	15382 (99%)	15866
Total	457 (100%)	28 (100%)	15539 (100%)	16024

Table 132: Contingency table between death 3year 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_3year	0	1	NA	Total
X1	0 (0%)	0 (0%)	158 (1%)	158
NA.	182 (100%)	9 (100%)	15675 (99%)	15866
Total	182 (100%)	9 (100%)	15833 (100%)	16024

Table 133: Contingency table between death 3year 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_3year	0	1	NA	Total
X1	0 (0%)	0 (0%)	158 (1%)	158
NA.	74 (100%)	7 (100%)	15785 (99%)	15866
Total	74 (100%)	7 (100%)	15943 (100%)	16024

Table 134: Contingency table between death 3year 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_3year	0	1	NA	Total
X1	0 (0%)	0 (0%)	158 (1%)	158
NA.	28 (100%)	3 (100%)	15835 (99%)	15866
Total	28 (100%)	3 (100%)	15993 (100%)	16024

Table 135: Contingency table between death 3year 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_3year	FALSE	TRUE	NA	Total
X1	0 (0%)	0 (0%)	158 (1%)	158
NA.	11 (100%)	1 (100%)	15854 (99%)	15866
Total	11 (100%)	1 (100%)	16012 (100%)	16024

Table 136: Contingency table between death 3year 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_3year	FALSE	NA	Total
X1	0 (0%)	158 (1%)	158
NA.	5 (100%)	15861 (99%)	15866
Total	5 (100%)	16019 (100%)	16024

Table 137: Contingency table between death 3year 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_3year	FALSE	NA	Total
X1	0 (0%)	158 (1%)	158
NA.	1 (100%)	15865 (99%)	15866
Total	1 (100%)	16023 (100%)	16024

Table 138: Contingency table between death 3year and Diálise durante os episódios de hospitalização

	Diálise durante os episódios de hospitalização		
death_3year	0	1	Total
X1	157 (1%)	1 (2%)	158
NA.	15806 (99%)	60 (98%)	15866
Total	15963 (100%)	61 (100%)	16024

Table 139: Contingency table between death 3year and UTI durante os episódios de hospitalização

	UTI durante os episódios de hospitalização		
death_3year	0	1	Total
X1	108 (1%)	50 (1%)	158
NA.	12512 (99%)	3354 (99%)	15866
Total	12620 (100%)	3404 (100%)	16024

Table 140: Contingency table between death 3year and Admissão em até 180 dias antes da T0

	Admissão em até 180 dias antes da T0		
death_3year	0	1	Total
X1	129 (1%)	29 (3%)	158
NA.	14780 (99%)	1086 (97%)	15866
Total	14909 (100%)	1115 (100%)	16024

Table 141: Contingency table between death 3year and Readmissões pós-T0 com diálise

	Readmissões pós-T0 com diálise				
death_3year	0	1	2	3	Total
X1	158 (1%)	0 (0%)	0 (0%)	0 (0%)	158
NA.	15844 (99%)	19 (100%)	2 (100%)	1 (100%)	15866
Total	16002 (100%)	19 (100%)	2 (100%)	1 (100%)	16024

Table 142: Contingency table between death 3year and Desfecho principal da admissão T0

	Desfecho principal da admissão T0		
death_3year	0	1	Total
X1	158 (1%)	0 (0%)	158
NA.	15608 (99%)	258 (100%)	15866
Total	15766 (100%)	258 (100%)	16024

Table 143: Contingency table between death 3year and Readmissão cirúrgica em até 30 dias

	Readmissão cirúrgica em até 30 dias		
death_3year	0	1	Total
X1	155 (1%)	3 (2%)	158
NA.	15732 (99%)	134 (98%)	15866
Total	15887 (100%)	137 (100%)	16024

Table 144: Contingency table between death 3year and Readmissão cirúrgica entre 31 a 60 dias

	Readmissão cirúrgica entre 31 a 60 dias		
death_3year	0	1	Total
X1	157 (1%)	1 (1%)	158
NA.	15774 (99%)	92 (99%)	15866
Total	15931 (100%)	93 (100%)	16024

Table 145: Contingency table between death 3year and Readmissão cirúgica entre 61 a 180 dias

	Readmissão cirúgica entre 61 a 180 dias		
death_3year	0	1	Total
X1	154 (1%)	4 (3%)	158
NA.	15721 (99%)	145 (97%)	15866
Total	15875 (100%)	149 (100%)	16024

Table 146: Contingency table between death 3year and Readmissão cirúrgica em até 1 ano

	Readmissão cirúrgica em até 1 ano		
death_3year	0	1	Total
X1	155 (1%)	3 (2%)	158
NA.	15737 (99%)	129 (98%)	15866
Total	15892 (100%)	132 (100%)	16024

Table 147: Contingency table between death 3year and Desfecho final do estudo

	Desfecho final do estudo			
death_3year	1	2	3	Total
X1	158 (6%)	0 (0%)	0 (0%)	158
NA.	2640 (94%)	7729 (100%)	5497 (100%)	15866
Total	2798 (100%)	7729 (100%)	5497 (100%)	16024

Table 148: Contingency table between death 3year and Ventilação mecânica / IOT

	Ventilação mecânica / IOT		
death_3year	1	NA	Total
X1	47 (2%)	111 (1%)	158
NA.	2937 (98%)	12929 (99%)	15866
Total	2984 (100%)	13040 (100%)	16024