Tables

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Imports

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

Loading data

```r
# df <- readRDS('../dataset/processed_data.rds')
# df_names <- readRDS('../dataset/processed_dictionary.rds')

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

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

outcome_column <- params$outcome_column

df %>%
  select(date_procedure_1, date_procedure_2) %>%
  filter(date_procedure_2 < date_procedure_1)
```

```
## # A tibble: 0 x 2
## # ... with 2 variables: date_procedure_1 <dttm>, date_procedure_2 <dttm>
```

Numerical variables

```r
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_3year	Mean	Min	Median	Max	Standard Deviation	N	Missing
0	65.465	0.0	68.9	110.6	17.782	14859	0
1	66.014	0.2	68.1	97.9	18.522	158	0
NA	66.408	0.0	70.6	101.3	20.432	1016	0

Table 2: Número de comorbidades

death_3year	Mean	Min	Median	Max	Standard Deviation	N	Missing
0	1.218	0	1	8	1.326	14859	0
1	1.475	0	1	8	1.496	158	0
NA	1.900	0	2	7	1.651	1016	0

Table 3: Ano do procedimento 1

death_3year	Mean	Min	Median	Max	Standard Deviation	N	Missing
0	2010.574	1999	2010	2021	5.820	14859	0
1	2009.361	2003	2009	2019	4.451	158	0
NA	2011.106	2000	2011	2021	5.281	1016	0

Table 4: Idade no Procedimento 1

death_3year	Mean	Min	Median	Max	Standard Deviation	N	Missing
0	65.465	0.0	68.9	110.6	17.782	14859	0
1	66.014	0.2	68.1	97.9	18.522	158	0
NA	66.408	0.0	70.6	101.3	20.432	1016	0

Table 5: Ano do procedimento 2

death_3year	Mean	Min	Median	Max	Standard Deviation	N	Missing
0	2013.128	1999	2013	2022	4.661	14859	10080
1	2012.273	2003	2014	2020	5.202	158	136
NA	2010.304	2001	2009	2021	5.587	1016	937

Table 6: Idade no Procedimento 2

death_3year	Mean	Min	Median	Max	Standard Deviation	N	Missing
0	65.243	0.0	69.3	108.7	19.190	14859	10080
1	54.259	2.4	63.9	87.5	26.426	158	136
NA	61.035	1.8	63.7	93.5	20.716	1016	936

Table 7: Ano do procedimento 3

death_3year	Mean	Min	Median	Max	Standard Deviation	N	Missing
0	2014.345	1999	2015.0	2022	4.776	14859	13406
1	2015.250	2012	2015.5	2018	2.754	158	154
NA	2012.304	2003	2013.0	2021	5.530	1016	993

Table 8: Idade no Procedimento 3

death_3year	Mean	Min	Median	Max	Standard Deviation	N	Missing
0	61.955	0.4	65.9	101.1	20.837	14859	13406
1	63.000	46.2	67.4	71.0	11.496	158	154
NA	66.909	25.1	69.1	93.5	16.386	1016	993

Table 9: Ano do procedimento 4

death_3year	Mean	Min	Median	Max	Standard Deviation	N	Missing
0	2014.455	2002	2015	2022	4.817	14859	14376
1	2013.000	2013	2013	2013	NA	158	157
NA	2016.000	2016	2016	2016	NA	1016	1015

Table 10: Idade no Procedimento 4

death_3year	Mean	Min	Median	Max	Standard Deviation	N	Missing
0	59.567	1.9	63.7	97.7	21.946	14859	14376
1	65.300	65.3	65.3	65.3	NA	158	157
NA	80.400	80.4	80.4	80.4	NA	1016	1015

Table 11: Ano do procedimento 5

death_3year	Mean	Min	Median	Max	Standard Deviation	N	Missing
0	2014.229	2003	2014	2022	4.189	14859	14667
1	NaN	NA	NA	NA	NA	158	158
NA	NaN	NA	NA	NA	NA	1016	1016

Table 12: Idade no Procedimento 5

death_3year	Mean	Min	Median	Max	Standard Deviation	N	Missing
0	57.837	3.2	62.75	99.7	22.038	14859	14667
1	NaN	NA	NA	NA	NA	158	158
NA	NaN	NA	NA	NA	NA	1016	1016

Table 13: Ano do procedimento 6

death_3year	Mean	Min	Median	Max	Standard Deviation	N	Missing
0	2014.732	2003	2015	2021	4.519	14859	14777
1	NaN	NA	NA	NA	NA	158	158
NA	NaN	NA	NA	NA	NA	1016	1016

Table 14: Idade no Procedimento 6

death_3year	Mean	Min	Median	Max	Standard Deviation	N	Missing
0	55.777	6.6	58.75	101.6	22.27	14859	14777
1	NaN	NA	NA	NA	NA	158	158
NA	NaN	NA	NA	NA	NA	1016	1016

Table 15: Ano do procedimento 7

death_3year	Mean	Min	Median	Max	Standard Deviation	N	Missing
0	2015.656	2007	2016.5	2022	4.285	14859	14827
1	NaN	NA	NA	NA	NA	158	158
NA	NaN	NA	NA	NA	NA	1016	1016

Table 16: Idade no Procedimento 7

death_3year	Mean	Min	Median	Max	Standard Deviation	N	Missing
0	51.231	8.8	57.1	81.8	20.858	14859	14827
1	NaN	NA	NA	NA	NA	158	158
NA	NaN	NA	NA	NA	NA	1016	1016

Table 17: Ano do procedimento 8

death_3year	Mean	Min	Median	Max	Standard Deviation	N	Missing
0	1	1	1	1	0	14859	14847
1	NaN	NA	NA	NA	NA	158	158
NA	NaN	NA	NA	NA	NA	1016	1016

Table 18: Idade no Procedimento 8

death_3year	Mean	Min	Median	Max	Standard Deviation	N	Missing
0	1	1	1	1	0	14859	14847
1	NaN	NA	NA	NA	NA	158	158
NA	NaN	NA	NA	NA	NA	1016	1016

Table 19: Ano do procedimento 9

death_3year	Mean	Min	Median	Max	Standard Deviation	N	Missing
0	1	1	TRUE	1	0	14859	14854
1	NaN	NA	NA	NA	NA	158	158
NA	NaN	NA	NA	NA	NA	1016	1016

Table 20: Idade no Procedimento 9

death_3year	Mean	Min	Median	Max	Standard Deviation	N	Missing
0	1	1	TRUE	1	0	14859	14854
1	NaN	NA	NA	NA	NA	158	158
NA	NaN	NA	NA	NA	NA	1016	1016

Table 21: Ano do procedimento 10

death_3year	Mean	Min	Median	Max	Standard Deviation	N	Missing
0	1	1	TRUE	1	NA	14859	14858
1	NaN	NA	NA	NA	NA	158	158
NA	NaN	NA	NA	NA	NA	1016	1016

Table 22: Idade no Procedimento 10

death_3year	Mean	Min	Median	Max	Standard Deviation	N	Missing
0	1	1	TRUE	1	NA	14859	14858
1	NaN	NA	NA	NA	NA	158	158
NA	NaN	NA	NA	NA	NA	1016	1016

Table 23: Tempo entre o P1 e P2 (meses)

death_3year	Mean	Min	Median	Max	Standard Deviation	N	Missing
0	74.384	0.0	84.70	197.1	39.587	14859	10080
1	14.405	0.2	6.80	33.6	12.234	158	136
NA	7.442	0.1	1.45	101.4	16.568	1016	936

Table 24: Tempo entre o P2 e P3 (meses)

death_3year	Mean	Min	Median	Max	Standard Deviation	N	Missing
0	56.423	0.0	61.80	170.5	39.544	14859	13406
1	2.575	0.5	2.55	4.7	2.340	158	154
NA	9.583	0.2	1.50	74.5	19.703	1016	993

Table 25: Tempo entre o P3 e P4 (meses)

death_3year	Mean	Min	Median	Max	Standard Deviation	N	Missing
0	39.718	0.0	32.0	142.7	39.861	14859	14377
1	3.700	3.7	3.7	3.7	NA	158	157
NA	7.900	7.9	7.9	7.9	NA	1016	1015

Table 26: Tempo entre o P4 e P5 (meses)

death_3year	Mean	Min	Median	Max	Standard Deviation	N	Missing
0	32.386	0	7.1	144.3	38.427	14859	14667
1	NaN	NA	NA	NA	NA	158	158
NA	NaN	NA	NA	NA	NA	1016	1016

Table 27: Tempo entre o P5 e P6 (meses)

death_3year	Mean	Min	Median	Max	Standard Deviation	N	Missing
0	27.587	0	6	110.3	34.679	14859	14777
1	NaN	NA	NA	NA	NA	158	158
NA	NaN	NA	NA	NA	NA	1016	1016

Table 28: Tempo entre o P6 e P7 (meses)

death_3year	Mean	Min	Median	Max	Standard Deviation	N	Missing
0	31.491	0	3.95	142.3	42.63	14859	14827
1	NaN	NA	NA	NA	NA	158	158
NA	NaN	NA	NA	NA	NA	1016	1016

Table 29: Tempo entre o P7 e P8 (meses)

death_3year	Mean	Min	Median	Max	Standard Deviation	N	Missing
0	0.667	0	1	1	0.492	14859	14847
1	NaN	NA	NA	NA	NA	158	158
NA	NaN	NA	NA	NA	NA	1016	1016

Table 30: Tempo entre o P8 e P9 (meses)

death_3year	Mean	Min	Median	Max	Standard Deviation	N	Missing
0	1	1	TRUE	1	0	14859	14854
1	NaN	NA	NA	NA	NA	158	158
NA	NaN	NA	NA	NA	NA	1016	1016

Table 31: Tempo entre o P9 e P10 (meses)

death_3year	Mean	Min	Median	Max	Standard Deviation	N	Missing
0	1	1	TRUE	1	NA	14859	14858
1	NaN	NA	NA	NA	NA	158	158
NA	NaN	NA	NA	NA	NA	1016	1016

Table 32: Número de Mudanças do tipo de DCEI

death_3year	Mean	Min	Median	Max	Standard Deviation	N	Missing
0	0.084	0	0	3	0.293	14859	10082
1	0.190	0	0	1	0.402	158	137
NA	0.190	0	0	1	0.395	1016	937

Table 33: Número de atendimentos

death_3year	Mean	Min	Median	Max	Standard Deviation	N	Missing
0	2.306	1	2	51	2.174	14859	0
1	4.797	1	4	17	3.125	158	0
NA	3.028	1	2	20	2.456	1016	0

Table 34: Número da Admissão T0 (admissão índice)

death_3year	Mean	Min	Median	Max	Standard Deviation	N	Missing
0	1.394	1	1	32	1.034	14859	0
1	2.209	1	2	13	1.981	158	0
NA	2.044	1	1	17	1.892	1016	0

Table 35: Núm. de episódios de hospitalizações pós-procedimento

death_3year	Mean	Min	Median	Max	Standard Deviation	N	Missing
0	0.827	0	0	50	1.697	14859	0
1	2.576	0	2	12	2.145	158	0
NA	0.978	0	1	9	1.239	1016	0

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

death_3year	Mean	Min	Median	Max	Standard Deviation	N	Missing
0	0.505	-1	0	38	1.172	14859	0
1	1.222	0	1	12	1.980	158	0
NA	1.083	0	0	16	1.884	1016	0

Table 37: Ano da admissão T0

death_3year	Mean	Min	Median	Max	Standard Deviation	N	Missing
0	2010.568	1999	2010	2021	5.821	14859	18
1	2009.342	2003	2009	2019	4.448	158	0
NA	2011.085	1999	2011	2021	5.282	1016	2

Table 38: Readmissão em até 30 dias

death_3year	Mean	Min	Median	Max	Standard Deviation	N	Missing
0	0.030	0	0	1	0.171	14859	0
1	0.057	0	0	1	0.233	158	0
NA	0.149	0	0	1	0.356	1016	0

Table 39: Readmissão entre 31 a 60 dias

death_3year	Mean	Min	Median	Max	Standard Deviation	N	Missing
0	0.046	0	0	1	0.210	14859	0
1	0.070	0	0	1	0.255	158	0
NA	0.212	0	0	1	0.409	1016	0

Table 40: Readmissão entre 61 a 180 dias

death_3year	Mean	Min	Median	Max	Standard Deviation	N	Missing
0	0.076	0	0	1	0.265	14859	0
1	0.165	0	0	1	0.372	158	0
NA	0.338	0	0	1	0.473	1016	0

Table 41: Readmissão em até 1 ano

death_3year	Mean	Min	Median	Max	Standard Deviation	N	Missing
0	0.103	0	0	1	0.304	14859	0
1	0.272	0	0	1	0.446	158	0
NA	0.438	0	0	1	0.496	1016	0

Table 42: Tempo de seguimento total (anos)

death_3year	Mean	Min	Median	Max	Standard Deviation	N	Missing
0	6.173	0	4.8	22.6	5.252	14859	0
1	2.518	2	2.5	3.0	0.286	158	0
NA	0.620	0	0.4	13.3	0.823	1016	0

Table 43: Óbito hospitalar (intraoperatório ou admissao T0)

death_3year	Mean	Min	Median	Max	Standard Deviation	N	Missing
0	0.000	0	0	0	0.000	14859	0
1	0.000	0	0	0	0.000	158	0
NA	0.258	0	0	1	0.438	1016	0

Table 44: Óbito durante algum episódio de readmissão hospitalar

death_3year	Mean	Min	Median	Max	Standard Deviation	N	Missing
0	0.042	0	0	1	0.202	14859	0
1	0.905	0	1	1	0.294	158	0
NA	0.523	0	1	1	0.500	1016	0

Table 45: Óbito em até 30 dias após a alta T0

death_3year	Mean	Min	Median	Max	Standard Deviation	N	Missing
0	0.000	0	0	0	0.000	14859	0
1	0.000	0	0	0	0.000	158	0
NA	0.094	0	0	1	0.292	1016	262

Table 46: Óbito em até 180 dias após a alta T0

death_3year	Mean	Min	Median	Max	Standard Deviation	N	Missing
0	0.000	0	0	0	0.000	14859	0
1	0.000	0	0	0	0.000	158	0
NA	0.379	0	0	1	0.486	1016	333

Table 47: Óbito em até 1 ano após a alta T0

death_3year	Mean	Min	Median	Max	Standard Deviation	N	Missing
0	0.000	0	0	0	0.000	14859	0
1	0.000	0	0	0	0.000	158	0
NA	0.441	0	0	1	0.497	1016	592

Table 48: Óbito em até 2 anos após a alta T0

death_3year	Mean	Min	Median	Max	Standard Deviation	N	Missing
0	0	0	0	0	0	14859	0
1	0	0	0	0	0	158	0
NA	1	1	1	1	0	1016	779

Table 49: Óbito em até 3 anos após a alta T0

death_3year	Mean	Min	Median	Max	Standard Deviation	N	Missing
0	0	0	0	0	0	14859	0
1	1	1	1	1	0	158	0
NA	NaN	NA	NA	NA	NA	1016	1016

Table 50: Óbito (status final)

death_3year	Mean	Min	Median	Max	Standard Deviation	N	Missing
0	0.109	0	0	1	0.312	14859	0
1	1.000	1	1	1	0.000	158	0
NA	0.753	0	1	1	0.432	1016	0

Table 51: Tempo de sobrevida (anos)

death_3year	Mean	Min	Median	Max	Standard Deviation	N	Missing
0	7.301	0	6.6	20.1	3.729	14859	14010
1	2.518	2	2.5	3.0	0.286	158	0
NA	0.620	0	0.4	13.3	0.823	1016	0

Table 52: Diárias no serviço de Emergência na admissão T0

death_3year	Mean	Min	Median	Max	Standard Deviation	N	Missing
0	0.191	0	0	28	1.051	14859	0
1	0.190	0	0	5	0.688	158	0
NA	0.373	0	0	27	1.621	1016	0

Table 53: Anticoagulantes orais

death_3year	Mean	Min	Median	Max	Standard Deviation	N	Missing
0	0.208	0	0	98.0	2.017	14859	0
1	0.785	0	0	80.5	6.479	158	0
NA	0.602	0	0	31.0	2.862	1016	0

Table 54: Antiarritmicos

death_3year	Mean	Min	Median	Max	Standard Deviation	N	Missing
0	2.526	0	0	445	14.235	14859	0
1	6.832	0	0	112	19.148	158	0
NA	15.000	0	0	844	50.117	1016	0

Table 55: Antihipertensivo

death_3year	Mean	Min	Median	Max	Standard Deviation	N	Missing
0	0.333	0	0	160	3.677	14859	0
1	0.057	0	0	6	0.532	158	0
NA	1.389	0	0	349	13.705	1016	0

Table 56: Betabloqueador

death_3year	Mean	Min	Median	Max	Standard Deviation	N	Missing
0	0.847	0	0	388	7.306	14859	0
1	1.174	0	0	33	4.964	158	0
NA	1.325	0	0	81	6.555	1016	0

Table 57: IECA/BRA

death_3year	Mean	Min	Median	Max	Standard Deviation	N	Missing
0	6.549	0	0	530	17.149	14859	0
1	15.082	0	4	393	40.794	158	0
NA	14.802	0	0	773	43.775	1016	0

Table 58: DVA

death_3year	Mean	Min	Median	Max	Standard Deviation	N	Missing
0	3.761	0	0	1044	26.620	14859	0
1	6.601	0	0	151	23.085	158	0
NA	40.318	0	0	1917	129.889	1016	0

Table 59: Digoxina

death_3year	Mean	Min	Median	Max	Standard Deviation	N	Missing
0	0.162	0	0	65.0	1.407	14859	0
1	0.778	0	0	21.5	2.730	158	0
NA	0.528	0	0	46.5	3.008	1016	0

Table 60: Estatinas

death_3year	Mean	Min	Median	Max	Standard Deviation	N	Missing
0	3.696	0	0	421	13.650	14859	0
1	5.139	0	0	74	12.363	158	0
NA	10.896	0	0	364	30.742	1016	0

Table 61: Diuretico

death_3year	Mean	Min	Median	Max	Standard Deviation	N	Missing
0	6.067	0	0	1290	38.341	14859	0
1	8.756	0	1	121	18.417	158	0
NA	57.935	0	3	2966	194.061	1016	0

Table 62: Vasodilator

death_3year	Mean	Min	Median	Max	Standard Deviation	N	Missing
0	6.083	0	0	2408.0	41.455	14859	0
1	10.250	0	0	186.5	31.527	158	0
NA	38.697	0	0	3820.5	161.091	1016	0

Table 63: Insuficiência cardíaca (ivabradina, levosimedan, milrinona, nesiritida, carvedilol)

death_3year	Mean	Min	Median	Max	Standard Deviation	N	Missing
0	3.167	0	0	453.0	14.013	14859	0
1	8.652	0	0	354.5	31.759	158	0
NA	10.658	0	0	249.0	27.635	1016	0

Table 64: Antagonista da Aldosterona (espironolactona)

death_3year	Mean	Min	Median	Max	Standard Deviation	N	Missing
0	1.451	0	0	204	6.657	14859	0
1	3.453	0	0	61	8.334	158	0
NA	5.291	0	0	255	15.132	1016	0

Table 65: Bloqueador do canal de calcio

death_3year	Mean	Min	Median	Max	Standard Deviation	N	Missing
0	0.534	0	0	509	9.233	14859	0
1	2.576	0	0	370	29.452	158	0
NA	0.873	0	0	153	9.357	1016	0

Table 66: Trombolitico

death_3year	Mean	Min	Median	Max	Standard Deviation	N	Missing
0	0.001	0	0	3	0.036	14859	0
1	0.000	0	0	0	0.000	158	0
NA	0.005	0	0	2	0.094	1016	0

Table 67: Antiplaquetario VO

death_3year	Mean	Min	Median	Max	Standard Deviation	N	Missing
0	0.235	0	0	111	2.817	14859	0
1	0.051	0	0	5	0.434	158	0
NA	0.707	0	0	141	6.396	1016	0

Table 68: Antiplaquetario EV

death_3year	Mean	Min	Median	Max	Standard Deviation	N	Missing
0	0.008	0	0	8	0.152	14859	0
1	0.000	0	0	0	0.000	158	0
NA	0.029	0	0	4	0.243	1016	0

Table 69: Insulina

death_3year	Mean	Min	Median	Max	Standard Deviation	N	Missing
0	0.069	0	0	16	0.405	14859	0
1	0.089	0	0	2	0.327	158	0
NA	0.249	0	0	10	0.839	1016	0

Table 70: Hipoglicemiante

death_3year	Mean	Min	Median	Max	Standard Deviation	N	Missing
0	0.284	0	0	90	2.581	14859	0
1	0.449	0	0	32	2.857	158	0
NA	0.225	0	0	39	1.974	1016	0

Table 71: Hormonio tireoidiano

death_3year	Mean	Min	Median	Max	Standard Deviation	N	Missing
0	0.150	0	0	126.0	2.363	14859	0
1	0.722	0	0	76.0	6.329	158	0
NA	0.663	0	0	281.5	9.644	1016	0

Table 72: Broncodiltador

death_3year	Mean	Min	Median	Max	Standard Deviation	N	Missing
0	0.096	0	0	80	1.505	14859	0
1	0.297	0	0	43	3.428	158	0
NA	0.223	0	0	42	1.955	1016	0

Table 73: Anticonvulsivante

death_3year	Mean	Min	Median	Max	Standard Deviation	N	Missing
0	0.677	0	0	482	9.777	14859	0
1	1.671	0	0	92	9.942	158	0
NA	3.287	0	0	390	22.069	1016	0

Table 74: Psicofármacos (Ansiolítico/ antidepressivo/ antipsicótico)

death_3year	Mean	Min	Median	Max	Standard Deviation	N	Missing
0	2.698	0	0	387.0	10.813	14859	0
1	5.108	0	0	100.5	13.604	158	0
NA	10.469	0	1	573.0	31.462	1016	0

Table 75: Antibióticos

death_3year	Mean	Min	Median	Max	Standard Deviation	N	Missing
0	9.973	0	4	1812	52.137	14859	0
1	13.481	0	4	565	53.570	158	0
NA	40.181	0	4	1137	99.773	1016	0

Table 76: Antifúngicos

death_3year	Mean	Min	Median	Max	Standard Deviation	N	Missing
0	0.210	0	0	122	2.829	14859	0
1	0.430	0	0	49	4.172	158	0
NA	2.515	0	0	102	10.767	1016	0

Table 77: Antiviral

death_3year	Mean	Min	Median	Max	Standard Deviation	N	Missing
0	0.099	0	0	131	2.535	14859	0
1	0.000	0	0	0	0.000	158	0
NA	0.292	0	0	86	4.199	1016	0

Table 78: Antiretroviral

death_3year	Mean	Min	Median	Max	Standard Deviation	N	Missing
0	0.007	0	0	32	0.407	14859	0
1	0.000	0	0	0	0.000	158	0
NA	0.001	0	0	1	0.031	1016	0

Table 79: Quantidade de classes medicamentosas utilizadas

death_3year	Mean	Min	Median	Max	Standard Deviation	N	Missing
0	3.231	0	3	17	3.045	14859	0
1	4.582	0	5	12	3.661	158	0
NA	5.394	0	6	16	3.946	1016	0

Table 80: Ventilação não invasiva

death_3year	Mean	Min	Median	Max	Standard Deviation	N	Missing
0	0.015	0	0	42	0.579	14859	0
1	0.000	0	0	0	0.000	158	0
NA	0.396	0	0	114	5.131	1016	0

Table 81: Instalação de CEC

death_3year	Mean	Min	Median	Max	Standard Deviation	N	Missing
0	0.010	0	0	2	0.102	14859	0
1	0.013	0	0	1	0.112	158	0
NA	0.026	0	0	2	0.164	1016	0

Table 82: Cirurgia Cardiovascular

death_3year	Mean	Min	Median	Max	Standard Deviation	N	Missing
0	0.044	0	0	9	0.325	14859	0
1	0.114	0	0	6	0.667	158	0
NA	0.106	0	0	9	0.591	1016	0

Table 83: Transplante cardíaco

death_3year	Mean	Min	Median	Max	Standard Deviation	N	Missing
0	0.002	0	0	1	0.043	14859	0
1	0.000	0	0	0	0.000	158	0
NA	0.002	0	0	1	0.044	1016	0

Table 84: Cirurgia Toracica

death_3year	Mean	Min	Median	Max	Standard Deviation	N	Missing
0	0.002	0	0	4	0.058	14859	0
1	0.000	0	0	0	0.000	158	0
NA	0.021	0	0	9	0.312	1016	0

Table 85: Outros procedimentos cirúrgicos (cir geral, gastrocir, plástica, uro, vascular)

death_3year	Mean	Min	Median	Max	Standard Deviation	N	Missing
0	0.086	0	0	11	0.479	14859	0
1	0.158	0	0	3	0.536	158	0
NA	0.272	0	0	22	1.063	1016	0

Table 86: Traqueostomia

death_3year	Mean	Min	Median	Max	Standard Deviation	N	Missing
0	0.001	0	0	5	0.051	14859	0
1	0.006	0	0	1	0.080	158	0
NA	0.010	0	0	8	0.259	1016	0

Table 87: Intervenção coronária percutânea

death_3year	Mean	Min	Median	Max	Standard Deviation	N	Missing
0	0.008	0	0	4	0.109	14859	0
1	0.013	0	0	2	0.159	158	0
NA	0.033	0	0	4	0.268	1016	0

Table 88: Intervenção cardiovascular em laboratório de hemodinâmica (alcoolização septal, valvoplastia percutânea, stent em vasos pulmonares)

death_3year	Mean	Min	Median	Max	Standard Deviation	N	Missing
0	0.006	0	0	3	0.106	14859	0
1	0.006	0	0	1	0.080	158	0
NA	0.007	0	0	2	0.094	1016	0

Table 89: Stent

death_3year	Mean	Min	Median	Max	Standard Deviation	N	Missing
0	0.000	0	0	0	0.000	14859	0
1	0.000	0	0	0	0.000	158	0
NA	0.001	0	0	1	0.031	1016	0

Table 90: Angioplastia

death_3year	Mean	Min	Median	Max	Standard Deviation	N	Missing
0	0.001	0	0	2	0.034	14859	0
1	0.000	0	0	0	0.000	158	0
NA	0.005	0	0	2	0.083	1016	0

Table 91: Cateterismo

death_3year	Mean	Min	Median	Max	Standard Deviation	N	Missing
0	0.098	0	0	7	0.363	14859	0
1	0.152	0	0	3	0.481	158	0
NA	0.203	0	0	5	0.524	1016	0

Table 92: Eletrofisiologia

death_3year	Mean	Min	Median	Max	Standard Deviation	N	Missing
0	0.066	0	0	11	0.423	14859	0
1	0.171	0	0	6	0.767	158	0
NA	0.100	0	0	7	0.556	1016	0

Table 93: Suporte cardiocirculatório (ECMO, BIA, Bio-PUMP)

death_3year	Mean	Min	Median	Max	Standard Deviation	N	Missing
0	0.080	0	0	535	4.842	14859	0
1	0.000	0	0	0	0.000	158	0
NA	0.624	0	0	177	8.229	1016	0

Table 94: Cateter venoso central

death_3year	Mean	Min	Median	Max	Standard Deviation	N	Missing
0	0.030	0	0	13	0.251	14859	0
1	0.057	0	0	2	0.282	158	0
NA	0.096	0	0	5	0.410	1016	0

Table 95: Drenagem de tórax (instalação /troca) e punção pericárdica ou pleural

death_3year	Mean	Min	Median	Max	Standard Deviation	N	Missing
0	0.004	0	0	5	0.089	14859	0
1	0.000	0	0	0	0.000	158	0
NA	0.023	0	0	5	0.271	1016	0

Table 96: Quantidade de procedimentos invasivos

death_3year	Mean	Min	Median	Max	Standard Deviation	N	Missing
0	0.440	0	0	554	5.197	14859	0
1	0.690	0	0	11	1.798	158	0
NA	1.529	0	0	197	8.986	1016	0

Table 97: Cardioversão/ Desfibrilação (sessão)

death_3year	Mean	Min	Median	Max	Standard Deviation	N	Missing
0	0.005	0	0	5	0.109	14859	0
1	0.019	0	0	1	0.137	158	0
NA	0.010	0	0	3	0.153	1016	0

Table 98: Transfusão de hemoderivados

death_3year	Mean	Min	Median	Max	Standard Deviation	N	Missing
0	0.023	0	0	34	0.469	14859	0
1	0.082	0	0	6	0.677	158	0
NA	0.346	0	0	61	3.053	1016	0

Table 99: Interconsulta médica (Especialidades cirúrgicas, infecto, uro, nefro, psiquiatra, dermato, alergista, oncologista, geriatra, etc)

death_3year	Mean	Min	Median	Max	Standard Deviation	N	Missing
0	0.284	0	0	199	2.622	14859	0
1	0.348	0	0	34	2.778	158	0
NA	1.377	0	0	115	7.769	1016	0

Table 100: Equipe Multiprofissional (enf, fono, fisio, nutri, serviço social, psicologia)

death_3year	Mean	Min	Median	Max	Standard Deviation	N	Missing
0	2.342	0	0	365	11.376	14859	0
1	4.854	0	0	135	14.773	158	0
NA	11.322	0	1	420	34.171	1016	0

Table 101: ECG

death_3year	Mean	Min	Median	Max	Standard Deviation	N	Missing
0	3.109	0	2	97	5.251	14859	0
1	4.835	0	2	44	7.135	158	0
NA	8.275	0	4	141	12.926	1016	0

Table 102: Holter

death_3year	Mean	Min	Median	Max	Standard Deviation	N	Missing
0	0.083	0	0	5	0.318	14859	0
1	0.133	0	0	2	0.359	158	0
NA	0.175	0	0	3	0.454	1016	0

Table 103: Teste de esforço

death_3year	Mean	Min	Median	Max	Standard Deviation	N	Missing
0	0.009	0	0	3	0.100	14859	0
1	0.013	0	0	1	0.112	158	0
NA	0.001	0	0	1	0.031	1016	0

Table 104: Espirometria / Ergoespirometria

death_3year	Mean	Min	Median	Max	Standard Deviation	N	Missing
0	0.004	0	0	2	0.062	14859	0
1	0.006	0	0	1	0.080	158	0
NA	0.004	0	0	1	0.063	1016	0

Table 105: Tilt Test

death_3year	Mean	Min	Median	Max	Standard Deviation	N	Missing
0	0.002	0	0	2	0.044	14859	0
1	0.006	0	0	1	0.080	158	0
NA	0.004	0	0	1	0.063	1016	0

Table 106: Polissonografia

death_3year	Mean	Min	Median	Max	Standard Deviation	N	Missing
0	0.001	0	0	2	0.039	14859	0
1	0.000	0	0	0	0.000	158	0
NA	0.004	0	0	1	0.063	1016	0

Table 107: Quantidade de exames por métodos gráficos

death_3year	Mean	Min	Median	Max	Standard Deviation	N	Missing
0	3.208	0	2.0	97	5.387	14859	0
1	4.994	0	2.5	44	7.227	158	0
NA	8.463	0	5.0	143	13.013	1016	0

Table 108: Exames laboratoriais (exames bioquímicos, exames hematologia/coagulação, anticorpos, dosagem sérica de fármacos)

death_3year	Mean	Min	Median	Max	Standard Deviation	N	Missing
0	45.945	0	7.0	3474	149.522	14859	0
1	86.399	0	9.0	1430	200.833	158	0
NA	228.056	0	48.5	3608	446.055	1016	0

Table 109: Culturas (hemocultura, cultura de secreções, urocultura e cultura de cateteres)

death_3year	Mean	Min	Median	Max	Standard Deviation	N	Missing
0	0.226	0	0	25	1.009	14859	0
1	0.380	0	0	6	1.224	158	0
NA	1.539	0	0	48	4.070	1016	0

Table 110: Quantidade de exames de análises clínicas

death_3year	Mean	Min	Median	Max	Standard Deviation	N	Missing
0	46.172	0	7	3487	150.307	14859	0
1	86.778	0	9	1436	201.850	158	0
NA	229.595	0	49	3645	449.341	1016	0

Table 111: Citologias

death_3year	Mean	Min	Median	Max	Standard Deviation	N	Missing
0	0.004	0	0	5	0.078	14859	0
1	0.006	0	0	1	0.080	158	0
NA	0.070	0	0	8	0.455	1016	0

Table 112: Biopsias (cardíaca, esterno, parede torácica, tumor em mediastino, pulmonar)

death_3year	Mean	Min	Median	Max	Standard Deviation	N	Missing
0	0.015	0	0	10	0.256	14859	0
1	0.006	0	0	1	0.080	158	0
NA	0.013	0	0	4	0.174	1016	0

Table 113: Quantidade de exames histopatológicos

death_3year	Mean	Min	Median	Max	Standard Deviation	N	Missing
0	0.018	0	0	10	0.275	14859	0
1	0.013	0	0	1	0.112	158	0
NA	0.083	0	0	8	0.489	1016	0

Table 114: Angio RM

death_3year	Mean	Min	Median	Max	Standard Deviation	N	Missing
0	0.003	0	0	4	0.078	14859	0
1	0.006	0	0	1	0.080	158	0
NA	0.003	0	0	2	0.070	1016	0

Table 115: Angio TC

death_3year	Mean	Min	Median	Max	Standard Deviation	N	Missing
0	0.027	0	0	6	0.204	14859	0
1	0.076	0	0	3	0.383	158	0
NA	0.077	0	0	9	0.457	1016	0

Table 116: Angiografia

death_3year	Mean	Min	Median	Max	Standard Deviation	N	Missing
0	0.002	0	0	3	0.045	14859	0
1	0.006	0	0	1	0.080	158	0
NA	0.003	0	0	1	0.054	1016	0

Table 117: Aortografia

death_3year	Mean	Min	Median	Max	Standard Deviation	N	Missing
0	0.002	0	0	2	0.043	14859	0
1	0.000	0	0	0	0.000	158	0
NA	0.006	0	0	2	0.089	1016	0

Table 118: Arteriografia

death_3year	Mean	Min	Median	Max	Standard Deviation	N	Missing
0	0.000	0	0	2	0.025	14859	0
1	0.000	0	0	0	0.000	158	0
NA	0.002	0	0	1	0.044	1016	0

Table 119: Cavografia

death_3year	Mean	Min	Median	Max	Standard Deviation	N	Missing
0	0.006	0	0	1	0.077	14859	0
1	0.000	0	0	0	0.000	158	0
NA	0.012	0	0	1	0.108	1016	0

Table 120: Cintilografia

death_3year	Mean	Min	Median	Max	Standard Deviation	N	Missing
0	0.049	0	0	5	0.309	14859	0
1	0.063	0	0	2	0.313	158	0
NA	0.143	0	0	4	0.508	1016	0

Table 121: Ecocardiograma

death_3year	Mean	Min	Median	Max	Standard Deviation	N	Missing
0	0.431	0	0	24	1.124	14859	0
1	0.614	0	0	7	1.127	158	0
NA	1.219	0	1	24	2.203	1016	0

Table 122: Exames endoscópicos (EDA, colonoscopia, retossigmoidoscopia, broncoscopia)

death_3year	Mean	Min	Median	Max	Standard Deviation	N	Missing
0	0.012	0	0	6	0.154	14859	0
1	0.019	0	0	2	0.177	158	0
NA	0.075	0	0	3	0.339	1016	0

Table 123: Flebografia

death_3year	Mean	Min	Median	Max	Standard Deviation	N	Missing
0	0.028	0	0	5	0.255	14859	0
1	0.057	0	0	5	0.455	158	0
NA	0.056	0	0	4	0.352	1016	0

Table 124: PET-CT

death_3year	Mean	Min	Median	Max	Standard Deviation	N	Missing
0	0.004	0	0	3	0.067	14859	0
1	0.013	0	0	1	0.112	158	0
NA	0.015	0	0	2	0.129	1016	0

Table 125: Ultrassom

death_3year	Mean	Min	Median	Max	Standard Deviation	N	Missing
0	0.129	0	0	14	0.682	14859	0
1	0.291	0	0	5	0.926	158	0
NA	0.708	0	0	28	1.996	1016	0

Table 126: Tomografia

death_3year	Mean	Min	Median	Max	Standard Deviation	N	Missing
0	0.124	0	0	15	0.596	14859	0
1	0.184	0	0	5	0.772	158	0
NA	0.488	0	0	15	1.263	1016	0

Table 127: Radiografias

death_3year	Mean	Min	Median	Max	Standard Deviation	N	Missing
0	2.343	0	1	192	6.261	14859	0
1	4.120	0	1	60	8.558	158	0
NA	9.633	0	2	261	20.927	1016	0

Table 128: Ressonancia magnetica

death_3year	Mean	Min	Median	Max	Standard Deviation	N	Missing
0	0.057	0	0	6	0.272	14859	0
1	0.108	0	0	2	0.349	158	0
NA	0.112	0	0	4	0.383	1016	0

Table 129: Quantidade de exames diagnóstico por imagem

death_3year	Mean	Min	Median	Max	Standard Deviation	N	Missing
0	3.217	0	1	232	7.960	14859	0
1	5.557	0	2	67	10.510	158	0
NA	12.551	0	4	281	24.546	1016	0

Table 130: Dieta enteral (frasco)

death_3year	Mean	Min	Median	Max	Standard Deviation	N	Missing
0	0.012	0	0	91	0.809	14859	0
1	0.741	0	0	115	9.149	158	0
NA	0.533	0	0	195	8.192	1016	0

Table 131: Dieta parenteral (frasco)

death_3year	Mean	Min	Median	Max	Standard Deviation	N	Missing
0	0.001	0	0	3	0.037	14859	0
1	0.032	0	0	5	0.398	158	0
NA	0.018	0	0	14	0.457	1016	0

Table 132: Bomba de infusão contínua (horas)

death_3year	Mean	Min	Median	Max	Standard Deviation	N	Missing
0	0.569	0	0	1527	18.591	14859	0
1	2.911	0	0	254	23.091	158	0
NA	5.478	0	0	743	47.113	1016	0

Table 133: Marca-passo temporário (por hora)

death_3year	Mean	Min	Median	Max	Standard Deviation	N	Missing
0	0.119	0	0	180	2.663	14859	0
1	0.506	0	0	42	4.211	158	0
NA	0.347	0	0	126	5.177	1016	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()

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 134: Contingency table between death 3year and Sexo

	Sexo		Total
death_3year	0	1	
X0	7090 (94%)	7769 (92%)	14859
X1	61 (1%)	97 (1%)	158
NA.	415 (5%)	601 (7%)	1016
Total	7566 (100%)	8467 (100%)	16033

Table 135: Contingency table between death 3year and Doença cardíaca

	Doença cardíaca				Total
death_3year	0	1	2	NA	
X0	8666 (93%)	1031 (88%)	3262 (92%)	1900 (93%)	14859
X1	78 (1%)	18 (2%)	39 (1%)	23 (1%)	158
NA.	542 (6%)	124 (11%)	234 (7%)	116 (6%)	1016
Total	9286 (100%)	1173 (100%)	3535 (100%)	2039 (100%)	16033

Table 136: Contingency table between death 3year and Hipertensão arterial

	Hipertensão arterial		Total
death_3year	0	1	
X0	11273 (93%)	3586 (92%)	14859
X1	131 (1%)	27 (1%)	158
NA.	740 (6%)	276 (7%)	1016
Total	12144 (100%)	3889 (100%)	16033

Table 137: Contingency table between death 3year and Infarto do miocárdio prévio / Doença arterial coronariana

	Infarto do miocárdio prévio / Doença arterial coronariana		Total
death_3year	0	1	
X0	13546 (93%)	1313 (89%)	14859
X1	138 (1%)	20 (1%)	158
NA.	868 (6%)	148 (10%)	1016
Total	14552 (100%)	1481 (100%)	16033

Table 138: Contingency table between death 3year and Insuficiência cardíaca

	Insuficiência cardíaca		Total
death_3year	0	1	
X0	9734 (95%)	5125 (88%)	14859
X1	70 (1%)	88 (2%)	158
NA.	403 (4%)	613 (11%)	1016
Total	10207 (100%)	5826 (100%)	16033

Table 139: Contingency table between death 3year and Fibrilação / flutter atrial

| | Fibrilação / flutter atrial | | |
death_3year	0	1	Total
X0	12660 (93%)	2199 (91%)	14859
X1	137 (1%)	21 (1%)	158
NA.	818 (6%)	198 (8%)	1016
Total	13615 (100%)	2418 (100%)	16033

Table 140: Contingency table between death 3year and Parada cardíaca prévia/ Taquicardia ventricular instável

| | Parada cardíaca prévia/ Taquicardia ventricular instável | | |
death_3year	0	1	Total
X0	13094 (93%)	1765 (92%)	14859
X1	140 (1%)	18 (1%)	158
NA.	876 (6%)	140 (7%)	1016
Total	14110 (100%)	1923 (100%)	16033

Table 141: Contingency table between death 3year and Transplante cardíaco prévio

| | Transplante cardíaco prévio | | |
death_3year	0	1	Total
X0	14821 (93%)	38 (88%)	14859
X1	155 (1%)	3 (7%)	158
NA.	1014 (6%)	2 (5%)	1016
Total	15990 (100%)	43 (100%)	16033

Table 142: Contingency table between death 3year and Valvopatias/ Prótese valvares

| | Valvopatias/ Prótese valvares | | |
death_3year	0	1	Total
X0	13925 (93%)	934 (87%)	14859
X1	143 (1%)	15 (1%)	158
NA.	888 (6%)	128 (12%)	1016
Total	14956 (100%)	1077 (100%)	16033

Table 143: Contingency table between death 3year and Endocardite prévia

| | Endocardite prévia | | |
death_3year	0	1	Total
X0	14733 (93%)	126 (91%)	14859
X1	157 (1%)	1 (1%)	158
NA.	1005 (6%)	11 (8%)	1016
Total	15895 (100%)	138 (100%)	16033

Table 144: Contingency table between death 3year and Diabetes melittus

| | Diabetes melittus | | |
death_3year	0	1	Total
X0	13148 (93%)	1711 (88%)	14859
X1	135 (1%)	23 (1%)	158
NA.	803 (6%)	213 (11%)	1016
Total	14086 (100%)	1947 (100%)	16033

Table 145: Contingency table between death 3year and Insuficiência renal crônica

| | Insuficiência renal crônica | | |
death_3year	0	1	Total
X0	14320 (93%)	539 (82%)	14859
X1	150 (1%)	8 (1%)	158
NA.	909 (6%)	107 (16%)	1016
Total	15379 (100%)	654 (100%)	16033

Table 146: Contingency table between death 3year and Hemodiálise

| | Hemodiálise | | |
death_3year	0	1	Total
X0	14846 (93%)	13 (59%)	14859
X1	158 (1%)	0 (0%)	158
NA.	1007 (6%)	9 (41%)	1016
Total	16011 (100%)	22 (100%)	16033

Table 147: 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
X0	14405 (93%)	454 (89%)	14859
X1	153 (1%)	5 (1%)	158
NA.	967 (6%)	49 (10%)	1016
Total	15525 (100%)	508 (100%)	16033

Table 148: Contingency table between death 3year and Doença pulmonar obstrutiva crônica

| | Doença pulmonar obstrutiva crônica | | |
death_3year	0	1	Total
X0	14667 (93%)	192 (88%)	14859
X1	156 (1%)	2 (1%)	158
NA.	991 (6%)	25 (11%)	1016
Total	15814 (100%)	219 (100%)	16033

Table 149: Contingency table between death 3year and Neoplasia em tratamento ou tratada recentemente (12 meses)

| death_3year | Neoplasia em tratamento ou tratada recentemente (12 meses) | | Total |
	0	1	
X0	14756 (93%)	103 (89%)	14859
X1	156 (1%)	2 (2%)	158
NA.	1005 (6%)	11 (9%)	1016
Total	15917 (100%)	116 (100%)	16033

Table 150: Contingency table between death 3year and Tipo de Procedimento 1

| death_3year | Tipo de Procedimento 1 | | Total |
	1	2	
X0	10198 (92%)	4661 (95%)	14859
X1	112 (1%)	46 (1%)	158
NA.	819 (7%)	197 (4%)	1016
Total	11129 (100%)	4904 (100%)	16033

Table 151: Contingency table between death 3year and Tipo de Reoperação 1

| death_3year | Tipo de Reoperação 1 | | | | Total |
	1	2	3	NA	
X0	3761 (96%)	869 (92%)	31 (91%)	10198 (92%)	14859
X1	37 (1%)	9 (1%)	0 (0%)	112 (1%)	158
NA.	131 (3%)	63 (7%)	3 (9%)	819 (7%)	1016
Total	3929 (100%)	941 (100%)	34 (100%)	11129 (100%)	16033

Table 152: Contingency table between death 3year and Tipo de Dispositivo ao final do procedimento 1

| death_3year | Tipo de Dispositivo ao final do procedimento 1 | | | | Total |
	1	2	3	4	
X0	11750 (94%)	1614 (90%)	1108 (85%)	387 (84%)	14859
X1	97 (1%)	31 (2%)	22 (2%)	8 (2%)	158
NA.	633 (5%)	150 (8%)	168 (13%)	65 (14%)	1016
Total	12480 (100%)	1795 (100%)	1298 (100%)	460 (100%)	16033

Table 153: Contingency table between death 3year and Óbito intraoperatório 1

| death_3year | Óbito intraoperatório 1 | | Total |
	0	1	
X0	14859 (93%)	0 (0%)	14859
X1	158 (1%)	0 (0%)	158
NA.	1009 (6%)	7 (100%)	1016
Total	16026 (100%)	7 (100%)	16033

Table 154: Contingency table between death 3year and Tipo de Reoperação 2

death_3year	Tipo de Reoperação 2				Total
	1	2	3	NA	
X0	3251 (100%)	1408 (94%)	112 (93%)	10088 (90%)	14859
X1	3 (0%)	15 (1%)	4 (3%)	136 (1%)	158
NA.	8 (0%)	67 (4%)	5 (4%)	936 (8%)	1016
Total	3262 (100%)	1490 (100%)	121 (100%)	11160 (100%)	16033

Table 155: Contingency table between death 3year and Tipo de Dispositivo ao final do procedimento 2

death_3year	Tipo de Dispositivo ao final do procedimento 2					Total
	1	2	3	4	NA	
X0	3587 (99%)	620 (96%)	377 (97%)	189 (93%)	10086 (90%)	14859
X1	10 (0%)	9 (1%)	1 (0%)	1 (0%)	137 (1%)	158
NA.	41 (1%)	15 (2%)	10 (3%)	13 (6%)	937 (8%)	1016
Total	3638 (100%)	644 (100%)	388 (100%)	203 (100%)	11160 (100%)	16033

Table 156: Contingency table between death 3year and Óbito intraoperatório 2

death_3year	Óbito intraoperatório 2		Total
	0	NA	
X0	4778 (98%)	10081 (90%)	14859
X1	22 (0%)	136 (1%)	158
NA.	80 (2%)	936 (8%)	1016
Total	4880 (100%)	11153 (100%)	16033

Table 157: Contingency table between death 3year and Tipo de Reoperação 3

death_3year	Tipo de Reoperação 3				Total
	1	2	3	NA	
X0	722 (100%)	555 (96%)	59 (95%)	13523 (92%)	14859
X1	0 (0%)	3 (1%)	1 (2%)	154 (1%)	158
NA.	1 (0%)	20 (3%)	2 (3%)	993 (7%)	1016
Total	723 (100%)	578 (100%)	62 (100%)	14670 (100%)	16033

Table 158: Contingency table between death 3year and Tipo de Dispositivo ao final do procedimento 3

death_3year	Tipo de Dispositivo ao final do procedimento 3					Total
	1	2	3	4	NA	
X0	957 (99%)	244 (97%)	156 (98%)	95 (96%)	13407 (92%)	14859
X1	1 (0%)	2 (1%)	0 (0%)	1 (1%)	154 (1%)	158
NA.	10 (1%)	6 (2%)	4 (3%)	3 (3%)	993 (7%)	1016
Total	968 (100%)	252 (100%)	160 (100%)	99 (100%)	14554 (100%)	16033

Table 159: Contingency table between death 3year and Óbito intraoperatório 3

| | Óbito intraoperatório 3 | | | |
death_3year	0	1	NA	Total
X0	1453 (98%)	0 (0%)	13406 (92%)	14859
X1	4 (0%)	0 (0%)	154 (1%)	158
NA.	19 (1%)	4 (100%)	993 (7%)	1016
Total	1476 (100%)	4 (100%)	14553 (100%)	16033

Table 160: Contingency table between death 3year and Tipo de Reoperação 4

| | Tipo de Reoperação 4 | | | | |
death_3year	1	2	3	NA	Total
X0	191 (100%)	250 (99%)	33 (100%)	14385 (92%)	14859
X1	0 (0%)	1 (0%)	0 (0%)	157 (1%)	158
NA.	0 (0%)	1 (0%)	0 (0%)	1015 (7%)	1016
Total	191 (100%)	252 (100%)	33 (100%)	15557 (100%)	16033

Table 161: 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
X0	287 (100%)	110 (100%)	45 (100%)	41 (98%)	14376 (92%)	14859
X1	0 (0%)	0 (0%)	0 (0%)	1 (2%)	157 (1%)	158
NA.	1 (0%)	0 (0%)	0 (0%)	0 (0%)	1015 (7%)	1016
Total	288 (100%)	110 (100%)	45 (100%)	42 (100%)	15548 (100%)	16033

Table 162: Contingency table between death 3year and Óbito intraoperatório 4

| | Óbito intraoperatório 4 | | |
death_3year	0	NA	Total
X0	483 (100%)	14376 (92%)	14859
X1	1 (0%)	157 (1%)	158
NA.	1 (0%)	1015 (7%)	1016
Total	485 (100%)	15548 (100%)	16033

Table 163: Contingency table between death 3year and Tipo de Reoperação 5

| | Tipo de Reoperação 5 | | | | |
death_3year	1	2	3	NA	Total
X0	71 (100%)	106 (100%)	14 (100%)	14668 (93%)	14859
X1	0 (0%)	0 (0%)	0 (0%)	158 (1%)	158
NA.	0 (0%)	0 (0%)	0 (0%)	1016 (6%)	1016
Total	71 (100%)	106 (100%)	14 (100%)	15842 (100%)	16033

Table 164: Contingency table between death 3year and Tipo de Dispositivo ao final do procedimento 5

death_3year	Tipo de Dispositivo ao final do procedimento 5					Total
	1	2	3	4	NA	
X0	100 (100%)	56 (100%)	22 (100%)	13 (100%)	14668 (93%)	14859
X1	0 (0%)	0 (0%)	0 (0%)	0 (0%)	158 (1%)	158
NA.	0 (0%)	0 (0%)	0 (0%)	0 (0%)	1016 (6%)	1016
Total	100 (100%)	56 (100%)	22 (100%)	13 (100%)	15842 (100%)	16033

Table 165: Contingency table between death 3year and Óbito intraoperatório 5

death_3year	Óbito intraoperatório 5		Total
	0	NA	
X0	192 (100%)	14667 (93%)	14859
X1	0 (0%)	158 (1%)	158
NA.	0 (0%)	1016 (6%)	1016
Total	192 (100%)	15841 (100%)	16033

Table 166: Contingency table between death 3year and Tipo de Reoperação 6

death_3year	Tipo de Reoperação 6				Total
	1	2	3	NA	
X0	26 (100%)	47 (100%)	6 (100%)	14780 (93%)	14859
X1	0 (0%)	0 (0%)	0 (0%)	158 (1%)	158
NA.	0 (0%)	0 (0%)	0 (0%)	1016 (6%)	1016
Total	26 (100%)	47 (100%)	6 (100%)	15954 (100%)	16033

Table 167: Contingency table between death 3year and Tipo de Dispositivo ao final do procedimento 6

death_3year	Tipo de Dispositivo ao final do procedimento 6					Total
	1	2	3	4	NA	
X0	40 (100%)	25 (100%)	8 (100%)	9 (100%)	14777 (93%)	14859
X1	0 (0%)	0 (0%)	0 (0%)	0 (0%)	158 (1%)	158
NA.	0 (0%)	0 (0%)	0 (0%)	0 (0%)	1016 (6%)	1016
Total	40 (100%)	25 (100%)	8 (100%)	9 (100%)	15951 (100%)	16033

Table 168: Contingency table between death 3year and Óbito intraoperatório 6

death_3year	Óbito intraoperatório 6		Total
	0	NA	
X0	82 (100%)	14777 (93%)	14859
X1	0 (0%)	158 (1%)	158
NA.	0 (0%)	1016 (6%)	1016
Total	82 (100%)	15951 (100%)	16033

Table 169: Contingency table between death 3year and Tipo de Reoperação 7

| death_3year | Tipo de Reoperação 7 | | | | Total |
	1	2	3	NA	
X0	10 (100%)	18 (100%)	4 (100%)	14827 (93%)	14859
X1	0 (0%)	0 (0%)	0 (0%)	158 (1%)	158
NA.	0 (0%)	0 (0%)	0 (0%)	1016 (6%)	1016
Total	10 (100%)	18 (100%)	4 (100%)	16001 (100%)	16033

Table 170: Contingency table between death 3year and Tipo de Dispositivo ao final do procedimento 7

| death_3year | Tipo de Dispositivo ao final do procedimento 7 | | | | | Total |
	1	2	3	4	NA	
X0	13 (100%)	13 (100%)	1 (100%)	4 (100%)	14828 (93%)	14859
X1	0 (0%)	0 (0%)	0 (0%)	0 (0%)	158 (1%)	158
NA.	0 (0%)	0 (0%)	0 (0%)	0 (0%)	1016 (6%)	1016
Total	13 (100%)	13 (100%)	1 (100%)	4 (100%)	16002 (100%)	16033

Table 171: Contingency table between death 3year and Óbito intraoperatório 7

| death_3year | Óbito intraoperatório 7 | | Total |
	0	NA	
X0	32 (100%)	14827 (93%)	14859
X1	0 (0%)	158 (1%)	158
NA.	0 (0%)	1016 (6%)	1016
Total	32 (100%)	16001 (100%)	16033

Table 172: Contingency table between death 3year and Tipo de Reoperação 8

| death_3year | Tipo de Reoperação 8 | | Total |
	TRUE	NA	
X0	12 (100%)	14847 (93%)	14859
X1	0 (0%)	158 (1%)	158
NA.	0 (0%)	1016 (6%)	1016
Total	12 (100%)	16021 (100%)	16033

Table 173: Contingency table between death 3year and Tipo de Dispositivo ao final do procedimento 8

| death_3year | Tipo de Dispositivo ao final do procedimento 8 | | Total |
	TRUE	NA	
X0	12 (100%)	14847 (93%)	14859
X1	0 (0%)	158 (1%)	158
NA.	0 (0%)	1016 (6%)	1016
Total	12 (100%)	16021 (100%)	16033

Table 174: Contingency table between death 3year and Óbito intraoperatório 8

| | Óbito intraoperatório 8 | | |
death_3year	FALSE	NA	Total
X0	12 (100%)	14847 (93%)	14859
X1	0 (0%)	158 (1%)	158
NA.	0 (0%)	1016 (6%)	1016
Total	12 (100%)	16021 (100%)	16033

Table 175: Contingency table between death 3year and Tipo de Reoperação 9

| | Tipo de Reoperação 9 | | |
death_3year	TRUE	NA	Total
X0	5 (100%)	14854 (93%)	14859
X1	0 (0%)	158 (1%)	158
NA.	0 (0%)	1016 (6%)	1016
Total	5 (100%)	16028 (100%)	16033

Table 176: 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
X0	5 (100%)	14854 (93%)	14859
X1	0 (0%)	158 (1%)	158
NA.	0 (0%)	1016 (6%)	1016
Total	5 (100%)	16028 (100%)	16033

Table 177: Contingency table between death 3year and Óbito intraoperatório 9

| | Óbito intraoperatório 9 | | |
death_3year	FALSE	NA	Total
X0	5 (100%)	14854 (93%)	14859
X1	0 (0%)	158 (1%)	158
NA.	0 (0%)	1016 (6%)	1016
Total	5 (100%)	16028 (100%)	16033

Table 178: Contingency table between death 3year and Tipo de Reoperação 10

| | Tipo de Reoperação 10 | | |
death_3year	TRUE	NA	Total
X0	1 (100%)	14858 (93%)	14859
X1	0 (0%)	158 (1%)	158
NA.	0 (0%)	1016 (6%)	1016
Total	1 (100%)	16032 (100%)	16033

Table 179: 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
X0	1 (100%)	14858 (93%)	14859
X1	0 (0%)	158 (1%)	158
NA.	0 (0%)	1016 (6%)	1016
Total	1 (100%)	16032 (100%)	16033

Table 180: Contingency table between death 3year and Óbito intraoperatório 10

| | Óbito intraoperatório 10 | | |
death_3year	FALSE	NA	Total
X0	1 (100%)	14858 (93%)	14859
X1	0 (0%)	158 (1%)	158
NA.	0 (0%)	1016 (6%)	1016
Total	1 (100%)	16032 (100%)	16033

Table 181: 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
X0	4510 (98%)	263 (94%)	10086 (90%)	14859
X1	17 (0%)	4 (1%)	137 (1%)	158
NA.	66 (1%)	13 (5%)	937 (8%)	1016
Total	4593 (100%)	280 (100%)	11160 (100%)	16033

Table 182: 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
X0	1360 (98%)	92 (98%)	13407 (92%)	14859
X1	4 (0%)	0 (0%)	154 (1%)	158
NA.	21 (2%)	2 (2%)	993 (7%)	1016
Total	1385 (100%)	94 (100%)	14554 (100%)	16033

Table 183: 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
X0	455 (100%)	28 (100%)	14376 (92%)	14859
X1	1 (0%)	0 (0%)	157 (1%)	158
NA.	1 (0%)	0 (0%)	1015 (7%)	1016
Total	457 (100%)	28 (100%)	15548 (100%)	16033

Table 184: Contingency table between death 3year and Mudança do tipo de DCEI: entre o Procedimento 4 e Procedimento 5

| death_3year | Mudança do tipo de DCEI: entre o Procedimento 4 e Procedimento 5 | | | Total |
	0	1	NA	
X0	182 (100%)	9 (100%)	14668 (93%)	14859
X1	0 (0%)	0 (0%)	158 (1%)	158
NA.	0 (0%)	0 (0%)	1016 (6%)	1016
Total	182 (100%)	9 (100%)	15842 (100%)	16033

Table 185: Contingency table between death 3year and Mudança do tipo de DCEI: entre o Procedimento 5 e Procedimento 6

| death_3year | Mudança do tipo de DCEI: entre o Procedimento 5 e Procedimento 6 | | | Total |
	0	1	NA	
X0	75 (100%)	7 (100%)	14777 (93%)	14859
X1	0 (0%)	0 (0%)	158 (1%)	158
NA.	0 (0%)	0 (0%)	1016 (6%)	1016
Total	75 (100%)	7 (100%)	15951 (100%)	16033

Table 186: Contingency table between death 3year and Mudança do tipo de DCEI: entre o Procedimento 6 e Procedimento 7

| death_3year | Mudança do tipo de DCEI: entre o Procedimento 6 e Procedimento 7 | | | Total |
	0	1	NA	
X0	28 (100%)	3 (100%)	14828 (93%)	14859
X1	0 (0%)	0 (0%)	158 (1%)	158
NA.	0 (0%)	0 (0%)	1016 (6%)	1016
Total	28 (100%)	3 (100%)	16002 (100%)	16033

Table 187: Contingency table between death 3year and Mudança do tipo de DCEI: entre o Procedimento 7 e Procedimento 8

| death_3year | Mudança do tipo de DCEI: entre o Procedimento 7 e Procedimento 8 | | | Total |
	FALSE	TRUE	NA	
X0	11 (100%)	1 (100%)	14847 (93%)	14859
X1	0 (0%)	0 (0%)	158 (1%)	158
NA.	0 (0%)	0 (0%)	1016 (6%)	1016
Total	11 (100%)	1 (100%)	16021 (100%)	16033

Table 188: Contingency table between death 3year and Mudança do tipo de DCEI: entre o Procedimento 8 e Procedimento 9

| death_3year | Mudança do tipo de DCEI: entre o Procedimento 8 e Procedimento 9 | | Total |
	FALSE	NA	
X0	5 (100%)	14854 (93%)	14859
X1	0 (0%)	158 (1%)	158
NA.	0 (0%)	1016 (6%)	1016
Total	5 (100%)	16028 (100%)	16033

Table 189: 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
X0	1 (100%)	14858 (93%)	14859
X1	0 (0%)	158 (1%)	158
NA.	0 (0%)	1016 (6%)	1016
Total	1 (100%)	16032 (100%)	16033

Table 190: Contingency table between death 3year and Diálise durante os episódios de hospitalização

	Diálise durante os episódios de hospitalização		
death_3year	0	1	Total
X0	14826 (93%)	33 (52%)	14859
X1	157 (1%)	1 (2%)	158
NA.	987 (6%)	29 (46%)	1016
Total	15970 (100%)	63 (100%)	16033

Table 191: Contingency table between death 3year and UTI durante os episódios de hospitalização

	UTI durante os episódios de hospitalização		
death_3year	0	1	Total
X0	11944 (95%)	2915 (85%)	14859
X1	108 (1%)	50 (1%)	158
NA.	569 (5%)	447 (13%)	1016
Total	12621 (100%)	3412 (100%)	16033

Table 192: 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
X0	13933 (93%)	926 (83%)	14859
X1	129 (1%)	29 (3%)	158
NA.	854 (6%)	162 (15%)	1016
Total	14916 (100%)	1117 (100%)	16033

Table 193: Contingency table between death 3year and Readmissões pós-T0 com diálise

	Readmissões pós-T0 com diálise				
death_3year	0	1	2	3	Total
X0	14842 (93%)	15 (79%)	1 (50%)	1 (100%)	14859
X1	158 (1%)	0 (0%)	0 (0%)	0 (0%)	158
NA.	1011 (6%)	4 (21%)	1 (50%)	0 (0%)	1016
Total	16011 (100%)	19 (100%)	2 (100%)	1 (100%)	16033

Table 194: Contingency table between death 3year and Desfecho principal da admissão T0

| death_3year | Desfecho principal da admissão T0 | | Total |
	0	1	
X0	14859 (94%)	0 (0%)	14859
X1	158 (1%)	0 (0%)	158
NA.	758 (5%)	258 (100%)	1016
Total	15775 (100%)	258 (100%)	16033

Table 195: Contingency table between death 3year and Desfecho final do estudo

| death_3year | Desfecho final do estudo | | | Total |
	1	2	3	
X0	1625 (58%)	7737 (100%)	5497 (100%)	14859
X1	158 (6%)	0 (0%)	0 (0%)	158
NA.	1016 (36%)	0 (0%)	0 (0%)	1016
Total	2799 (100%)	7737 (100%)	5497 (100%)	16033

Table 196: Contingency table between death 3year and Óbito intraoperatório

| death_3year | Óbito intraoperatório | | Total |
	0	1	
X0	14859 (93%)	0 (0%)	14859
X1	158 (1%)	0 (0%)	158
NA.	1005 (6%)	11 (100%)	1016
Total	16022 (100%)	11 (100%)	16033

Table 197: Contingency table between death 3year and Ventilação mecânica / IOT

| death_3year | Ventilação mecânica / IOT | | Total |
	0	1	
X0	12260 (94%)	2599 (86%)	14859
X1	110 (1%)	48 (2%)	158
NA.	658 (5%)	358 (12%)	1016
Total	13028 (100%)	3005 (100%)	16033