Tables - death_1year

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Imports

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

Loading data

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

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

outcome_column <- params$outcome_column

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

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

Numerical variables

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

```
    column_spec(1, bold = T, width = "8em") %>%
    row_spec(c(1) - 1, extra_latex_after = "\\rowcolor{gray!6}") %>%
    collapse_rows(1, latex_hline = "none") %>%
    kable_styling(latex_options = c("HOLD_position", "repeat_header")) %>%
    print

  i <- i + 1
}
```

Table 1: Idade no momento do primeiro procedimento

death_1year	Mean	Min	Median	Max	Standard Deviation	N	Missing
0	65.489	0	68.9	110.6	17.772	15249	0
1	69.181	0	73.1	98.9	17.458	517	0

Table 2: Número de comorbidades

death_1year	Mean	Min	Median	Max	Standard Deviation	N	Missing
0	1.221	0	1	8	1.326	15249	0
1	2.139	0	2	7	1.750	517	0

Table 3: Número de procedimentos

death_1year	Mean	Min	Median	Max	Standard Deviation	N	Missing
0	1.466	1	1	10	0.850	15249	0
1	1.091	1	1	4	0.365	517	0

Table 4: Ano do procedimento 1

death_1year	Mean	Min	Median	Max	Standard Deviation	N	Missing
0	2010.543	1999	2010	2021	5.796	15249	0
1	2011.936	2002	2013	2021	5.338	517	0

Table 5: Idade no Procedimento 1

death_1year	Mean	Min	Median	Max	Standard Deviation	N	Missing
0	65.489	0	68.9	110.6	17.772	15249	0
1	69.181	0	73.1	98.9	17.458	517	0

Table 6: Ano do procedimento 2

death_1year	Mean	Min	Median	Max	Standard Deviation	N	Missing
0	2013.113	1999	2013	2022	4.669	15249	10423
1	2009.600	2003	2008	2021	5.397	517	482

Table 7: Idade no Procedimento 2

death_1year	Mean	Min	Median	Max	Standard Deviation	N	Missing
0	65.134	0.0	69.2	108.7	19.276	15249	10422
1	65.514	3.9	66.1	93.1	17.372	517	482

Table 8: Ano do procedimento 3

death_1year	Mean	Min	Median	Max	Standard Deviation	N	Missing
0	2014.346	1999	2015	2022	4.768	15249	13783
1	2011.000	2003	2011	2019	5.797	517	506

Table 9: Idade no Procedimento 3

death_1year	Mean	Min	Median	Max	Standard Deviation	N	Missing
0	61.966	0.4	65.9	101.1	20.780	15249	13783
1	67.100	43.7	73.7	88.2	15.831	517	506

Table 10: Ano do procedimento 4

death_1year	Mean	Min	Median	Max	Standard Deviation	N	Missing
0	2014.457	2002	2015	2022	4.811	15249	14765
1	2016.000	2016	2016	2016	NA	517	516

Table 11: Idade no Procedimento 4

death_1year	Mean	Min	Median	Max	Standard Deviation	N	Missing
0	59.582	1.9	63.7	97.7	21.923	15249	14765
1	80.400	80.4	80.4	80.4	NA	517	516

Table 12: Ano do procedimento 5

death_1year	Mean	Min	Median	Max	Standard Deviation	N	Missing
0	2014.234	2003	2014	2022	4.19	15249	15057
1	NaN	NA	NA	NA	NA	517	517

Table 13: Idade no Procedimento 5

death_1year	Mean	Min	Median	Max	Standard Deviation	N	Missing
0	57.845	3.2	62.75	99.7	22.035	15249	15057
1	NaN	NA	NA	NA	NA	517	517

Table 14: Ano do procedimento 6

death_1year	Mean	Min	Median	Max	Standard Deviation	N	Missing
0	2014.728	2003	2015	2021	4.547	15249	15168
1	NaN	NA	NA	NA	NA	517	517

Table 15: Idade no Procedimento 6

death_1year	Mean	Min	Median	Max	Standard Deviation	N	Missing
0	55.865	6.6	58.8	101.6	22.394	15249	15168
1	NaN	NA	NA	NA	NA	517	517

Table 16: Ano do procedimento 7

death_1year	Mean	Min	Median	Max	Standard Deviation	N	Missing
0	2015.656	2007	2016.5	2022	4.285	15249	15217
1	NaN	NA	NA	NA	NA	517	517

Table 17: Idade no Procedimento 7

death_1year	Mean	Min	Median	Max	Standard Deviation	N	Missing
0	51.231	8.8	57.1	81.8	20.858	15249	15217
1	NaN	NA	NA	NA	NA	517	517

Table 18: Ano do procedimento 8

death_1year	Mean	Min	Median	Max	Standard Deviation	N	Missing
0	2014.917	2008	2015.5	2020	3.942	15249	15237
1	NaN	NA	NA	NA	NA	517	517

Table 19: Idade no Procedimento 8

death_1year	Mean	Min	Median	Max	Standard Deviation	N	Missing
0	52.283	14.3	52.9	81.8	23.027	15249	15237
1	NaN	NA	NA	NA	NA	517	517

Table 20: Ano do procedimento 9

death_1year	Mean	Min	Median	Max	Standard Deviation	N	Missing
0	2014.8	2009	2016	2022	5.07	15249	15244
1	NaN	NA	NA	NA	NA	517	517

Table 21: Idade no Procedimento 9

death_1year	Mean	Min	Median	Max	Standard Deviation	N	Missing
0	39.86	15	36.6	82.2	26.06	15249	15244
1	NaN	NA	NA	NA	NA	517	517

Table 22: Ano do procedimento 10

death_1year	Mean	Min	Median	Max	Standard Deviation	N	Missing
0	2019	2019	2019	2019	NA	15249	15248
1	NaN	NA	NA	NA	NA	517	517

Table 23: Idade no Procedimento 10

death_1year	Mean	Min	Median	Max	Standard Deviation	N	Missing
0	39.7	39.7	39.7	39.7	NA	15249	15248
1	NaN	NA	NA	NA	NA	517	517

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

death_1year	Mean	Min	Median	Max	Standard Deviation	N	Missing
0	73.826	0.0	84.1	197.1	39.833	15249	10422
1	2.151	0.1	1.3	8.0	2.372	517	482

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

death_1year	Mean	Min	Median	Max	Standard Deviation	N	Missing
0	56.070	0.0	61.05	170.5	39.606	15249	13783
1	1.745	0.3	1.20	6.2	1.717	517	506

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

death_1year	Mean	Min	Median	Max	Standard Deviation	N	Missing
0	39.67	0.0	32.0	142.7	39.835	15249	14766
1	7.90	7.9	7.9	7.9	NA	517	516

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

death_1year	Mean	Min	Median	Max	Standard Deviation	N	Missing
0	32.376	0	7.1	144.3	38.429	15249	15057
1	NaN	NA	NA	NA	NA	517	517

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

death_1year	Mean	Min	Median	Max	Standard Deviation	N	Missing
0	27.699	0	5.8	110.3	34.88	15249	15168
1	NaN	NA	NA	NA	NA	517	517

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

death_1year	Mean	Min	Median	Max	Standard Deviation	N	Missing
0	31.491	0	3.95	142.3	42.63	15249	15217
1	NaN	NA	NA	NA	NA	517	517

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

death_1year	Mean	Min	Median	Max	Standard Deviation	N	Missing
0	19.983	0.2	2.6	80.9	28.743	15249	15237
1	NaN	NA	NA	NA	NA	517	517

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

death_1year	Mean	Min	Median	Max	Standard Deviation	N	Missing
0	21.72	4.8	8.7	63.2	24.892	15249	15244
1	NaN	NA	NA	NA	NA	517	517

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

death_1year	Mean	Min	Median	Max	Standard Deviation	N	Missing
0	36.8	36.8	36.8	36.8	NA	15249	15248
1	NaN	NA	NA	NA	NA	517	517

Table 33: Número de Mudanças do tipo de DCEI

death_1year	Mean	Min	Median	Max	Standard Deviation	N	Missing
0	0.087	0	0	3	0.296	15249	10425
1	0.086	0	0	1	0.284	517	482

Table 34: Número de atendimentos

death_1year	Mean	Min	Median	Max	Standard Deviation	N	Missing
0	2.357	1	2	51	2.205	15249	0
1	3.072	1	2	20	2.585	517	0

Table 35: Número da Admissão T0 (admissão índice)

death_1year	Mean	Min	Median	Max	Standard Deviation	N	Missing
0	1.413	1	1	32	1.065	15249	0
1	2.079	1	1	17	2.123	517	0

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

death_1year	Mean	Min	Median	Max	Standard Deviation	N	Missing
0	0.860	0	0	50	1.705	15249	0
1	0.988	0	1	8	0.994	517	0

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

death_1year	Mean	Min	Median	Max	Standard Deviation	N	Missing
0	0.521	0	0	38	1.195	15249	0
1	1.122	0	0	16	2.114	517	0

Table 38: Ano da admissão T0

death_1year	Mean	Min	Median	Max	Standard Deviation	N	Missing
0	2010.537	1999	2010	2021	5.797	15249	18
1	2011.920	2002	2013	2021	5.329	517	2

Table 39: UTI durante a admissão T0

death_1year	Mean	Min	Median	Max	Standard Deviation	N	Missing
0	1.539	0	0	191.95	6.347	15249	0
1	4.705	0	0	188.00	13.491	517	0

Table 40: Diálise durante a admissão T0

death_1year	Mean	Min	Median	Max	Standard Deviation	N	Missing
0	0.007	0	0	28	0.302	15249	0
1	0.139	0	0	25	1.620	517	0

Table 41: Tempo de seguimento total (anos)

death_1year	Mean	Min	Median	Max	Standard Deviation	N	Missing
0	6.065	0	4.7	22.6	5.229	15249	0
1	0.421	0	0.4	1.0	0.289	517	0

Table 42: Tempo de sobrevida (anos)

death_1year	Mean	Min	Median	Max	Standard Deviation	N	Missing
0	5.601	0	4.6	20.1	3.989	15249	14001
1	0.421	0	0.4	1.0	0.289	517	0

Table 43: Diárias no serviço de Emergência na admissão T0

death_1year	Mean	Min	Median	Max	Standard Deviation	N	Missing
0	0.312	0	0	28	1.351	15249	5794
1	0.395	0	0	13	1.408	517	135

Table 44: Anticoagulantes orais

death_1year	Mean	Min	Median	Max	Standard Deviation	N	Missing
0	0.281	0	0	98	2.412	15249	3418
1	0.735	0	0	29	2.896	517	65

Table 45: Antiarritmicos

death_1year	Mean	Min	Median	Max	Standard Deviation	N	Missing
0	3.349	0	0	445	16.234	15249	3418
1	13.293	0	0	844	50.069	517	65

Table 46: Antihipertensivo

death_1year	Mean	Min	Median	Max	Standard Deviation	N	Missing
0	0.423	0	0	160	4.125	15249	3418
1	1.644	0	0	349	18.267	517	65

Table 47: Betabloqueador

death_1year	Mean	Min	Median	Max	Standard Deviation	N	Missing
0	1.080	0	0	388	8.126	15249	3418
1	1.301	0	0	68	6.517	517	65

Table 48: IECA/BRA

death_1year	Mean	Min	Median	Max	Standard Deviation	N	Missing
0	8.574	0	2	530	19.587	15249	3418
1	16.940	0	3	306	38.339	517	65

Table 49: DVA

death_1year	Mean	Min	Median	Max	Standard Deviation	N	Missing
0	4.742	0	0	1044	28.609	15249	3418
1	13.201	0	0	348	37.843	517	65

Table 50: Digoxina

death_1year	Mean	Min	Median	Max	Standard Deviation	N	Missing
0	0.219	0	0	50	1.575	15249	3418
1	0.619	0	0	28	2.790	517	65

Table 51: Estatinas

death_1year	Mean	Min	Median	Max	Standard Deviation	N	Missing
0	4.845	0	0	421	15.508	15249	3418
1	12.487	0	0	321	33.114	517	65

Table 52: Diuretico

death_1year	Mean	Min	Median	Max	Standard Deviation	N	Missing
0	7.797	0	0	1290.0	42.600	15249	3418
1	26.263	0	3	1010.5	83.034	517	65

Table 53: Vasodilator

death_1year	Mean	Min	Median	Max	Standard Deviation	N	Missing
0	7.986	0	0	2408.0	46.844	15249	3418
1	35.136	0	0	754.5	99.637	517	65

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

death_1year	Mean	Min	Median	Max	Standard Deviation	N	Missing
0	4.194	0	0	453	15.915	15249	3418
1	11.662	0	0	249	26.671	517	65

Table 55: Antagonista da Aldosterona (espironolactona)

death_1year	Mean	Min	Median	Max	Standard Deviation	N	Missing
0	1.903	0	0	204	7.438	15249	3418
1	5.543	0	0	141	13.249	517	65

Table 56: Bloqueador do canal de calcio

death_1year	Mean	Min	Median	Max	Standard Deviation	N	Missing
0	0.605	0	0	509	9.596	15249	3418
1	0.909	0	0	153	9.547	517	65

Table 57: Trombolitico

death_1year	Mean	Min	Median	Max	Standard Deviation	N	Missing
0	0.001	0	0	3	0.04	15249	3418
1	0.000	0	0	0	0.00	517	65

Table 58: Antiplaquetario VO

death_1year	Mean	Min	Median	Max	Standard Deviation	N	Missing
0	0	0	0	0	0	15249	3418
1	0	0	0	0	0	517	65

Table 59: Antiplaquetario EV

death_1year	Mean	Min	Median	Max	Standard Deviation	N	Missing
0	0.010	0	0	8	0.174	15249	3418
1	0.024	0	0	2	0.193	517	65

Table 60: Insulina

death_1year	Mean	Min	Median	Max	Standard Deviation	N	Missing
0	0.090	0	0	16	0.458	15249	3418
1	0.217	0	0	7	0.715	517	65

Table 61: Hipoglicemiante

death_1year	Mean	Min	Median	Max	Standard Deviation	N	Missing
0	0.359	0	0	90	2.855	15249	3418
1	0.368	0	0	39	2.487	517	65

Table 62: Hormonio tireoidiano

death_1year	Mean	Min	Median	Max	Standard Deviation	N	Missing
0	0	0	0	0	0	15249	3418
1	0	0	0	0	0	517	65

Table 63: Broncodiltador

death_1year	Mean	Min	Median	Max	Standard Deviation	N	Missing
0	0	0	0	0	0	15249	3418
1	0	0	0	0	0	517	65

Table 64: Anticonvulsivante

death_1year	Mean	Min	Median	Max	Standard Deviation	N	Missing
0	0.831	0	0	334	10.040	15249	3418
1	2.139	0	0	390	20.384	517	65

Table 65: Psicofármacos (Ansiolítico/ antidepressivo/ antipsicótico)

death_1year	Mean	Min	Median	Max	Standard Deviation	N	Missing
0	3.525	0	0	387	12.161	15249	3418
1	7.690	0	1	128	17.569	517	65

Table 66: Antibióticos

death_1year	Mean	Min	Median	Max	Standard Deviation	N	Missing
0	12.983	0	4	1812	59.739	15249	3418
1	23.535	0	4	358	52.058	517	65

Table 67: Antifúngicos

death_1year	Mean	Min	Median	Max	Standard Deviation	N	Missing
0	0.270	0	0	122	3.202	15249	3418
1	0.518	0	0	50	3.917	517	65

Table 68: Antiviral

death_1year	Mean	Min	Median	Max	Standard Deviation	N	Missing
0	0.104	0	0	131	2.530	15249	3418
1	0.077	0	0	14	0.916	517	65

Table 69: Antiretroviral

death_1year	Mean	Min	Median	Max	Standard Deviation	N	Missing
0	0.009	0	0	32	0.456	15249	3418
1	0.000	0	0	0	0.000	517	65

Table 70: Quantidade de classes medicamentosas utilizadas

death_1year	Mean	Min	Median	Max	Standard Deviation	N	Missing
0	4.677	1	4	17	2.507	15249	4842
1	6.500	1	6	15	2.819	517	113

Table 71: Ventilação não invasiva

death_1year	Mean	Min	Median	Max	Standard Deviation	N	Missing
0	0.018	0	0	42	0.629	15249	2682
1	0.037	0	0	8	0.474	517	52

Table 72: Instalação de CEC

death_1year	Mean	Min	Median	Max	Standard Deviation	N	Missing
0	0.012	0	0	2	0.109	15249	2682
1	0.011	0	0	1	0.103	517	52

Table 73: Cirurgia Cardiovascular

death_1year	Mean	Min	Median	Max	Standard Deviation	N	Missing
0	0.055	0	0	9	0.363	15249	2682
1	0.088	0	0	9	0.586	517	52

Table 74: Cirurgia Toracica

death_1year	Mean	Min	Median	Max	Standard Deviation	N	Missing
0	0.002	0	0	4	0.063	15249	2682
1	0.011	0	0	2	0.139	517	52

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

death_1year	Mean	Min	Median	Max	Standard Deviation	N	Missing
0	0.103	0	0	11	0.519	15249	2682
1	0.181	0	0	6	0.726	517	52

Table 76: Traqueostomia

death_1year	Mean	Min	Median	Max	Standard Deviation	N	Missing
0	0.001	0	0	5	0.056	15249	2682
1	0.000	0	0	0	0.000	517	52

Table 77: Intervenção coronária percutânea

death_1year	Mean	Min	Median	Max	Standard Deviation	N	Missing
0	0.010	0	0	4	0.125	15249	2682
1	0.026	0	0	3	0.216	517	52

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

death_1year	Mean	Min	Median	Max	Standard Deviation	N	Missing
0	0.007	0	0	3	0.117	15249	2682
1	0.006	0	0	2	0.104	517	52

Table 79: Stent

death_1year	Mean	Min	Median	Max	Standard Deviation	N	Missing
0	0	0	0	0	0	15249	2682
1	0	0	0	0	0	517	52

Table 80: Angioplastia

death_1year	Mean	Min	Median	Max	Standard Deviation	N	Missing
0	0.001	0	0	2	0.039	15249	2682
1	0.002	0	0	1	0.046	517	52

Table 81: Cateterismo

death_1year	Mean	Min	Median	Max	Standard Deviation	N	Missing
0	0.120	0	0	7	0.397	15249	2682
1	0.191	0	0	5	0.533	517	52

Table 82: Eletrofisiologia

death_1year	Mean	Min	Median	Max	Standard Deviation	N	Missing
0	0.081	0	0	11	0.470	15249	2682
1	0.099	0	0	7	0.579	517	52

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

death_1year	Mean	Min	Median	Max	Standard Deviation	N	Missing
0	0.094	0	0	535	5.345	15249	2682
1	0.434	0	0	177	8.281	517	52

Table 84: Cateter venoso central

death_1year	Mean	Min	Median	Max	Standard Deviation	N	Missing
0	0.027	0	0	4	0.193	15249	2682
1	0.073	0	0	4	0.381	517	52

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

death_1year	Mean	Min	Median	Max	Standard Deviation	N	Missing
0	0.005	0	0	6	0.100	15249	2682
1	0.015	0	0	4	0.212	517	52

Table 86: Quantidade de procedimentos invasivos

death_1year	Mean	Min	Median	Max	Standard Deviation	N	Missing
0	0.521	0	0	554	5.705	15249	2682
1	1.140	0	0	197	9.335	517	52

Table 87: Cardioversão/ Desfibrilação (sessão)

death_1year	Mean	Min	Median	Max	Standard Deviation	N	Missing
0	0.006	0	0	5	0.123	15249	3500
1	0.004	0	0	1	0.067	517	66

Table 88: Transfusão de hemoderivados

death_1year	Mean	Min	Median	Max	Standard Deviation	N	Missing
0	0.028	0	0	34	0.516	15249	2682
1	0.069	0	0	16	0.806	517	52

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

death_1year	Mean	Min	Median	Max	Standard Deviation	N	Missing
0	0.331	0	0	199	2.742	15249	2682
1	0.873	0	0	40	3.652	517	52

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

death_1year	Mean	Min	Median	Max	Standard Deviation	N	Missing
0	2.861	0	0	365	12.498	15249	2682
1	6.660	0	1	318	21.145	517	52

Table 91: ECG

death_1year	Mean	Min	Median	Max	Standard Deviation	N	Missing
0	3.798	0	2	97	5.586	15249	2682
1	6.456	0	4	140	9.059	517	52

Table 92: Holter

death_1year	Mean	Min	Median	Max	Standard Deviation	N	Missing
0	0.102	0	0	5	0.349	15249	2682
1	0.187	0	0	3	0.447	517	52

Table 93: Teste de esforço

death_1year	Mean	Min	Median	Max	Standard Deviation	N	Missing
0	0.011	0	0	3	0.109	15249	2682
1	0.000	0	0	0	0.000	517	52

Table 94: Espirometria / Ergoespirometria

death_1year	Mean	Min	Median	Max	Standard Deviation	N	Missing
0	0.004	0	0	2	0.069	15249	2682
1	0.006	0	0	1	0.080	517	52

Table 95: Tilt Test

death_1year	Mean	Min	Median	Max	Standard Deviation	N	Missing
0	0.002	0	0	2	0.05	15249	2682
1	0.006	0	0	1	0.08	517	52

Table 96: Polissonografia

death_1year	Mean	Min	Median	Max	Standard Deviation	N	Missing
0	0.001	0	0	2	0.044	15249	2682
1	0.002	0	0	1	0.046	517	52

Table 97: Quantidade de exames por métodos gráficos

death_1year	Mean	Min	Median	Max	Standard Deviation	N	Missing
0	3.919	0	2	97	5.728	15249	2682
1	6.658	0	4	140	9.162	517	52

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

death_1year	Mean	Min	Median	Max	Standard Deviation	N	Missing
0	56.119	0	9	3474	161.371	15249	2682
1	141.624	0	46	2342	256.007	517	52

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

death_1year	Mean	Min	Median	Max	Standard Deviation	N	Missing
0	0.275	0	0	25	1.095	15249	2682
1	0.794	0	0	16	1.884	517	52

Table 100: Quantidade de exames de análises clínicas

death_1year	Mean	Min	Median	Max	Standard Deviation	N	Missing
0	56.393	0	9	3487	162.215	15249	2682
1	142.417	0	46	2354	257.415	517	52

Table 101: Citologias

death_1year	Mean	Min	Median	Max	Standard Deviation	N	Missing
0	0.004	0	0	5	0.086	15249	2682
1	0.043	0	0	4	0.290	517	52

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

death_1year	Mean	Min	Median	Max	Standard Deviation	N	Missing
0	0.015	0	0	10	0.259	15249	2682
1	0.011	0	0	4	0.191	517	52

Table 103: Quantidade de exames histopatológicos

death_1year	Mean	Min	Median	Max	Standard Deviation	N	Missing
0	0.019	0	0	10	0.282	15249	2682
1	0.054	0	0	4	0.353	517	52

Table 104: Angio RM

death_1year	Mean	Min	Median	Max	Standard Deviation	N	Missing
0	0.004	0	0	4	0.085	15249	2682
1	0.004	0	0	2	0.093	517	52

Table 105: Angio TC

death_1year	Mean	Min	Median	Max	Standard Deviation	N	Missing
0	0.033	0	0	6	0.228	15249	2682
1	0.058	0	0	4	0.339	517	52

Table 106: Angiografia

death_1year	Mean	Min	Median	Max	Standard Deviation	N	Missing
0	0.002	0	0	3	0.05	15249	2682
1	0.006	0	0	1	0.08	517	52

Table 107: Aortografia

death_1year	Mean	Min	Median	Max	Standard Deviation	N	Missing
0	0.002	0	0	2	0.046	15249	2682
1	0.009	0	0	2	0.113	517	52

Table 108: Arteriografia

death_1year	Mean	Min	Median	Max	Standard Deviation	N	Missing
0	0.001	0	0	2	0.027	15249	2682
1	0.002	0	0	1	0.046	517	52

Table 109: Cavografia

death_1year	Mean	Min	Median	Max	Standard Deviation	N	Missing
0	0.007	0	0	1	0.083	15249	2682
1	0.011	0	0	1	0.103	517	52

Table 110: Cintilografia

death_1year	Mean	Min	Median	Max	Standard Deviation	N	Missing
0	0.061	0	0	5	0.344	15249	2682
1	0.172	0	0	4	0.561	517	52

Table 111: Ecocardiograma

death_1year	Mean	Min	Median	Max	Standard Deviation	N	Missing
0	0.519	0	0	24	1.181	15249	2682
1	0.916	0	1	18	1.711	517	52

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

death_1year	Mean	Min	Median	Max	Standard Deviation	N	Missing
0	0.015	0	0	6	0.165	15249	2682
1	0.032	0	0	2	0.220	517	52

Table 113: Flebografia

death_1year	Mean	Min	Median	Max	Standard Deviation	N	Missing
0	0.035	0	0	5	0.285	15249	2682
1	0.056	0	0	4	0.349	517	52

Table 114: PET-CT

death_1year	Mean	Min	Median	Max	Standard Deviation	N	Missing
0	0.005	0	0	3	0.074	15249	2682
1	0.011	0	0	1	0.103	517	52

Table 115: Ultrassom

death_1year	Mean	Min	Median	Max	Standard Deviation	N	Missing
0	0.158	0	0	14	0.738	15249	2682
1	0.533	0	0	14	1.397	517	52

Table 116: Tomografia

death_1year	Mean	Min	Median	Max	Standard Deviation	N	Missing
0	0.150	0	0	15	0.647	15249	2682
1	0.346	0	0	7	0.832	517	52

Table 117: Radiografias

death_1year	Mean	Min	Median	Max	Standard Deviation	N	Missing
0	2.856	0	1	192	6.781	15249	2682
1	5.772	0	2	184	12.560	517	52

Table 118: Ressonancia magnetica

death_1year	Mean	Min	Median	Max	Standard Deviation	N	Missing
0	0.071	0	0	6	0.304	15249	2682
1	0.142	0	0	3	0.406	517	52

Table 119: Quantidade de exames diagnóstico por imagem

death_1year	Mean	Min	Median	Max	Standard Deviation	N	Missing
0	3.918	0	2	232	8.553	15249	2682
1	8.071	0	4	200	14.800	517	52

Table 120: Dieta enteral (frasco)

death_1year	Mean	Min	Median	Max	Standard Deviation	N	Missing
0	0.026	0	0	115	1.398	15249	3502
1	0.295	0	0	111	5.309	517	66

Table 121: Dieta parenteral (frasco)

death_1year	Mean	Min	Median	Max	Standard Deviation	N	Missing
0	0.001	0	0	5	0.062	15249	3502
1	0.000	0	0	0	0.000	517	66

Table 122: Bomba de infusão contínua (horas)

death_1year	Mean	Min	Median	Max	Standard Deviation	N	Missing
0	0.778	0	0	1527	21.167	15249	3502
1	5.149	0	0	743	51.345	517	66

Table 123: Marca-passo temporário (por hora)

death_1year	Mean	Min	Median	Max	Standard Deviation	N	Missing
0	0.157	0	0	180	3.038	15249	3502
1	0.175	0	0	48	2.476	517	66

Table 124: Número de procedimentos na admissão T0

death_1year	Mean	Min	Median	Max	Standard Deviation	N	Missing
0	1.015	1	1	5	0.138	15249	0
1	1.019	1	1	3	0.164	517	0

Table 125: Número de procedimentos em até 30 dias

death_1year	Mean	Min	Median	Max	Standard Deviation	N	Missing
0	0.008	0	0	3	0.097	15249	0
1	0.015	0	0	1	0.124	517	0

Table 126: Número de procedimentos em até 60 dias

death_1year	Mean	Min	Median	Max	Standard Deviation	N	Missing
0	0.009	0	0	3	0.101	15249	0
1	0.021	0	0	1	0.144	517	0

Table 127: Número de procedimentos em até 180 dias

death_1year	Mean	Min	Median	Max	Standard Deviation	N	Missing
0	0.012	0	0	4	0.130	15249	0
1	0.019	0	0	2	0.164	517	0

Table 128: Número de procedimentos em até 1 ano

death_1year	Mean	Min	Median	Max	Standard Deviation	N	Missing
0	0.011	0	0	3	0.125	15249	0
1	0.015	0	0	2	0.138	517	0

Table 129: Quantidade de classes medicamentosas de ação cardiovascular

death_1year	Mean	Min	Median	Max	Standard Deviation	N	Missing
0	3.063	1	3	10	1.746	15249	6396
1	4.243	1	4	9	1.945	517	139

Table 130: Quantidade de medicamentos de ação cardiovascular

death_1year	Mean	Min	Median	Max	Standard Deviation	N	Missing
0	40.872	0	9.00	5140	125.242	15249	3418
1	126.512	0	28.75	1695	252.994	517	65

Table 131: Quantidade de antimicrobianos (antibióticos e antifúngicos)

death_1year	Mean	Min	Median	Max	Standard Deviation	N	Missing
0	13.253	0	4	1812	60.857	15249	3418
1	24.053	0	4	358	53.440	517	65

Table 132: Tempo de permanência hospitalar

death_1year	Mean	Min	Median	Max	Standard Deviation	N	Missing
0	7.666	0	3	360	12.928	15249	0
1	17.408	0	10	224	22.074	517	0

Categorical variables

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

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

```r
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)
}
```

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

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

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

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

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

```r
if (transpose) {

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

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

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

  t <- temp_table %>%
    as.data.frame %>%
    rownames_to_column(var = abbreviated_name) %>%
    kbl(align = "c", booktabs = T, digits = 2, format = 'latex',
        caption = caption, label = i) %>%
    row_spec(length(unique(df %>% .[[column]] %>% replace_na("NA"))),
             hline_after = T) %>%
    column_spec(3, border_right = T) %>%
    collapse_rows(1, latex_hline = "none") %>%
    add_header_above(c(setNames(1, ' '),
                       setNames(length(unique(df[[outcome_column]])),
                                outcome_column))) %>%
    kable_styling(latex_options = c("HOLD_position", "repeat_header"))

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

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

  if (has_na) {
    colnames(temp_table)[ncol(temp_table) - 1] <- "NA"
  }

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

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

Table 133: Contingency table between death 1year and Sexo

| | Sexo | | |
death_1year	0	1	Total
0	7250 (97%)	7999 (96%)	15249
1	199 (3%)	318 (4%)	517
Total	7449 (100%)	8317 (100%)	15766

Table 134: Contingency table between death 1year and Raça

| | death_1year | | |
Raça	0	1	Total
1	13018 (97%)	435 (3%)	13453 (100%)
2	755 (96%)	29 (4%)	784 (100%)
3	649 (97%)	22 (3%)	671 (100%)
4	207 (95%)	11 (5%)	218 (100%)
5	2 (100%)	0 (0%)	2 (100%)
999	550 (97%)	15 (3%)	565 (100%)
NA	68 (93%)	5 (7%)	73 (100%)
Total	15249	517	15766

Table 135: Contingency table between death 1year and Escolaridade

| | death_1year | | |
Escolaridade	0	1	Total
0	703 (97%)	24 (3%)	727 (100%)
1	913 (98%)	22 (2%)	935 (100%)
2	3729 (98%)	92 (2%)	3821 (100%)
3	656 (98%)	15 (2%)	671 (100%)
4	1177 (98%)	27 (2%)	1204 (100%)
999	7637 (96%)	312 (4%)	7949 (100%)
NA	434 (95%)	25 (5%)	459 (100%)
Total	15249	517	15766

Table 136: Contingency table between death 1year and Estado de residência

| | death_1year | | |
Estado de residência	0	1	Total
11	12 (100%)	0 (0%)	12 (100%)
12	12 (92%)	1 (8%)	13 (100%)
13	11 (92%)	1 (8%)	12 (100%)
14	2 (100%)	0 (0%)	2 (100%)
15	11 (92%)	1 (8%)	12 (100%)
16	2 (100%)	0 (0%)	2 (100%)
17	2 (100%)	0 (0%)	2 (100%)
21	5 (83%)	1 (17%)	6 (100%)
22	11 (100%)	0 (0%)	11 (100%)
23	9 (100%)	0 (0%)	9 (100%)
24	6 (100%)	0 (0%)	6 (100%)
25	8 (100%)	0 (0%)	8 (100%)
26	17 (94%)	1 (6%)	18 (100%)
27	5 (100%)	0 (0%)	5 (100%)
28	6 (100%)	0 (0%)	6 (100%)
29	98 (98%)	2 (2%)	100 (100%)
31	266 (99%)	4 (1%)	270 (100%)
32	11 (100%)	0 (0%)	11 (100%)
33	86 (100%)	0 (0%)	86 (100%)
35	13968 (97%)	479 (3%)	14447 (100%)
41	63 (97%)	2 (3%)	65 (100%)
42	28 (100%)	0 (0%)	28 (100%)
43	4 (100%)	0 (0%)	4 (100%)
50	13 (93%)	1 (7%)	14 (100%)
51	16 (100%)	0 (0%)	16 (100%)
52	23 (100%)	0 (0%)	23 (100%)
53	17 (100%)	0 (0%)	17 (100%)
NA	537 (96%)	24 (4%)	561 (100%)
Total	15249	517	15766

Table 137: Contingency table between death 1year and Doença cardíaca

| | death_1year | | |
Doença cardíaca	0	1	Total
1	7872 (97%)	233 (3%)	8105 (100%)
2	1003 (95%)	48 (5%)	1051 (100%)
3	1072 (94%)	71 (6%)	1143 (100%)
4	1203 (96%)	48 (4%)	1251 (100%)
5	1694 (97%)	58 (3%)	1752 (100%)
6	335 (97%)	9 (3%)	344 (100%)
7	88 (99%)	1 (1%)	89 (100%)
8	26 (96%)	1 (4%)	27 (100%)
9	242 (98%)	4 (2%)	246 (100%)
NA	1714 (97%)	44 (3%)	1758 (100%)
Total	15249	517	15766

Table 138: Contingency table between death 1year and Doença cardíaca

death_1year	Doença cardíaca				Total
	0	1	2	NA	
0	8875 (97%)	1072 (94%)	3346 (97%)	1956 (98%)	15249
1	281 (3%)	71 (6%)	117 (3%)	48 (2%)	517
Total	9156 (100%)	1143 (100%)	3463 (100%)	2004 (100%)	15766

Table 139: Contingency table between death 1year and Classe funcional de IC (NYHA)

Classe funcional de IC (NYHA)	death_1year		Total
	0	1	
1	3249 (97%)	91 (3%)	3340 (100%)
2	2561 (96%)	94 (4%)	2655 (100%)
3	1092 (92%)	90 (8%)	1182 (100%)
4	145 (88%)	19 (12%)	164 (100%)
999	10 (100%)	0 (0%)	10 (100%)
NA	8192 (97%)	223 (3%)	8415 (100%)
Total	15249	517	15766

Table 140: Contingency table between death 1year and Classe funcional de IC (NYHA)

death_1year	Classe funcional de IC (NYHA)			Total
	1	2	NA	
0	5810 (97%)	1237 (92%)	8202 (97%)	15249
1	185 (3%)	109 (8%)	223 (3%)	517
Total	5995 (100%)	1346 (100%)	8425 (100%)	15766

Table 141: Contingency table between death 1year and Hipertensão arterial

death_1year	Hipertensão arterial		Total
	0	1	
0	11598 (97%)	3651 (95%)	15249
1	335 (3%)	182 (5%)	517
Total	11933 (100%)	3833 (100%)	15766

Table 142: Contingency table between death 1year and Infarto do miocárdio prévio / Doença arterial coronariana

death_1year	Infarto do miocárdio prévio / Doença arterial coronariana		Total
	0	1	
0	13894 (97%)	1355 (94%)	15249
1	429 (3%)	88 (6%)	517
Total	14323 (100%)	1443 (100%)	15766

Table 143: Contingency table between death 1year and Insuficiência cardíaca

| | Insuficiência cardíaca | | |
death_1year	0	1	Total
0	9910 (98%)	5339 (95%)	15249
1	215 (2%)	302 (5%)	517
Total	10125 (100%)	5641 (100%)	15766

Table 144: Contingency table between death 1year and Fibrilação / flutter atrial

| | Fibrilação / flutter atrial | | |
death_1year	0	1	Total
0	12988 (97%)	2261 (95%)	15249
1	395 (3%)	122 (5%)	517
Total	13383 (100%)	2383 (100%)	15766

Table 145: Contingency table between death 1year and Parada cardíaca prévia/ Taquicardia ventricular instável

| | Parada cardíaca prévia/ Taquicardia ventricular instável | | |
death_1year	0	1	Total
0	13437 (97%)	1812 (96%)	15249
1	436 (3%)	81 (4%)	517
Total	13873 (100%)	1893 (100%)	15766

Table 146: Contingency table between death 1year and Transplante cardíaco prévio

| | Transplante cardíaco prévio | | |
death_1year	0	1	Total
0	15237 (97%)	12 (100%)	15249
1	517 (3%)	0 (0%)	517
Total	15754 (100%)	12 (100%)	15766

Table 147: Contingency table between death 1year and Valvopatias/ Prótese valvares

| | Valvopatias/ Prótese valvares | | |
death_1year	0	1	Total
0	14280 (97%)	969 (92%)	15249
1	432 (3%)	85 (8%)	517
Total	14712 (100%)	1054 (100%)	15766

Table 148: Contingency table between death 1year and Endocardite prévia

death_1year	Endocardite prévia		Total
	0	1	
0	15119 (97%)	130 (98%)	15249
1	514 (3%)	3 (2%)	517
Total	15633 (100%)	133 (100%)	15766

Table 149: Contingency table between death 1year and Diabetes melittus

death_1year	Diabetes melittus		Total
	0	1	
0	13491 (97%)	1758 (94%)	15249
1	399 (3%)	118 (6%)	517
Total	13890 (100%)	1876 (100%)	15766

Table 150: Contingency table between death 1year and Insuficiência renal crônica

death_1year	Insuficiência renal crônica		Total
	0	1	
0	14692 (97%)	557 (90%)	15249
1	454 (3%)	63 (10%)	517
Total	15146 (100%)	620 (100%)	15766

Table 151: Contingency table between death 1year and Hemodiálise

death_1year	Hemodiálise		Total
	0	1	
0	15236 (97%)	13 (68%)	15249
1	511 (3%)	6 (32%)	517
Total	15747 (100%)	19 (100%)	15766

Table 152: Contingency table between death 1year and Acidente Vascular Cerebral/ Acidente isquêmico transitório prévios

death_1year	Acidente Vascular Cerebral/ Acidente isquêmico transitório prévios		Total
	0	1	
0	14781 (97%)	468 (94%)	15249
1	486 (3%)	31 (6%)	517
Total	15267 (100%)	499 (100%)	15766

Table 153: Contingency table between death 1year and Doença pulmonar obstrutiva crônica

death_1year	Doença pulmonar obstrutiva crônica		Total
	0	1	
0	15053 (97%)	196 (92%)	15249
1	500 (3%)	17 (8%)	517
Total	15553 (100%)	213 (100%)	15766

Table 154: Contingency table between death 1year and Neoplasia em tratamento ou tratada recentemente (12 meses)

death_1year	Neoplasia em tratamento ou tratada recentemente (12 meses)		Total
	0	1	
0	15144 (97%)	105 (93%)	15249
1	509 (3%)	8 (7%)	517
Total	15653 (100%)	113 (100%)	15766

Table 155: Contingency table between death 1year and Tipo de Procedimento 1

death_1year	Tipo de Procedimento 1		Total
	1	2	
0	10499 (96%)	4750 (98%)	15249
1	413 (4%)	104 (2%)	517
Total	10912 (100%)	4854 (100%)	15766

Table 156: Contingency table between death 1year and Tipo de Reoperação 1

death_1year	Tipo de Reoperação 1				Total
	1	2	3	NA	
0	3836 (98%)	883 (97%)	31 (94%)	10499 (96%)	15249
1	76 (2%)	26 (3%)	2 (6%)	413 (4%)	517
Total	3912 (100%)	909 (100%)	33 (100%)	10912 (100%)	15766

Table 157: Contingency table between death 1year and Tipo de Procedimento 1 (merge: procedure type com reop type)

death_1year	Tipo de Procedimento 1 (merge: procedure type com reop type)				Total
	1	2	3	4	
0	10499 (96%)	3836 (98%)	883 (97%)	31 (94%)	15249
1	413 (4%)	76 (2%)	26 (3%)	2 (6%)	517
Total	10912 (100%)	3912 (100%)	909 (100%)	33 (100%)	15766

Table 158: Contingency table between death 1year and Tipo de Dispositivo ao final do procedimento 1

death_1year	Tipo de Dispositivo ao final do procedimento 1				Total
	1	2	3	4	
0	11980 (97%)	1693 (96%)	1165 (93%)	411 (92%)	15249
1	315 (3%)	79 (4%)	89 (7%)	34 (8%)	517
Total	12295 (100%)	1772 (100%)	1254 (100%)	445 (100%)	15766

Table 159: Contingency table between death 1year and Tipo de Dispositivo ao final do procedimento 1

death_1year	Tipo de Dispositivo ao final do procedimento 1		Total
	1	2	
0	13673 (97%)	1576 (93%)	15249
1	394 (3%)	123 (7%)	517
Total	14067 (100%)	1699 (100%)	15766

Table 160: Contingency table between death 1year and Óbito intraoperatório 1

death_1year	Óbito intraoperatório 1	Total
	0	
0	15249 (97%)	15249
1	517 (3%)	517
Total	15766 (100%)	15766

Table 161: Contingency table between death 1year and Tipo de Reoperação 2

death_1year	Tipo de Reoperação 2				Total
	1	2	3	NA	
0	3257 (100%)	1444 (98%)	118 (98%)	10430 (96%)	15249
1	2 (0%)	30 (2%)	3 (2%)	482 (4%)	517
Total	3259 (100%)	1474 (100%)	121 (100%)	10912 (100%)	15766

Table 162: Contingency table between death 1year and Tipo de Dispositivo ao final do procedimento 2

death_1year	Tipo de Dispositivo ao final do procedimento 2					Total
	1	2	3	4	NA	
0	3605 (100%)	636 (99%)	381 (98%)	198 (98%)	10429 (96%)	15249
1	18 (0%)	6 (1%)	6 (2%)	5 (2%)	482 (4%)	517
Total	3623 (100%)	642 (100%)	387 (100%)	203 (100%)	10911 (100%)	15766

Table 163: Contingency table between death 1year and Óbito intraoperatório 2

| | Óbito intraoperatório 2 | | |
death_1year	0	NA	Total
0	4826 (99%)	10423 (96%)	15249
1	35 (1%)	482 (4%)	517
Total	4861 (100%)	10905 (100%)	15766

Table 164: Contingency table between death 1year and Tipo de Reoperação 3

| | Tipo de Reoperação 3 | | | | |
death_1year	1	2	3	NA	Total
0	723 (100%)	568 (98%)	61 (98%)	13897 (96%)	15249
1	0 (0%)	10 (2%)	1 (2%)	506 (4%)	517
Total	723 (100%)	578 (100%)	62 (100%)	14403 (100%)	15766

Table 165: Contingency table between death 1year and Tipo de Dispositivo ao final do procedimento 3

| | Tipo de Dispositivo ao final do procedimento 3 | | | | | |
death_1year	1	2	3	4	NA	Total
0	960 (99%)	250 (100%)	157 (98%)	98 (99%)	13784 (96%)	15249
1	6 (1%)	1 (0%)	3 (2%)	1 (1%)	506 (4%)	517
Total	966 (100%)	251 (100%)	160 (100%)	99 (100%)	14290 (100%)	15766

Table 166: Contingency table between death 1year and Óbito intraoperatório 3

| | Óbito intraoperatório 3 | | | |
death_1year	0	1	NA	Total
0	1462 (99%)	4 (100%)	13783 (96%)	15249
1	11 (1%)	0 (0%)	506 (4%)	517
Total	1473 (100%)	4 (100%)	14289 (100%)	15766

Table 167: Contingency table between death 1year and Tipo de Reoperação 4

| | Tipo de Reoperação 4 | | | | |
death_1year	1	2	3	NA	Total
0	192 (100%)	250 (100%)	33 (100%)	14774 (97%)	15249
1	0 (0%)	1 (0%)	0 (0%)	516 (3%)	517
Total	192 (100%)	251 (100%)	33 (100%)	15290 (100%)	15766

Table 168: Contingency table between death 1year and Tipo de Dispositivo ao final do procedimento 4

death_1year	Tipo de Dispositivo ao final do procedimento 4					Total
	1	2	3	4	NA	
0	287 (100%)	110 (100%)	45 (100%)	42 (100%)	14765 (97%)	15249
1	1 (0%)	0 (0%)	0 (0%)	0 (0%)	516 (3%)	517
Total	288 (100%)	110 (100%)	45 (100%)	42 (100%)	15281 (100%)	15766

Table 169: Contingency table between death 1year and Óbito intraoperatório 4

death_1year	Óbito intraoperatório 4		Total
	0	NA	
0	484 (100%)	14765 (97%)	15249
1	1 (0%)	516 (3%)	517
Total	485 (100%)	15281 (100%)	15766

Table 170: Contingency table between death 1year and Tipo de Reoperação 5

death_1year	Tipo de Reoperação 5				Total
	1	2	3	NA	
0	71 (100%)	106 (100%)	14 (100%)	15058 (97%)	15249
1	0 (0%)	0 (0%)	0 (0%)	517 (3%)	517
Total	71 (100%)	106 (100%)	14 (100%)	15575 (100%)	15766

Table 171: Contingency table between death 1year and Tipo de Dispositivo ao final do procedimento 5

death_1year	Tipo de Dispositivo ao final do procedimento 5					Total
	1	2	3	4	NA	
0	100 (100%)	56 (100%)	22 (100%)	13 (100%)	15058 (97%)	15249
1	0 (0%)	0 (0%)	0 (0%)	0 (0%)	517 (3%)	517
Total	100 (100%)	56 (100%)	22 (100%)	13 (100%)	15575 (100%)	15766

Table 172: Contingency table between death 1year and Óbito intraoperatório 5

death_1year	Óbito intraoperatório 5		Total
	0	NA	
0	192 (100%)	15057 (97%)	15249
1	0 (0%)	517 (3%)	517
Total	192 (100%)	15574 (100%)	15766

Table 173: Contingency table between death 1year and Tipo de Reoperação 6

death_1year	Tipo de Reoperação 6				Total
	1	2	3	NA	
0	26 (100%)	46 (100%)	6 (100%)	15171 (97%)	15249
1	0 (0%)	0 (0%)	0 (0%)	517 (3%)	517
Total	26 (100%)	46 (100%)	6 (100%)	15688 (100%)	15766

Table 174: Contingency table between death 1year and Tipo de Dispositivo ao final do procedimento 6

death_1year	Tipo de Dispositivo ao final do procedimento 6					Total
	1	2	3	4	NA	
0	40 (100%)	25 (100%)	7 (100%)	9 (100%)	15168 (97%)	15249
1	0 (0%)	0 (0%)	0 (0%)	0 (0%)	517 (3%)	517
Total	40 (100%)	25 (100%)	7 (100%)	9 (100%)	15685 (100%)	15766

Table 175: Contingency table between death 1year and Óbito intraoperatório 6

death_1year	Óbito intraoperatório 6		Total
	0	NA	
0	81 (100%)	15168 (97%)	15249
1	0 (0%)	517 (3%)	517
Total	81 (100%)	15685 (100%)	15766

Table 176: Contingency table between death 1year and Tipo de Reoperação 7

death_1year	Tipo de Reoperação 7				Total
	1	2	3	NA	
0	10 (100%)	18 (100%)	4 (100%)	15217 (97%)	15249
1	0 (0%)	0 (0%)	0 (0%)	517 (3%)	517
Total	10 (100%)	18 (100%)	4 (100%)	15734 (100%)	15766

Table 177: Contingency table between death 1year and Tipo de Dispositivo ao final do procedimento 7

death_1year	Tipo de Dispositivo ao final do procedimento 7					Total
	1	2	3	4	NA	
0	13 (100%)	13 (100%)	1 (100%)	4 (100%)	15218 (97%)	15249
1	0 (0%)	0 (0%)	0 (0%)	0 (0%)	517 (3%)	517
Total	13 (100%)	13 (100%)	1 (100%)	4 (100%)	15735 (100%)	15766

Table 178: Contingency table between death 1year and Óbito intraoperatório 7

| | Óbito intraoperatório 7 | | |
death_1year	0	NA	Total
0	32 (100%)	15217 (97%)	15249
1	0 (0%)	517 (3%)	517
Total	32 (100%)	15734 (100%)	15766

Table 179: Contingency table between death 1year and Tipo de Reoperação 8

| | Tipo de Reoperação 8 | | | |
death_1year	1	2	NA	Total
0	3 (100%)	9 (100%)	15237 (97%)	15249
1	0 (0%)	0 (0%)	517 (3%)	517
Total	3 (100%)	9 (100%)	15754 (100%)	15766

Table 180: Contingency table between death 1year and Tipo de Dispositivo ao final do procedimento 8

| | Tipo de Dispositivo ao final do procedimento 8 | | | | |
death_1year	1	2	4	NA	Total
0	7 (100%)	4 (100%)	1 (100%)	15237 (97%)	15249
1	0 (0%)	0 (0%)	0 (0%)	517 (3%)	517
Total	7 (100%)	4 (100%)	1 (100%)	15754 (100%)	15766

Table 181: Contingency table between death 1year and Óbito intraoperatório 8

| | Óbito intraoperatório 8 | | |
death_1year	0	NA	Total
0	12 (100%)	15237 (97%)	15249
1	0 (0%)	517 (3%)	517
Total	12 (100%)	15754 (100%)	15766

Table 182: Contingency table between death 1year and Tipo de Reoperação 9

| | Tipo de Reoperação 9 | | |
death_1year	2	NA	Total
0	5 (100%)	15244 (97%)	15249
1	0 (0%)	517 (3%)	517
Total	5 (100%)	15761 (100%)	15766

Table 183: Contingency table between death 1year and Tipo de Dispositivo ao final do procedimento 9

death_1year	Tipo de Dispositivo ao final do procedimento 9			Total
	1	2	NA	
0	3 (100%)	2 (100%)	15244 (97%)	15249
1	0 (0%)	0 (0%)	517 (3%)	517
Total	3 (100%)	2 (100%)	15761 (100%)	15766

Table 184: Contingency table between death 1year and Óbito intraoperatório 9

death_1year	Óbito intraoperatório 9		Total
	0	NA	
0	5 (100%)	15244 (97%)	15249
1	0 (0%)	517 (3%)	517
Total	5 (100%)	15761 (100%)	15766

Table 185: Contingency table between death 1year and Tipo de Reoperação 10

death_1year	Tipo de Reoperação 10		Total
	2	NA	
0	1 (100%)	15248 (97%)	15249
1	0 (0%)	517 (3%)	517
Total	1 (100%)	15765 (100%)	15766

Table 186: Contingency table between death 1year and Tipo de Dispositivo ao final do procedimento 10

death_1year	Tipo de Dispositivo ao final do procedimento 10		Total
	2	NA	
0	1 (100%)	15248 (97%)	15249
1	0 (0%)	517 (3%)	517
Total	1 (100%)	15765 (100%)	15766

Table 187: Contingency table between death 1year and Óbito intraoperatório 10

death_1year	Óbito intraoperatório 10		Total
	0	NA	
0	1 (100%)	15248 (97%)	15249
1	0 (0%)	517 (3%)	517
Total	1 (100%)	15765 (100%)	15766

Table 188: Contingency table between death 1year and Mudança do tipo de DCEI: entre o Procedimento 1 e Procedimento 2

| death_1year | Mudança do tipo de DCEI: entre o Procedimento 1 e Procedimento 2 | | | Total |
	0	1	NA	
0	4542 (99%)	278 (100%)	10429 (96%)	15249
1	34 (1%)	1 (0%)	482 (4%)	517
Total	4576 (100%)	279 (100%)	10911 (100%)	15766

Table 189: Contingency table between death 1year and Mudança do tipo de DCEI: entre o Procedimento 2 e Procedimento 3

| death_1year | Mudança do tipo de DCEI: entre o Procedimento 2 e Procedimento 3 | | | Total |
	0	1	NA	
0	1373 (99%)	92 (98%)	13784 (96%)	15249
1	9 (1%)	2 (2%)	506 (4%)	517
Total	1382 (100%)	94 (100%)	14290 (100%)	15766

Table 190: Contingency table between death 1year and Mudança do tipo de DCEI: entre o Procedimento 3 e Procedimento 4

| death_1year | Mudança do tipo de DCEI: entre o Procedimento 3 e Procedimento 4 | | | Total |
	0	1	NA	
0	456 (100%)	28 (100%)	14765 (97%)	15249
1	1 (0%)	0 (0%)	516 (3%)	517
Total	457 (100%)	28 (100%)	15281 (100%)	15766

Table 191: Contingency table between death 1year and Mudança do tipo de DCEI: entre o Procedimento 4 e Procedimento 5

| death_1year | Mudança do tipo de DCEI: entre o Procedimento 4 e Procedimento 5 | | | Total |
	0	1	NA	
0	182 (100%)	9 (100%)	15058 (97%)	15249
1	0 (0%)	0 (0%)	517 (3%)	517
Total	182 (100%)	9 (100%)	15575 (100%)	15766

Table 192: Contingency table between death 1year and Mudança do tipo de DCEI: entre o Procedimento 5 e Procedimento 6

| death_1year | Mudança do tipo de DCEI: entre o Procedimento 5 e Procedimento 6 | | | Total |
	0	1	NA	
0	74 (100%)	7 (100%)	15168 (97%)	15249
1	0 (0%)	0 (0%)	517 (3%)	517
Total	74 (100%)	7 (100%)	15685 (100%)	15766

Table 193: Contingency table between death 1year 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_1year	0	1	NA	Total
0	28 (100%)	3 (100%)	15218 (97%)	15249
1	0 (0%)	0 (0%)	517 (3%)	517
Total	28 (100%)	3 (100%)	15735 (100%)	15766

Table 194: Contingency table between death 1year 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_1year	0	1	NA	Total
0	11 (100%)	1 (100%)	15237 (97%)	15249
1	0 (0%)	0 (0%)	517 (3%)	517
Total	11 (100%)	1 (100%)	15754 (100%)	15766

Table 195: Contingency table between death 1year 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_1year	0	NA	Total
0	5 (100%)	15244 (97%)	15249
1	0 (0%)	517 (3%)	517
Total	5 (100%)	15761 (100%)	15766

Table 196: Contingency table between death 1year 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_1year	0	NA	Total
0	1 (100%)	15248 (97%)	15249
1	0 (0%)	517 (3%)	517
Total	1 (100%)	15765 (100%)	15766

Table 197: Contingency table between death 1year and Diálise durante os episódios de hospitalização

| | Diálise durante os episódios de hospitalização | | |
death_1year	0	1	Total
0	15215 (97%)	34 (77%)	15249
1	507 (3%)	10 (23%)	517
Total	15722 (100%)	44 (100%)	15766

Table 198: Contingency table between death 1year and UTI durante os episódios de hospitalização

	UTI durante os episódios de hospitalização		
death_1year	0	1	Total
0	12208 (97%)	3041 (95%)	15249
1	347 (3%)	170 (5%)	517
Total	12555 (100%)	3211 (100%)	15766

Table 199: Contingency table between death 1year and Admissão em até 180 dias antes da T0

	Admissão em até 180 dias antes da T0		
death_1year	0	1	Total
0	14254 (97%)	995 (93%)	15249
1	442 (3%)	75 (7%)	517
Total	14696 (100%)	1070 (100%)	15766

Table 200: Contingency table between death 1year and Readmissões pós-T0 com diárias de UTI

	death_1year		
Readmissões pós-T0 com diárias de UTI	0	1	Total
0	14781 (97%)	489 (3%)	15270 (100%)
1	425 (94%)	27 (6%)	452 (100%)
2	34 (97%)	1 (3%)	35 (100%)
3	5 (100%)	0 (0%)	5 (100%)
4	2 (100%)	0 (0%)	2 (100%)
5	1 (100%)	0 (0%)	1 (100%)
7	1 (100%)	0 (0%)	1 (100%)
Total	15249	517	15766

Table 201: Contingency table between death 1year and Readmissões pós-T0 com diálise

	Readmissões pós-T0 com diálise				
death_1year	0	1	2	3	Total
0	15231 (97%)	15 (79%)	2 (100%)	1 (100%)	15249
1	513 (3%)	4 (21%)	0 (0%)	0 (0%)	517
Total	15744 (100%)	19 (100%)	2 (100%)	1 (100%)	15766

Table 202: Contingency table between death 1year and Desfecho principal da admissão T0

	Desfecho principal da admissão T0	
death_1year	0	Total
0	15249 (97%)	15249
1	517 (3%)	517
Total	15766 (100%)	15766

Table 203: Contingency table between death 1year and Readmissão em até 30 dias

| | Readmissão em até 30 dias | | |
death_1year	0	1	Total
0	14777 (97%)	472 (78%)	15249
1	386 (3%)	131 (22%)	517
Total	15163 (100%)	603 (100%)	15766

Table 204: Contingency table between death 1year and Readmissão em até 60 dias

| | Readmissão em até 60 dias | | |
death_1year	0	1	Total
0	14533 (98%)	716 (79%)	15249
1	327 (2%)	190 (21%)	517
Total	14860 (100%)	906 (100%)	15766

Table 205: Contingency table between death 1year and Readmissão em até 180 dias

| | Readmissão em até 180 dias | | |
death_1year	0	1	Total
0	14050 (98%)	1199 (81%)	15249
1	227 (2%)	290 (19%)	517
Total	14277 (100%)	1489 (100%)	15766

Table 206: Contingency table between death 1year and Readmissão em até 1 ano

| | Readmissão em até 1 ano | | |
death_1year	0	1	Total
0	13582 (99%)	1667 (83%)	15249
1	172 (1%)	345 (17%)	517
Total	13754 (100%)	2012 (100%)	15766

Table 207: Contingency table between death 1year and Readmissão cirúrgica em até 30 dias

| | Readmissão cirúrgica em até 30 dias | | |
death_1year	0	1	Total
0	15123 (97%)	126 (92%)	15249
1	506 (3%)	11 (8%)	517
Total	15629 (100%)	137 (100%)	15766

Table 208: Contingency table between death 1year and Readmissão cirúrgica entre 31 a 60 dias

| death_1year | Readmissão cirúrgica entre 31 a 60 dias | | Total |
	0	1	
0	15164 (97%)	85 (91%)	15249
1	509 (3%)	8 (9%)	517
Total	15673 (100%)	93 (100%)	15766

Table 209: Contingency table between death 1year and Readmissão cirúgica entre 61 a 180 dias

| death_1year | Readmissão cirúgica entre 61 a 180 dias | | Total |
	0	1	
0	15106 (97%)	143 (96%)	15249
1	511 (3%)	6 (4%)	517
Total	15617 (100%)	149 (100%)	15766

Table 210: Contingency table between death 1year and Readmissão cirúrgica em até 1 ano

| death_1year | Readmissão cirúrgica em até 1 ano | | Total |
	0	1	
0	15121 (97%)	128 (97%)	15249
1	513 (3%)	4 (3%)	517
Total	15634 (100%)	132 (100%)	15766

Table 211: Contingency table between death 1year and Desfecho final do estudo

| death_1year | Desfecho final do estudo | | | Total |
	1	2	3	
0	2024 (80%)	7728 (100%)	5497 (100%)	15249
1	517 (20%)	0 (0%)	0 (0%)	517
Total	2541 (100%)	7728 (100%)	5497 (100%)	15766

Table 212: Contingency table between death 1year and Óbito intraoperatório

| death_1year | Óbito intraoperatório | | Total |
	0	1	
0	15245 (97%)	4 (100%)	15249
1	517 (3%)	0 (0%)	517
Total	15762 (100%)	4 (100%)	15766

Table 213: Contingency table between death 1year and Óbito hospitalar (intraoperatório ou admissao T0)

| | Óbito hospitalar (intraoperatório ou admissao T0) | | |
death_1year	0	1	Total
0	15245 (97%)	4 (100%)	15249
1	517 (3%)	0 (0%)	517
Total	15762 (100%)	4 (100%)	15766

Table 214: Contingency table between death 1year and Óbito durante algum episódio de readmissão hospitalar

| | Óbito durante algum episódio de readmissão hospitalar | | |
death_1year	0	1	Total
0	14263 (99%)	986 (76%)	15249
1	199 (1%)	318 (24%)	517
Total	14462 (100%)	1304 (100%)	15766

Table 215: Contingency table between death 1year and Óbito em até 30 dias após a alta T0

| | Óbito em até 30 dias após a alta T0 | | |
death_1year	0	1	Total
0	15249 (97%)	0 (0%)	15249
1	446 (3%)	71 (100%)	517
Total	15695 (100%)	71 (100%)	15766

Table 216: Contingency table between death 1year and Óbito em até 180 dias após a alta T0

| | Óbito em até 180 dias após a alta T0 | | |
death_1year	0	1	Total
0	15249 (99%)	0 (0%)	15249
1	187 (1%)	330 (100%)	517
Total	15436 (100%)	330 (100%)	15766

Table 217: Contingency table between death 1year and Óbito em até 1 ano após a alta T0

| | Óbito em até 1 ano após a alta T0 | | |
death_1year	0	1	Total
0	15249 (100%)	0 (0%)	15249
1	0 (0%)	517 (100%)	517
Total	15249 (100%)	517 (100%)	15766

Table 218: Contingency table between death 1year and Óbito em até 2 anos após a alta T0

	Óbito em até 2 anos após a alta T0		
death_1year	0	1	Total
0	15011 (100%)	238 (32%)	15249
1	0 (0%)	517 (68%)	517
Total	15011 (100%)	755 (100%)	15766

Table 219: Contingency table between death 1year and Óbito em até 3 anos após a alta T0

	Óbito em até 3 anos após a alta T0		
death_1year	0	1	Total
0	14853 (100%)	396 (43%)	15249
1	0 (0%)	517 (57%)	517
Total	14853 (100%)	913 (100%)	15766

Table 220: Contingency table between death 1year and Óbito (status final)

	Óbito (status final)		
death_1year	0	1	Total
0	13225 (100%)	2024 (80%)	15249
1	0 (0%)	517 (20%)	517
Total	13225 (100%)	2541 (100%)	15766

Table 221: Contingency table between death 1year and Causa do óbito

	death_1year		
Causa do óbito	0	1	Total
1	175 (60%)	117 (40%)	292 (100%)
2	7 (88%)	1 (12%)	8 (100%)
3	24 (77%)	7 (23%)	31 (100%)
4	38 (50%)	38 (50%)	76 (100%)
5	95 (58%)	68 (42%)	163 (100%)
777	15 (48%)	16 (52%)	31 (100%)
888	12 (41%)	17 (59%)	29 (100%)
999	1658 (87%)	253 (13%)	1911 (100%)
NA	13225 (100%)	0 (0%)	13225 (100%)
Total	15249	517	15766

Table 222: Contingency table between death 1year and Ventilação mecânica / IOT

	Ventilação mecânica / IOT		
death_1year	1	NA	Total
0	2689 (94%)	12560 (97%)	15249
1	160 (6%)	357 (3%)	517
Total	2849 (100%)	12917 (100%)	15766

Table 223: Contingency table between death 1year and Transplante cardíaco

| death_1year | Transplante cardíaco | | | Total |
	0	1	NA	
0	12547 (96%)	20 (95%)	2682 (98%)	15249
1	464 (4%)	1 (5%)	52 (2%)	517
Total	13011 (100%)	21 (100%)	2734 (100%)	15766