Tables

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Imports

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

Loading data

```
# 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

```
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_2year	Mean	Min	Median	Max	Standard Deviation	N	Missing
0	65.471	0	68.9	110.6	17.790	15017	0
1	66.417	0	68.8	94.4	16.591	237	0
NA	66.405	0	72.0	101.3	21.474	779	0

Table 2: Número de comorbidades

death_2year	Mean	Min	Median	Max	Standard Deviation	N	Missing
0	1.221	0	1	8	1.328	15017	0
1	1.464	0	1	6	1.503	237	0
NA	2.032	0	2	7	1.672	779	0

Table 3: Ano do procedimento 1

death_2year	Mean	Min	Median	Max	Standard Deviation	N	Missing
0	2010.561	1999	2010	2021	5.809	15017	0
1	2009.726	2000	2009	2020	4.832	237	0
NA	2011.526	2000	2012	2021	5.343	779	0

Table 4: Idade no Procedimento 1

death_2year	Mean	Min	Median	Max	Standard Deviation	N	Missing
0	65.471	0	68.9	110.6	17.790	15017	0
1	66.417	0	68.8	94.4	16.591	237	0
NA	66.405	0	72.0	101.3	21.474	779	0

Table 5: Ano do procedimento 2

death_2year	Mean	Min	Median	Max	Standard Deviation	N	Missing
0	2013.125	1999	2013.0	2022	4.664	15017	10216
1	2010.550	2001	2011.5	2020	5.276	237	217
NA	2010.220	2002	2008.0	2021	5.730	779	720

Table 6: Idade no Procedimento 2

death_2year	Mean	Min	Median	Max	Standard Deviation	N	Missing
0	65.193	0.0	69.2	108.7	19.240	15017	10216
1	54.990	1.8	63.7	85.5	24.470	237	216
NA	63.186	3.9	63.7	93.5	18.976	779	720

Table 7: Ano do procedimento 3

death_2year	Mean	Min	Median	Max	Standard Deviation	N	Missing
0	2014.347	1999	2015	2022	4.771	15017	13560
1	2014.400	2005	2014	2021	6.229	237	232
NA	2011.722	2003	2013	2020	5.367	779	761

Table 8: Idade no Procedimento 3

death_2year	Mean	Min	Median	Max	Standard Deviation	N	Missing
0	61.958	0.4	65.90	101.1	20.815	15017	13560
1	70.240	66.5	70.60	73.9	2.718	237	232
NA	65.983	25.1	66.15	93.5	18.482	779	761

Table 9: Ano do procedimento 4

death_2year	Mean	Min	Median	Max	Standard Deviation	N	Missing
0	2014.452	2002	2015	2022	4.812	15017	14533
1	NaN	NA	NA	NA	NA	237	237
NA	2016.000	2016	2016	2016	NA	779	778

Table 10: Idade no Procedimento 4

death_2year	Mean	Min	Median	Max	Standard Deviation	N	Missing
0	59.579	1.9	63.7	97.7	21.925	15017	14533
1	NaN	NA	NA	NA	NA	237	237
NA	80.400	80.4	80.4	80.4	NA	779	778

Table 11: Ano do procedimento 5

death_2year	Mean	Min	Median	Max	Standard Deviation	N	Missing
0	2014.229	2003	2014	2022	4.189	15017	14825
1	NaN	NA	NA	NA	NA	237	237
NA	NaN	NA	NA	NA	NA	779	779

Table 12: Idade no Procedimento 5

death_2year	Mean	Min	Median	Max	Standard Deviation	N	Missing
0	57.837	3.2	62.75	99.7	22.038	15017	14825
1	NaN	NA	NA	NA	NA	237	237
NA	NaN	NA	NA	NA	NA	779	779

Table 13: Ano do procedimento 6

death_2year	Mean	Min	Median	Max	Standard Deviation	N	Missing
0	2014.732	2003	2015	2021	4.519	15017	14935
1	NaN	NA	NA	NA	NA	237	237
NA	NaN	NA	NA	NA	NA	779	779

Table 14: Idade no Procedimento 6

death_2year	Mean	Min	Median	Max	Standard Deviation	N	Missing
0	55.777	6.6	58.75	101.6	22.27	15017	14935
1	NaN	NA	NA	NA	NA	237	237
NA	NaN	NA	NA	NA	NA	779	779

Table 15: Ano do procedimento 7

death_2year	Mean	Min	Median	Max	Standard Deviation	N	Missing
0	2015.656	2007	2016.5	2022	4.285	15017	14985
1	NaN	NA	NA	NA	NA	237	237
NA	NaN	NA	NA	NA	NA	779	779

Table 16: Idade no Procedimento 7

death_2year	Mean	Min	Median	Max	Standard Deviation	N	Missing
0	51.231	8.8	57.1	81.8	20.858	15017	14985
1	NaN	NA	NA	NA	NA	237	237
NA	NaN	NA	NA	NA	NA	779	779

Table 17: Ano do procedimento 8

death_2year	Mean	Min	Median	Max	Standard Deviation	N	Missing
0	1	1	1	1	0	15017	15005
1	NaN	NA	NA	NA	NA	237	237
NA	NaN	NA	NA	NA	NA	779	779

Table 18: Idade no Procedimento 8

death_2year	Mean	Min	Median	Max	Standard Deviation	N	Missing
0	1	1	1	1	0	15017	15005
1	NaN	NA	NA	NA	NA	237	237
NA	NaN	NA	NA	NA	NA	779	779

Table 19: Ano do procedimento 9

death_2year	Mean	Min	Median	Max	Standard Deviation	N	Missing
0	1	1	TRUE	1	0	15017	15012
1	NaN	NA	NA	NA	NA	237	237
NA	NaN	NA	NA	NA	NA	779	779

Table 20: Idade no Procedimento 9

death_2year	Mean	Min	Median	Max	Standard Deviation	N	Missing
0	1	1	TRUE	1	0	15017	15012
1	NaN	NA	NA	NA	NA	237	237
NA	NaN	NA	NA	NA	NA	779	779

Table 21: Ano do procedimento 10

death_2year	Mean	Min	Median	Max	Standard Deviation	N	Missing
0	1	1	TRUE	1	NA	15017	15016
1	NaN	NA	NA	NA	NA	237	237
NA	NaN	NA	NA	NA	NA	779	779

Table 22: Idade no Procedimento 10

death_2year	Mean	Min	Median	Max	Standard Deviation	N	Missing
0	1	1	TRUE	1	NA	15017	15016
1	NaN	NA	NA	NA	NA	237	237
NA	NaN	NA	NA	NA	NA	779	779

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

death_2year	Mean	Min	Median	Max	Standard Deviation	N	Missing
0	74.109	0.0	84.4	197.1	39.711	15017	10216
1	11.638	0.3	12.9	23.0	7.130	237	216
NA	5.949	0.1	1.1	101.4	18.647	779	720

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

death_2year	Mean	Min	Median	Max	Standard Deviation	N	Missing
0	56.275	0.0	61.50	170.5	39.590	15017	13560
1	2.400	0.4	1.60	6.9	2.692	237	232
NA	11.578	0.2	1.35	74.5	21.938	779	761

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

death_2year	Mean	Min	Median	Max	Standard Deviation	N	Missing
0	39.644	0.0	32.0	142.7	39.854	15017	14534
1	NaN	NA	NA	NA	NA	237	237
NA	7.900	7.9	7.9	7.9	NA	779	778

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

death_2year	Mean	Min	Median	Max	Standard Deviation	N	Missing
0	32.386	0	7.1	144.3	38.427	15017	14825
1	NaN	NA	NA	NA	NA	237	237
NA	NaN	NA	NA	NA	NA	779	779

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

death_2year	Mean	Min	Median	Max	Standard Deviation	N	Missing
0	27.587	0	6	110.3	34.679	15017	14935
1	NaN	NA	NA	NA	NA	237	237
NA	NaN	NA	NA	NA	NA	779	779

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

death_2year	Mean	Min	Median	Max	Standard Deviation	N	Missing
0	31.491	0	3.95	142.3	42.63	15017	14985
1	NaN	NA	NA	NA	NA	237	237
NA	NaN	NA	NA	NA	NA	779	779

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

death_2year	Mean	Min	Median	Max	Standard Deviation	N	Missing
0	0.667	0	1	1	0.492	15017	15005
1	NaN	NA	NA	NA	NA	237	237
NA	NaN	NA	NA	NA	NA	779	779

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

death_2year	Mean	Min	Median	Max	Standard Deviation	N	Missing
0	1	1	TRUE	1	0	15017	15012
1	NaN	NA	NA	NA	NA	237	237
NA	NaN	NA	NA	NA	NA	779	779

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

death_2year	Mean	Min	Median	Max	Standard Deviation	N	Missing
0	1	1	TRUE	1	NA	15017	15016
1	NaN	NA	NA	NA	NA	237	237
NA	NaN	NA	NA	NA	NA	779	779

Table 32: Número de Mudanças do tipo de DCEI

death_2year	Mean	Min	Median	Max	Standard Deviation	N	Missing
0	0.085	0	0	3	0.294	15017	10219
1	0.429	0	0	1	0.507	237	216
NA	0.103	0	0	1	0.307	779	721

Table 33: Número de atendimentos

death_2year	Mean	Min	Median	Max	Standard Deviation	N	Missing
0	2.333	1	2	51	2.201	15017	0
1	4.122	1	3	16	2.419	237	0
NA	2.694	1	2	20	2.370	779	0

Table 34: Número da Admissão T0 (admissão índice)

death_2year	Mean	Min	Median	Max	Standard Deviation	N	Missing
0	1.403	1	1	32	1.052	15017	0
1	2.118	1	2	10	1.606	237	0
NA	2.022	1	1	17	1.971	779	0

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

death_2year	Mean	Min	Median	Max	Standard Deviation	N	Missing
0	0.845	0	0	50	1.711	15017	0
1	2.004	0	2	9	1.514	237	0
NA	0.666	0	0	8	0.943	779	0

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

death_2year	Mean	Min	Median	Max	Standard Deviation	N	Missing
0	0.512	-1	0	38	1.185	15017	0
1	1.127	0	1	9	1.603	237	0
NA	1.069	0	0	16	1.962	779	0

Table 37: Ano da admissão T0

death_2year	Mean	Min	Median	Max	Standard Deviation	N	Missing
0	2010.555	1999	2010	2021	5.810	15017	18
1	2009.705	1999	2009	2020	4.837	237	0
NA	2011.506	2000	2011	2021	5.343	779	2

Table 38: Readmissão em até 30 dias

death_2year	Mean	Min	Median	Max	Standard Deviation	N	Missing
0	0.030	0	0	1	0.172	15017	0
1	0.080	0	0	1	0.272	237	0
NA	0.169	0	0	1	0.375	779	0

Table 39: Readmissão entre 31 a 60 dias

death_2year	Mean	Min	Median	Max	Standard Deviation	N	Missing
0	0.046	0	0	1	0.210	15017	0
1	0.101	0	0	1	0.302	237	0
NA	0.245	0	0	1	0.430	779	0

Table 40: Readmissão entre 61 a 180 dias

death_2year	Mean	Min	Median	Max	Standard Deviation	N	Missing
0	0.077	0	0	1	0.267	15017	0
1	0.219	0	0	1	0.415	237	0
NA	0.374	0	0	1	0.484	779	0

Table 41: Readmissão em até 1 ano

death_2year	Mean	Min	Median	Max	Standard Deviation	N	Missing
0	0.105	0	0	1	0.307	15017	0
1	0.418	0	0	1	0.494	237	0
NA	0.444	0	0	1	0.497	779	0

Table 42: Tempo de seguimento total (anos)

death_2year	Mean	Min	Median	Max	Standard Deviation	N	Missing
0	6.135	0	4.8	22.6	5.237	15017	0
1	1.512	1	1.5	2.0	0.298	237	0
NA	0.349	0	0.2	13.3	0.735	779	0

Table 43: Óbito hospitalar (intraoperatório ou admissao T0)

death_2year	Mean	Min	Median	Max	Standard Deviation	N	Missing
0	0.000	0	0	0	0.000	15017	0
1	0.000	0	0	0	0.000	237	0
NA	0.336	0	0	1	0.473	779	0

Table 44: Óbito durante algum episódio de readmissão hospitalar

death_2year	Mean	Min	Median	Max	Standard Deviation	N	Missing
0	0.052	0	0	1	0.221	15017	0
1	0.882	0	1	1	0.323	237	0
NA	0.413	0	0	1	0.493	779	0

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

death_2year	Mean	Min	Median	Max	Standard Deviation	N	Missing
0	0.000	0	0	0	0.000	15017	0
1	0.000	0	0	0	0.000	237	0
NA	0.137	0	0	1	0.345	779	262

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

death_2year	Mean	Min	Median	Max	Standard Deviation	N	Missing
0	0.000	0	0	0	0.000	15017	0
1	0.000	0	0	0	0.000	237	0
NA	0.581	0	1	1	0.494	779	333

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

death_2year	Mean	Min	Median	Max	Standard Deviation	N	Missing
0	0	0	0	0	0	15017	0
1	0	0	0	0	0	237	0
NA	1	1	1	1	0	779	592

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

death_2year	Mean	Min	Median	Max	Standard Deviation	N	Missing
0	0	0	0	0	0	15017	0
1	1	1	1	1	0	237	0
NA	NaN	NA	NA	NA	NA	779	779

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

death_2year	Mean	Min	Median	Max	Standard Deviation	N	Missing
0	0.011	0	0	1	0.102	15017	0
1	NaN	NA	NA	NA	NA	237	237
NA	NaN	NA	NA	NA	NA	779	779

Table 50: Óbito (status final)

death_2year	Mean	Min	Median	Max	Standard Deviation	N	Missing
0	0.119	0	0	1	0.323	15017	0
1	1.000	1	1	1	0.000	237	0
NA	0.678	0	1	1	0.468	779	0

Table 51: Tempo de sobrevida (anos)

death_2year	Mean	Min	Median	Max	Standard Deviation	N	Missing
0	6.551	0	5.7	20.1	3.842	15017	14010
1	1.512	1	1.5	2.0	0.298	237	0
NA	0.349	0	0.2	13.3	0.735	779	0

Table 52: Diárias no serviço de Emergência na admissão T0

death_2year	Mean	Min	Median	Max	Standard Deviation	N	Missing
0	0.191	0	0	28	1.048	15017	0
1	0.414	0	0	27	2.178	237	0
NA	0.361	0	0	16	1.409	779	0

Table 53: Anticoagulantes orais

death_2year	Mean	Min	Median	Max	Standard Deviation	N	Missing
0	0.214	0	0	98	2.114	15017	0
1	0.589	0	0	27	2.978	237	0
NA	0.606	0	0	31	2.828	779	0

Table 54: Antiarritmicos

death_2year	Mean	Min	Median	Max	Standard Deviation	N	Missing
0	2.571	0	0	445	14.301	15017	0
1	6.519	0	0	230	22.451	237	0
NA	17.580	0	0	844	55.637	779	0

Table 55: Antihipertensivo

death_2year	Mean	Min	Median	Max	Standard Deviation	N	Missing
0	0.330	0	0	160	3.658	15017	0
1	0.527	0	0	45	4.165	237	0
NA	1.651	0	0	349	15.475	779	0

Table 56: Betabloqueador

death_2year	Mean	Min	Median	Max	Standard Deviation	N	Missing
0	0.850	0	0	388	7.285	15017	0
1	0.962	0	0	41	4.558	237	0
NA	1.435	0	0	81	7.050	779	0

Table 57: IECA/BRA

death_2year	Mean	Min	Median	Max	Standard Deviation	N	Missing
0	6.638	0	0	530	17.583	15017	0
1	13.270	0	0	266	30.862	237	0
NA	15.268	0	0	773	47.013	779	0

Table 58: DVA

death_2year	Mean	Min	Median	Max	Standard Deviation	N	Missing
0	3.791	0	0	1044	26.586	15017	0
1	6.426	0	0	239	23.822	237	0
NA	50.629	0	0	1917	146.226	779	0

Table 59: Digoxina

death_2year	Mean	Min	Median	Max	Standard Deviation	N	Missing
0	0.168	0	0	65.0	1.429	15017	0
1	0.656	0	0	39.0	3.637	237	0
NA	0.489	0	0	46.5	2.791	779	0

Table 60: Estatinas

death_2year	Mean	Min	Median	Max	Standard Deviation	N	Missing
0	3.711	0	0	421	13.638	15017	0
1	9.312	0	0	227	24.920	237	0
NA	11.377	0	0	364	32.304	779	0

Table 61: Diuretico

death_2year	Mean	Min	Median	Max	Standard Deviation	N	Missing
0	6.095	0	0	1290	38.186	15017	0
1	12.829	0	0	558	44.942	237	0
NA	71.657	0	4	2966	218.428	779	0

Table 62: Vasodilator

death_2year	Mean	Min	Median	Max	Standard Deviation	N	Missing
0	6.127	0	0	2408.0	41.364	15017	0
1	17.489	0	0	709.0	66.099	237	0
NA	45.150	0	0	3820.5	179.865	779	0

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

death_2year	Mean	Min	Median	Max	Standard Deviation	N	Missing
0	3.224	0	0	453	14.324	15017	0
1	9.188	0	0	179	22.742	237	0
NA	11.106	0	0	249	28.958	779	0

Table 64: Antagonista da Aldosterona (espironolactona)

death_2year	Mean	Min	Median	Max	Standard Deviation	N	Missing
0	1.472	0	0	204	6.680	15017	0
1	3.886	0	0	75	9.566	237	0
NA	5.718	0	0	255	16.437	779	0

Table 65: Bloqueador do canal de calcio

death_2year	Mean	Min	Median	Max	Standard Deviation	N	Missing
0	0.556	0	0	509	9.668	15017	0
1	0.629	0	0	139	9.050	237	0
NA	0.947	0	0	153	9.453	779	0

Table 66: Trombolitico

death_2year	Mean	Min	Median	Max	Standard Deviation	N	Missing
0	0.001	0	0	3	0.036	15017	0
1	0.000	0	0	0	0.000	237	0
NA	0.006	0	0	2	0.107	779	0

Table 67: Antiplaquetario VO

death_2year	Mean	Min	Median	Max	Standard Deviation	N	Missing
0	0.233	0	0	111	2.803	15017	0
1	0.388	0	0	64	4.482	237	0
NA	0.804	0	0	141	6.873	779	0

Table 68: Antiplaquetario EV

death_2year	Mean	Min	Median	Max	Standard Deviation	N	Missing
0	0.007	0	0	8	0.151	15017	0
1	0.030	0	0	3	0.267	237	0
NA	0.028	0	0	4	0.236	779	0

Table 69: Insulina

death_2year	Mean	Min	Median	Max	Standard Deviation	N	Missing
0	0.069	0	0	16	0.404	15017	0
1	0.127	0	0	5	0.553	237	0
NA	0.286	0	0	10	0.905	779	0

Table 70: Hipoglicemiante

death_2year	Mean	Min	Median	Max	Standard Deviation	N	Missing
0	0.286	0	0	90	2.584	15017	0
1	0.251	0	0	26	2.190	237	0
NA	0.218	0	0	39	1.905	779	0

Table 71: Hormonio tireoidiano

death_2year	Mean	Min	Median	Max	Standard Deviation	N	Missing
0	0.156	0	0	126.0	2.439	15017	0
1	0.329	0	0	59.0	3.933	237	0
NA	0.764	0	0	281.5	10.798	779	0

Table 72: Broncodiltador

death_2year	Mean	Min	Median	Max	Standard Deviation	N	Missing
0	0.098	0	0	80	1.537	15017	0
1	0.063	0	0	5	0.442	237	0
NA	0.272	0	0	42	2.218	779	0

Table 73: Anticonvulsivante

death_2year	Mean	Min	Median	Max	Standard Deviation	N	Missing
0	0.687	0	0	482	9.779	15017	0
1	0.506	0	0	54	4.166	237	0
NA	4.134	0	0	390	25.041	779	0

Table 74: Psicofármacos (Ansiolítico/ antidepressivo/ antipsicótico)

death_2year	Mean	Min	Median	Max	Standard Deviation	N	Missing
0	2.723	0	0	387	10.848	15017	0
1	6.454	0	0	132	17.451	237	0
NA	11.690	0	1	573	34.534	779	0

Table 75: Antibióticos

death_2year	Mean	Min	Median	Max	Standard Deviation	N	Missing
0	10.010	0	4	1812	52.152	15017	0
1	20.989	0	4	1137	93.804	237	0
NA	46.019	0	4	898	100.854	779	0

Table 76: Antifúngicos

death_2year	Mean	Min	Median	Max	Standard Deviation	N	Missing
0	0.212	0	0	122	2.847	15017	0
1	0.219	0	0	19	1.871	237	0
NA	3.213	0	0	102	12.169	779	0

Table 77: Antiviral

death_2year	Mean	Min	Median	Max	Standard Deviation	N	Missing
0	0.098	0	0	131	2.521	15017	0
1	0.017	0	0	4	0.260	237	0
NA	0.376	0	0	86	4.791	779	0

Table 78: Antiretroviral

death_2year	Mean	Min	Median	Max	Standard Deviation	N	Missing
0	0.007	0	0	32	0.405	15017	0
1	0.000	0	0	0	0.000	237	0
NA	0.001	0	0	1	0.036	779	0

Table 79: Quantidade de classes medicamentosas utilizadas

death_2year	Mean	Min	Median	Max	Standard Deviation	N	Missing
0	3.246	0	3	17	3.056	15017	0
1	4.578	0	5	14	3.800	237	0
NA	5.642	0	6	16	3.958	779	0

Table 80: Ventilação não invasiva

death_2year	Mean	Min	Median	Max	Standard Deviation	N	Missing
0	0.015	0	0	42	0.576	15017	0
1	0.000	0	0	0	0.000	237	0
NA	0.516	0	0	114	5.855	779	0

Table 81: Instalação de CEC

death_2year	Mean	Min	Median	Max	Standard Deviation	N	Missing
0	0.010	0	0	2	0.102	15017	0
1	0.017	0	0	1	0.129	237	0
NA	0.028	0	0	2	0.173	779	0

Table 82: Cirurgia Cardiovascular

death_2year	Mean	Min	Median	Max	Standard Deviation	N	Missing
0	0.045	0	0	9	0.331	15017	0
1	0.051	0	0	3	0.315	237	0
NA	0.123	0	0	9	0.651	779	0

Table 83: Transplante cardíaco

death_2year	Mean	Min	Median	Max	Standard Deviation	N	Missing
0	0.002	0	0	1	0.043	15017	0
1	0.000	0	0	0	0.000	237	0
NA	0.003	0	0	1	0.051	779	0

Table 84: Cirurgia Toracica

death_2year	Mean	Min	Median	Max	Standard Deviation	N	Missing
0	0.002	0	0	4	0.058	15017	0
1	0.000	0	0	0	0.000	237	0
NA	0.027	0	0	9	0.356	779	0

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

death_2year	Mean	Min	Median	Max	Standard Deviation	N	Missing
0	0.087	0	0	11	0.480	15017	0
1	0.114	0	0	3	0.478	237	0
NA	0.320	0	0	22	1.181	779	0

Table 86: Traqueostomia

death_2year	Mean	Min	Median	Max	Standard Deviation	N	Missing
0	0.001	0	0	5	0.052	15017	0
1	0.000	0	0	0	0.000	237	0
NA	0.013	0	0	8	0.295	779	0

Table 87: Intervenção coronária percutânea

death_2year	Mean	Min	Median	Max	Standard Deviation	N	Missing
0	0.008	0	0	4	0.110	15017	0
1	0.034	0	0	3	0.258	237	0
NA	0.033	0	0	4	0.271	779	0

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

death_2year	Mean	Min	Median	Max	Standard Deviation	N	Missing
0	0.006	0	0	3	0.106	15017	0
1	0.013	0	0	1	0.112	237	0
NA	0.005	0	0	2	0.088	779	0

Table 89: Stent

death_2year	Mean	Min	Median	Max	Standard Deviation	N	Missing
0	0.000	0	0	0	0.000	15017	0
1	0.000	0	0	0	0.000	237	0
NA	0.001	0	0	1	0.036	779	0

Table 90: Angioplastia

death_2year	Mean	Min	Median	Max	Standard Deviation	N	Missing
0	0.001	0	0	2	0.034	15017	0
1	0.008	0	0	1	0.092	237	0
NA	0.004	0	0	2	0.080	779	0

Table 91: Cateterismo

death_2year	Mean	Min	Median	Max	Standard Deviation	N	Missing
0	0.099	0	0	7	0.365	15017	0
1	0.177	0	0	2	0.444	237	0
NA	0.211	0	0	5	0.545	779	0

Table 92: Eletrofisiologia

death_2year	Mean	Min	Median	Max	Standard Deviation	N	Missing
0	0.067	0	0	11	0.429	15017	0
1	0.114	0	0	3	0.512	237	0
NA	0.096	0	0	7	0.569	779	0

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

death_2year	Mean	Min	Median	Max	Standard Deviation	N	Missing
0	0.080	0	0	535	4.816	15017	0
1	0.536	0	0	127	8.250	237	0
NA	0.651	0	0	177	8.228	779	0

Table 94: Cateter venoso central

death_2year	Mean	Min	Median	Max	Standard Deviation	N	Missing
0	0.031	0	0	13	0.251	15017	0
1	0.034	0	0	2	0.203	237	0
NA	0.116	0	0	5	0.453	779	0

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

death_2year	Mean	Min	Median	Max	Standard Deviation	N	Missing
0	0.004	0	0	5	0.088	15017	0
1	0.000	0	0	0	0.000	237	0
NA	0.030	0	0	5	0.309	779	0

Table 96: Quantidade de procedimentos invasivos

death_2year	Mean	Min	Median	Max	Standard Deviation	N	Missing
0	0.442	0	0	554	5.173	15017	0
1	1.097	0	0	128	8.403	237	0
NA	1.660	0	0	197	9.157	779	0

Table 97: Cardioversão/ Desfibrilação (sessão)

death_2year	Mean	Min	Median	Max	Standard Deviation	N	Missing
0	0.005	0	0	5	0.110	15017	0
1	0.000	0	0	0	0.000	237	0
NA	0.013	0	0	3	0.175	779	0

Table 98: Transfusão de hemoderivados

death_2year	Mean	Min	Median	Max	Standard Deviation	N	Missing
0	0.024	0	0	34	0.472	15017	0
1	0.042	0	0	3	0.316	237	0
NA	0.439	0	0	61	3.477	779	0

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

death_2year	Mean	Min	Median	Max	Standard Deviation	N	Missing
0	0.285	0	0	199	2.624	15017	0
1	0.253	0	0	15	1.439	237	0
NA	1.719	0	0	115	8.810	779	0

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

death_2year	Mean	Min	Median	Max	Standard Deviation	N	Missing
0	2.369	0	0	365	11.420	15017	0
1	3.502	0	0	117	12.700	237	0
NA	13.701	0	2	420	38.081	779	0

Table 101: ECG

death_2year	Mean	Min	Median	Max	Standard Deviation	N	Missing
0	3.128	0	2	97	5.277	15017	0
1	4.713	0	2	55	6.410	237	0
NA	9.358	0	5	141	14.159	779	0

Table 102: Holter

death_2year	Mean	Min	Median	Max	Standard Deviation	N	Missing
0	0.083	0	0	5	0.318	15017	0
1	0.139	0	0	2	0.382	237	0
NA	0.186	0	0	3	0.473	779	0

Table 103: Teste de esforço

death_2year	Mean	Min	Median	Max	Standard Deviation	N	Missing
0	0.009	0	0	3	0.100	15017	0
1	0.004	0	0	1	0.065	237	0
NA	0.000	0	0	0	0.000	779	0

Table 104: Espirometria / Ergoespirometria

death_2year	Mean	Min	Median	Max	Standard Deviation	N	Missing
0	0.004	0	0	2	0.063	15017	0
1	0.004	0	0	1	0.065	237	0
NA	0.004	0	0	1	0.062	779	0

Table 105: Tilt Test

death_2year	Mean	Min	Median	Max	Standard Deviation	N	Missing
0	0.002	0	0	2	0.045	15017	0
1	0.004	0	0	1	0.065	237	0
NA	0.004	0	0	1	0.062	779	0

Table 106: Polissonografia

death_2year	Mean	Min	Median	Max	Standard Deviation	N	Missing
0	0.001	0	0	2	0.039	15017	0
1	0.004	0	0	1	0.065	237	0
NA	0.004	0	0	1	0.062	779	0

Table 107: Quantidade de exames por métodos gráficos

death_2year	Mean	Min	Median	Max	Standard Deviation	N	Missing
0	3.226	0	2	97	5.413	15017	0
1	4.869	0	3	55	6.536	237	0
NA	9.556	0	5	143	14.242	779	0

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

death_2year	Mean	Min	Median	Max	Standard Deviation	N	Missing
0	46.371	0	7	3474	150.201	15017	0
1	86.861	0	15	1357	171.608	237	0
NA	271.013	0	70	3608	492.668	779	0

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

death_2year	Mean	Min	Median	Max	Standard Deviation	N	Missing
0	0.228	0	0	25	1.012	15017	0
1	0.363	0	0	10	1.140	237	0
NA	1.897	0	0	48	4.547	779	0

Table 110: Quantidade de exames de análises clínicas

death_2year	Mean	Min	Median	Max	Standard Deviation	N	Missing
0	46.599	0	7	3487	150.989	15017	0
1	87.224	0	15	1361	172.351	237	0
NA	272.910	0	70	3645	496.336	779	0

Table 111: Citologias

death_2year	Mean	Min	Median	Max	Standard Deviation	N	Missing
0	0.004	0	0	5	0.078	15017	0
1	0.004	0	0	1	0.065	237	0
NA	0.090	0	0	8	0.517	779	0

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

death_2year	Mean	Min	Median	Max	Standard Deviation	N	Missing
0	0.015	0	0	10	0.254	15017	0
1	0.000	0	0	0	0.000	237	0
NA	0.017	0	0	4	0.199	779	0

Table 113: Quantidade de exames histopatológicos

death_2year	Mean	Min	Median	Max	Standard Deviation	N	Missing
0	0.018	0	0	10	0.274	15017	0
1	0.004	0	0	1	0.065	237	0
NA	0.107	0	0	8	0.556	779	0

Table 114: Angio RM

death_2year	Mean	Min	Median	Max	Standard Deviation	N	Missing
0	0.003	0	0	4	0.078	15017	0
1	0.000	0	0	0	0.000	237	0
NA	0.004	0	0	2	0.080	779	0

Table 115: Angio TC

death_2year	Mean	Min	Median	Max	Standard Deviation	N	Missing
0	0.027	0	0	6	0.206	15017	0
1	0.042	0	0	3	0.257	237	0
NA	0.087	0	0	9	0.502	779	0

Table 116: Angiografia

death_2year	Mean	Min	Median	Max	Standard Deviation	N	Missing
0	0.002	0	0	3	0.045	15017	0
1	0.000	0	0	0	0.000	237	0
NA	0.004	0	0	1	0.062	779	0

Table 117: Aortografia

death_2year	Mean	Min	Median	Max	Standard Deviation	N	Missing
0	0.002	0	0	2	0.043	15017	0
1	0.000	0	0	0	0.000	237	0
NA	0.008	0	0	2	0.101	779	0

Table 118: Arteriografia

death_2year	Mean	Min	Median	Max	Standard Deviation	N	Missing
0	0.000	0	0	2	0.024	15017	0
1	0.000	0	0	0	0.000	237	0
NA	0.003	0	0	1	0.051	779	0

Table 119: Cavografia

death_2year	Mean	Min	Median	Max	Standard Deviation	N	Missing
0	0.006	0	0	1	0.076	15017	0
1	0.000	0	0	0	0.000	237	0
NA	0.015	0	0	1	0.123	779	0

Table 120: Cintilografia

death_2year	Mean	Min	Median	Max	Standard Deviation	N	Missing
0	0.049	0	0	5	0.309	15017	0
1	0.152	0	0	4	0.547	237	0
NA	0.140	0	0	4	0.496	779	0

Table 121: Ecocardiograma

death_2year	Mean	Min	Median	Max	Standard Deviation	N	Missing
0	0.433	0	0	24	1.124	15017	0
1	0.620	0	0	6	1.077	237	0
NA	1.402	0	1	24	2.417	779	0

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

death_2year	Mean	Min	Median	Max	Standard Deviation	N	Missing
0	0.012	0	0	6	0.154	15017	0
1	0.030	0	0	2	0.233	237	0
NA	0.089	0	0	3	0.364	779	0

Table 123: Flebografia

death_2year	Mean	Min	Median	Max	Standard Deviation	N	Missing
0	0.028	0	0	5	0.258	15017	0
1	0.055	0	0	3	0.334	237	0
NA	0.056	0	0	4	0.358	779	0

Table 124: PET-CT

death_2year	Mean	Min	Median	Max	Standard Deviation	N	Missing
0	0.004	0	0	3	0.068	15017	0
1	0.004	0	0	1	0.065	237	0
NA	0.018	0	0	2	0.142	779	0

Table 125: Ultrassom

death_2year	Mean	Min	Median	Max	Standard Deviation	N	Missing
0	0.131	0	0	14	0.685	15017	0
1	0.274	0	0	6	0.876	237	0
NA	0.840	0	0	28	2.211	779	0

Table 126: Tomografia

death_2year	Mean	Min	Median	Max	Standard Deviation	N	Missing
0	0.124	0	0	15	0.598	15017	0
1	0.211	0	0	9	0.842	237	0
NA	0.573	0	0	15	1.355	779	0

Table 127: Radiografias

death_2year	Mean	Min	Median	Max	Standard Deviation	N	Missing
0	2.362	0	1	192	6.292	15017	0
1	3.481	0	2	63	6.862	237	0
NA	11.504	0	3	261	23.281	779	0

Table 128: Ressonancia magnetica

death_2year	Mean	Min	Median	Max	Standard Deviation	N	Missing
0	0.057	0	0	6	0.273	15017	0
1	0.143	0	0	4	0.483	237	0
NA	0.103	0	0	3	0.347	779	0

Table 129: Quantidade de exames diagnóstico por imagem

death_2year	Mean	Min	Median	Max	Standard Deviation	N	Missing
0	3.242	0	1	232	7.994	15017	0
1	5.013	0	2	69	8.690	237	0
NA	14.845	0	5	281	27.213	779	0

Table 130: Dieta enteral (frasco)

death_2year	Mean	Min	Median	Max	Standard Deviation	N	Missing
0	0.020	0	0	115	1.236	15017	0
1	0.004	0	0	1	0.065	237	0
NA	0.694	0	0	195	9.351	779	0

Table 131: Dieta parenteral (frasco)

death_2year	Mean	Min	Median	Max	Standard Deviation	N	Missing
0	0.001	0	0	5	0.055	15017	0
1	0.000	0	0	0	0.000	237	0
NA	0.023	0	0	14	0.521	779	0

Table 132: Bomba de infusão contínua (horas)

death_2year	Mean	Min	Median	Max	Standard Deviation	N	Missing
0	0.594	0	0	1527	18.645	15017	0
1	1.224	0	0	217	14.266	237	0
NA	6.773	0	0	743	53.168	779	0

Table 133: Marca-passo temporário (por hora)

death_2year	Mean	Min	Median	Max	Standard Deviation	N	Missing
0	0.123	0	0	180	2.684	15017	0
1	0.114	0	0	26	1.690	237	0
NA	0.418	0	0	126	5.838	779	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 2year and Sexo

| | Sexo | | Total |
death_2year	0	1	
X0	7151 (95%)	7866 (93%)	15017
X1	100 (1%)	137 (2%)	237
NA.	315 (4%)	464 (5%)	779
Total	7566 (100%)	8467 (100%)	16033

Table 135: Contingency table between death 2year and Doença cardíaca

| | Doença cardíaca | | | | Total |
death_2year	0	1	2	NA	
X0	8744 (94%)	1049 (89%)	3301 (93%)	1923 (94%)	15017
X1	131 (1%)	24 (2%)	48 (1%)	34 (2%)	237
NA.	411 (4%)	100 (9%)	186 (5%)	82 (4%)	779
Total	9286 (100%)	1173 (100%)	3535 (100%)	2039 (100%)	16033

Table 136: Contingency table between death 2year and Hipertensão arterial

| | Hipertensão arterial | | Total |
death_2year	0	1	
X0	11404 (94%)	3613 (93%)	15017
X1	194 (2%)	43 (1%)	237
NA.	546 (4%)	233 (6%)	779
Total	12144 (100%)	3889 (100%)	16033

Table 137: Contingency table between death 2year and Infarto do miocárdio prévio / Doença arterial coronariana

| | Infarto do miocárdio prévio / Doença arterial coronariana | | Total |
death_2year	0	1	
X0	13684 (94%)	1333 (90%)	15017
X1	213 (1%)	24 (2%)	237
NA.	655 (5%)	124 (8%)	779
Total	14552 (100%)	1481 (100%)	16033

Table 138: Contingency table between death 2year and Insuficiência cardíaca

| | Insuficiência cardíaca | | Total |
death_2year	0	1	
X0	9804 (96%)	5213 (89%)	15017
X1	105 (1%)	132 (2%)	237
NA.	298 (3%)	481 (8%)	779
Total	10207 (100%)	5826 (100%)	16033

Table 139: Contingency table between death 2year and Fibrilação / flutter atrial

	Fibrilação / flutter atrial		
death_2year	0	1	Total
X0	12797 (94%)	2220 (92%)	15017
X1	195 (1%)	42 (2%)	237
NA.	623 (5%)	156 (6%)	779
Total	13615 (100%)	2418 (100%)	16033

Table 140: Contingency table between death 2year and Parada cardíaca prévia/ Taquicardia ventricular instável

	Parada cardíaca prévia/ Taquicardia ventricular instável		
death_2year	0	1	Total
X0	13234 (94%)	1783 (93%)	15017
X1	207 (1%)	30 (2%)	237
NA.	669 (5%)	110 (6%)	779
Total	14110 (100%)	1923 (100%)	16033

Table 141: Contingency table between death 2year and Transplante cardíaco prévio

	Transplante cardíaco prévio		
death_2year	0	1	Total
X0	14976 (94%)	41 (95%)	15017
X1	237 (1%)	0 (0%)	237
NA.	777 (5%)	2 (5%)	779
Total	15990 (100%)	43 (100%)	16033

Table 142: Contingency table between death 2year and Valvopatias/ Prótese valvares

	Valvopatias/ Prótese valvares		
death_2year	0	1	Total
X0	14068 (94%)	949 (88%)	15017
X1	216 (1%)	21 (2%)	237
NA.	672 (4%)	107 (10%)	779
Total	14956 (100%)	1077 (100%)	16033

Table 143: Contingency table between death 2year and Endocardite prévia

	Endocardite prévia		
death_2year	0	1	Total
X0	14890 (94%)	127 (92%)	15017
X1	234 (1%)	3 (2%)	237
NA.	771 (5%)	8 (6%)	779
Total	15895 (100%)	138 (100%)	16033

Table 144: Contingency table between death 2year and Diabetes melittus

death_2year	Diabetes melittus		Total
	0	1	
X0	13283 (94%)	1734 (89%)	15017
X1	211 (1%)	26 (1%)	237
NA.	592 (4%)	187 (10%)	779
Total	14086 (100%)	1947 (100%)	16033

Table 145: Contingency table between death 2year and Insuficiência renal crônica

death_2year	Insuficiência renal crônica		Total
	0	1	
X0	14470 (94%)	547 (84%)	15017
X1	224 (1%)	13 (2%)	237
NA.	685 (4%)	94 (14%)	779
Total	15379 (100%)	654 (100%)	16033

Table 146: Contingency table between death 2year and Hemodiálise

death_2year	Hemodiálise		Total
	0	1	
X0	15004 (94%)	13 (59%)	15017
X1	237 (1%)	0 (0%)	237
NA.	770 (5%)	9 (41%)	779
Total	16011 (100%)	22 (100%)	16033

Table 147: Contingency table between death 2year and Acidente Vascular Cerebral/ Acidente isquêmico transitório prévios

death_2year	Acidente Vascular Cerebral/ Acidente isquêmico transitório prévios		Total
	0	1	
X0	14558 (94%)	459 (90%)	15017
X1	227 (1%)	10 (2%)	237
NA.	740 (5%)	39 (8%)	779
Total	15525 (100%)	508 (100%)	16033

Table 148: Contingency table between death 2year and Doença pulmonar obstrutiva crônica

death_2year	Doença pulmonar obstrutiva crônica		Total
	0	1	
X0	14823 (94%)	194 (89%)	15017
X1	235 (1%)	2 (1%)	237
NA.	756 (5%)	23 (11%)	779
Total	15814 (100%)	219 (100%)	16033

Table 149: Contingency table between death 2year and Neoplasia em tratamento ou tratada recentemente (12 meses)

| death_2year | Neoplasia em tratamento ou tratada recentemente (12 meses) | | Total |
	0	1	
X0	14912 (94%)	105 (91%)	15017
X1	236 (1%)	1 (1%)	237
NA.	769 (5%)	10 (9%)	779
Total	15917 (100%)	116 (100%)	16033

Table 150: Contingency table between death 2year and Tipo de Procedimento 1

| death_2year | Tipo de Procedimento 1 | | Total |
	1	2	
X0	10310 (93%)	4707 (96%)	15017
X1	186 (2%)	51 (1%)	237
NA.	633 (6%)	146 (3%)	779
Total	11129 (100%)	4904 (100%)	16033

Table 151: Contingency table between death 2year and Tipo de Reoperação 1

| death_2year | Tipo de Reoperação 1 | | | | Total |
	1	2	3	NA	
X0	3798 (97%)	878 (93%)	31 (91%)	10310 (93%)	15017
X1	39 (1%)	12 (1%)	0 (0%)	186 (2%)	237
NA.	92 (2%)	51 (5%)	3 (9%)	633 (6%)	779
Total	3929 (100%)	941 (100%)	34 (100%)	11129 (100%)	16033

Table 152: Contingency table between death 2year and Tipo de Dispositivo ao final do procedimento 1

| death_2year | Tipo de Dispositivo ao final do procedimento 1 | | | | Total |
	1	2	3	4	
X0	11847 (95%)	1645 (92%)	1130 (87%)	395 (86%)	15017
X1	136 (1%)	50 (3%)	35 (3%)	16 (3%)	237
NA.	497 (4%)	100 (6%)	133 (10%)	49 (11%)	779
Total	12480 (100%)	1795 (100%)	1298 (100%)	460 (100%)	16033

Table 153: Contingency table between death 2year and Óbito intraoperatório 1

| death_2year | Óbito intraoperatório 1 | | Total |
	0	1	
X0	15017 (94%)	0 (0%)	15017
X1	237 (1%)	0 (0%)	237
NA.	772 (5%)	7 (100%)	779
Total	16026 (100%)	7 (100%)	16033

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

| death_2year | Tipo de Reoperação 2 | | | | Total |
	1	2	3	NA	
X0	3254 (100%)	1423 (96%)	116 (96%)	10224 (92%)	15017
X1	3 (0%)	16 (1%)	2 (2%)	216 (2%)	237
NA.	5 (0%)	51 (3%)	3 (2%)	720 (6%)	779
Total	3262 (100%)	1490 (100%)	121 (100%)	11160 (100%)	16033

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

| death_2year | Tipo de Dispositivo ao final do procedimento 2 | | | | | Total |
	1	2	3	4	NA	
X0	3597 (99%)	629 (98%)	378 (97%)	190 (94%)	10223 (92%)	15017
X1	8 (0%)	3 (0%)	2 (1%)	8 (4%)	216 (2%)	237
NA.	33 (1%)	12 (2%)	8 (2%)	5 (2%)	721 (6%)	779
Total	3638 (100%)	644 (100%)	388 (100%)	203 (100%)	11160 (100%)	16033

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

| death_2year | Óbito intraoperatório 2 | | Total |
	0	NA	
X0	4800 (98%)	10217 (92%)	15017
X1	21 (0%)	216 (2%)	237
NA.	59 (1%)	720 (6%)	779
Total	4880 (100%)	11153 (100%)	16033

Table 157: Contingency table between death 2year and Tipo de Reoperação 3

| death_2year | Tipo de Reoperação 3 | | | | Total |
	1	2	3	NA	
X0	722 (100%)	558 (97%)	60 (97%)	13677 (93%)	15017
X1	0 (0%)	5 (1%)	0 (0%)	232 (2%)	237
NA.	1 (0%)	15 (3%)	2 (3%)	761 (5%)	779
Total	723 (100%)	578 (100%)	62 (100%)	14670 (100%)	16033

Table 158: Contingency table between death 2year and Tipo de Dispositivo ao final do procedimento 3

| death_2year | Tipo de Dispositivo ao final do procedimento 3 | | | | | Total |
	1	2	3	4	NA	
X0	958 (99%)	246 (98%)	156 (98%)	96 (97%)	13561 (93%)	15017
X1	2 (0%)	1 (0%)	0 (0%)	2 (2%)	232 (2%)	237
NA.	8 (1%)	5 (2%)	4 (3%)	1 (1%)	761 (5%)	779
Total	968 (100%)	252 (100%)	160 (100%)	99 (100%)	14554 (100%)	16033

Table 159: Contingency table between death 2year and Óbito intraoperatório 3

	Óbito intraoperatório 3			Total
death_2year	0	1	NA	
X0	1457 (99%)	0 (0%)	13560 (93%)	15017
X1	5 (0%)	0 (0%)	232 (2%)	237
NA.	14 (1%)	4 (100%)	761 (5%)	779
Total	1476 (100%)	4 (100%)	14553 (100%)	16033

Table 160: Contingency table between death 2year and Tipo de Reoperação 4

	Tipo de Reoperação 4				Total
death_2year	1	2	3	NA	
X0	191 (100%)	251 (100%)	33 (100%)	14542 (93%)	15017
X1	0 (0%)	0 (0%)	0 (0%)	237 (2%)	237
NA.	0 (0%)	1 (0%)	0 (0%)	778 (5%)	779
Total	191 (100%)	252 (100%)	33 (100%)	15557 (100%)	16033

Table 161: Contingency table between death 2year and Tipo de Dispositivo ao final do procedimento 4

	Tipo de Dispositivo ao final do procedimento 4					Total
death_2year	1	2	3	4	NA	
X0	287 (100%)	110 (100%)	45 (100%)	42 (100%)	14533 (93%)	15017
X1	0 (0%)	0 (0%)	0 (0%)	0 (0%)	237 (2%)	237
NA.	1 (0%)	0 (0%)	0 (0%)	0 (0%)	778 (5%)	779
Total	288 (100%)	110 (100%)	45 (100%)	42 (100%)	15548 (100%)	16033

Table 162: Contingency table between death 2year and Óbito intraoperatório 4

	Óbito intraoperatório 4		Total
death_2year	0	NA	
X0	484 (100%)	14533 (93%)	15017
X1	0 (0%)	237 (2%)	237
NA.	1 (0%)	778 (5%)	779
Total	485 (100%)	15548 (100%)	16033

Table 163: Contingency table between death 2year and Tipo de Reoperação 5

	Tipo de Reoperação 5				Total
death_2year	1	2	3	NA	
X0	71 (100%)	106 (100%)	14 (100%)	14826 (94%)	15017
X1	0 (0%)	0 (0%)	0 (0%)	237 (1%)	237
NA.	0 (0%)	0 (0%)	0 (0%)	779 (5%)	779
Total	71 (100%)	106 (100%)	14 (100%)	15842 (100%)	16033

Table 164: Contingency table between death 2year and Tipo de Dispositivo ao final do procedimento 5

| death_2year | Tipo de Dispositivo ao final do procedimento 5 | | | | | Total |
	1	2	3	4	NA	
X0	100 (100%)	56 (100%)	22 (100%)	13 (100%)	14826 (94%)	15017
X1	0 (0%)	0 (0%)	0 (0%)	0 (0%)	237 (1%)	237
NA.	0 (0%)	0 (0%)	0 (0%)	0 (0%)	779 (5%)	779
Total	100 (100%)	56 (100%)	22 (100%)	13 (100%)	15842 (100%)	16033

Table 165: Contingency table between death 2year and Óbito intraoperatório 5

| death_2year | Óbito intraoperatório 5 | | Total |
	0	NA	
X0	192 (100%)	14825 (94%)	15017
X1	0 (0%)	237 (1%)	237
NA.	0 (0%)	779 (5%)	779
Total	192 (100%)	15841 (100%)	16033

Table 166: Contingency table between death 2year and Tipo de Reoperação 6

| death_2year | Tipo de Reoperação 6 | | | | Total |
	1	2	3	NA	
X0	26 (100%)	47 (100%)	6 (100%)	14938 (94%)	15017
X1	0 (0%)	0 (0%)	0 (0%)	237 (1%)	237
NA.	0 (0%)	0 (0%)	0 (0%)	779 (5%)	779
Total	26 (100%)	47 (100%)	6 (100%)	15954 (100%)	16033

Table 167: Contingency table between death 2year and Tipo de Dispositivo ao final do procedimento 6

| death_2year | Tipo de Dispositivo ao final do procedimento 6 | | | | | Total |
	1	2	3	4	NA	
X0	40 (100%)	25 (100%)	8 (100%)	9 (100%)	14935 (94%)	15017
X1	0 (0%)	0 (0%)	0 (0%)	0 (0%)	237 (1%)	237
NA.	0 (0%)	0 (0%)	0 (0%)	0 (0%)	779 (5%)	779
Total	40 (100%)	25 (100%)	8 (100%)	9 (100%)	15951 (100%)	16033

Table 168: Contingency table between death 2year and Óbito intraoperatório 6

| death_2year | Óbito intraoperatório 6 | | Total |
	0	NA	
X0	82 (100%)	14935 (94%)	15017
X1	0 (0%)	237 (1%)	237
NA.	0 (0%)	779 (5%)	779
Total	82 (100%)	15951 (100%)	16033

Table 169: Contingency table between death 2year and Tipo de Reoperação 7

death_2year	Tipo de Reoperação 7				Total
	1	2	3	NA	
X0	10 (100%)	18 (100%)	4 (100%)	14985 (94%)	15017
X1	0 (0%)	0 (0%)	0 (0%)	237 (1%)	237
NA.	0 (0%)	0 (0%)	0 (0%)	779 (5%)	779
Total	10 (100%)	18 (100%)	4 (100%)	16001 (100%)	16033

Table 170: Contingency table between death 2year and Tipo de Dispositivo ao final do procedimento 7

death_2year	Tipo de Dispositivo ao final do procedimento 7					Total
	1	2	3	4	NA	
X0	13 (100%)	13 (100%)	1 (100%)	4 (100%)	14986 (94%)	15017
X1	0 (0%)	0 (0%)	0 (0%)	0 (0%)	237 (1%)	237
NA.	0 (0%)	0 (0%)	0 (0%)	0 (0%)	779 (5%)	779
Total	13 (100%)	13 (100%)	1 (100%)	4 (100%)	16002 (100%)	16033

Table 171: Contingency table between death 2year and Óbito intraoperatório 7

death_2year	Óbito intraoperatório 7		Total
	0	NA	
X0	32 (100%)	14985 (94%)	15017
X1	0 (0%)	237 (1%)	237
NA.	0 (0%)	779 (5%)	779
Total	32 (100%)	16001 (100%)	16033

Table 172: Contingency table between death 2year and Tipo de Reoperação 8

death_2year	Tipo de Reoperação 8		Total
	TRUE	NA	
X0	12 (100%)	15005 (94%)	15017
X1	0 (0%)	237 (1%)	237
NA.	0 (0%)	779 (5%)	779
Total	12 (100%)	16021 (100%)	16033

Table 173: Contingency table between death 2year and Tipo de Dispositivo ao final do procedimento 8

death_2year	Tipo de Dispositivo ao final do procedimento 8		Total
	TRUE	NA	
X0	12 (100%)	15005 (94%)	15017
X1	0 (0%)	237 (1%)	237
NA.	0 (0%)	779 (5%)	779
Total	12 (100%)	16021 (100%)	16033

Table 174: Contingency table between death 2year and Óbito intraoperatório 8

| | Óbito intraoperatório 8 | | |
death_2year	FALSE	NA	Total
X0	12 (100%)	15005 (94%)	15017
X1	0 (0%)	237 (1%)	237
NA.	0 (0%)	779 (5%)	779
Total	12 (100%)	16021 (100%)	16033

Table 175: Contingency table between death 2year and Tipo de Reoperação 9

| | Tipo de Reoperação 9 | | |
death_2year	TRUE	NA	Total
X0	5 (100%)	15012 (94%)	15017
X1	0 (0%)	237 (1%)	237
NA.	0 (0%)	779 (5%)	779
Total	5 (100%)	16028 (100%)	16033

Table 176: Contingency table between death 2year and Tipo de Dispositivo ao final do procedimento 9

| | Tipo de Dispositivo ao final do procedimento 9 | | |
death_2year	TRUE	NA	Total
X0	5 (100%)	15012 (94%)	15017
X1	0 (0%)	237 (1%)	237
NA.	0 (0%)	779 (5%)	779
Total	5 (100%)	16028 (100%)	16033

Table 177: Contingency table between death 2year and Óbito intraoperatório 9

| | Óbito intraoperatório 9 | | |
death_2year	FALSE	NA	Total
X0	5 (100%)	15012 (94%)	15017
X1	0 (0%)	237 (1%)	237
NA.	0 (0%)	779 (5%)	779
Total	5 (100%)	16028 (100%)	16033

Table 178: Contingency table between death 2year and Tipo de Reoperação 10

| | Tipo de Reoperação 10 | | |
death_2year	TRUE	NA	Total
X0	1 (100%)	15016 (94%)	15017
X1	0 (0%)	237 (1%)	237
NA.	0 (0%)	779 (5%)	779
Total	1 (100%)	16032 (100%)	16033

Table 179: Contingency table between death 2year and Tipo de Dispositivo ao final do procedimento 10

| death_2year | Tipo de Dispositivo ao final do procedimento 10 | | Total |
	TRUE	NA	
X0	1 (100%)	15016 (94%)	15017
X1	0 (0%)	237 (1%)	237
NA.	0 (0%)	779 (5%)	779
Total	1 (100%)	16032 (100%)	16033

Table 180: Contingency table between death 2year and Óbito intraoperatório 10

| death_2year | Óbito intraoperatório 10 | | Total |
	FALSE	NA	
X0	1 (100%)	15016 (94%)	15017
X1	0 (0%)	237 (1%)	237
NA.	0 (0%)	779 (5%)	779
Total	1 (100%)	16032 (100%)	16033

Table 181: Contingency table between death 2year and Mudança do tipo de DCEI: entre o Procedimento 1 e Procedimento 2

| death_2year | Mudança do tipo de DCEI: entre o Procedimento 1 e Procedimento 2 | | | Total |
	0	1	NA	
X0	4527 (99%)	267 (95%)	10223 (92%)	15017
X1	12 (0%)	9 (3%)	216 (2%)	237
NA.	54 (1%)	4 (1%)	721 (6%)	779
Total	4593 (100%)	280 (100%)	11160 (100%)	16033

Table 182: Contingency table between death 2year and Mudança do tipo de DCEI: entre o Procedimento 2 e Procedimento 3

| death_2year | Mudança do tipo de DCEI: entre o Procedimento 2 e Procedimento 3 | | | Total |
	0	1	NA	
X0	1364 (98%)	92 (98%)	13561 (93%)	15017
X1	5 (0%)	0 (0%)	232 (2%)	237
NA.	16 (1%)	2 (2%)	761 (5%)	779
Total	1385 (100%)	94 (100%)	14554 (100%)	16033

Table 183: Contingency table between death 2year and Mudança do tipo de DCEI: entre o Procedimento 3 e Procedimento 4

| death_2year | Mudança do tipo de DCEI: entre o Procedimento 3 e Procedimento 4 | | | Total |
	0	1	NA	
X0	456 (100%)	28 (100%)	14533 (93%)	15017
X1	0 (0%)	0 (0%)	237 (2%)	237
NA.	1 (0%)	0 (0%)	778 (5%)	779
Total	457 (100%)	28 (100%)	15548 (100%)	16033

Table 184: Contingency table between death 2year and Mudança do tipo de DCEI: entre o Procedimento 4 e Procedimento 5

death_2year	Mudança do tipo de DCEI: entre o Procedimento 4 e Procedimento 5			Total
	0	1	NA	
X0	182 (100%)	9 (100%)	14826 (94%)	15017
X1	0 (0%)	0 (0%)	237 (1%)	237
NA.	0 (0%)	0 (0%)	779 (5%)	779
Total	182 (100%)	9 (100%)	15842 (100%)	16033

Table 185: Contingency table between death 2year and Mudança do tipo de DCEI: entre o Procedimento 5 e Procedimento 6

death_2year	Mudança do tipo de DCEI: entre o Procedimento 5 e Procedimento 6			Total
	0	1	NA	
X0	75 (100%)	7 (100%)	14935 (94%)	15017
X1	0 (0%)	0 (0%)	237 (1%)	237
NA.	0 (0%)	0 (0%)	779 (5%)	779
Total	75 (100%)	7 (100%)	15951 (100%)	16033

Table 186: Contingency table between death 2year and Mudança do tipo de DCEI: entre o Procedimento 6 e Procedimento 7

death_2year	Mudança do tipo de DCEI: entre o Procedimento 6 e Procedimento 7			Total
	0	1	NA	
X0	28 (100%)	3 (100%)	14986 (94%)	15017
X1	0 (0%)	0 (0%)	237 (1%)	237
NA.	0 (0%)	0 (0%)	779 (5%)	779
Total	28 (100%)	3 (100%)	16002 (100%)	16033

Table 187: Contingency table between death 2year and Mudança do tipo de DCEI: entre o Procedimento 7 e Procedimento 8

death_2year	Mudança do tipo de DCEI: entre o Procedimento 7 e Procedimento 8			Total
	FALSE	TRUE	NA	
X0	11 (100%)	1 (100%)	15005 (94%)	15017
X1	0 (0%)	0 (0%)	237 (1%)	237
NA.	0 (0%)	0 (0%)	779 (5%)	779
Total	11 (100%)	1 (100%)	16021 (100%)	16033

Table 188: Contingency table between death 2year and Mudança do tipo de DCEI: entre o Procedimento 8 e Procedimento 9

death_2year	Mudança do tipo de DCEI: entre o Procedimento 8 e Procedimento 9		Total
	FALSE	NA	
X0	5 (100%)	15012 (94%)	15017
X1	0 (0%)	237 (1%)	237
NA.	0 (0%)	779 (5%)	779
Total	5 (100%)	16028 (100%)	16033

Table 189: Contingency table between death 2year 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_2year	FALSE	NA	Total
X0	1 (100%)	15016 (94%)	15017
X1	0 (0%)	237 (1%)	237
NA.	0 (0%)	779 (5%)	779
Total	1 (100%)	16032 (100%)	16033

Table 190: Contingency table between death 2year and Diálise durante os episódios de hospitalização

| | Diálise durante os episódios de hospitalização | | |
death_2year	0	1	Total
X0	14983 (94%)	34 (54%)	15017
X1	235 (1%)	2 (3%)	237
NA.	752 (5%)	27 (43%)	779
Total	15970 (100%)	63 (100%)	16033

Table 191: Contingency table between death 2year and UTI durante os episódios de hospitalização

| | UTI durante os episódios de hospitalização | | |
death_2year	0	1	Total
X0	12052 (95%)	2965 (87%)	15017
X1	153 (1%)	84 (2%)	237
NA.	416 (3%)	363 (11%)	779
Total	12621 (100%)	3412 (100%)	16033

Table 192: Contingency table between death 2year and Admissão em até 180 dias antes da T0

| | Admissão em até 180 dias antes da T0 | | |
death_2year	0	1	Total
X0	14062 (94%)	955 (85%)	15017
X1	195 (1%)	42 (4%)	237
NA.	659 (4%)	120 (11%)	779
Total	14916 (100%)	1117 (100%)	16033

Table 193: Contingency table between death 2year and Readmissões pós-T0 com diálise

| | Readmissões pós-T0 com diálise | | | | |
death_2year	0	1	2	3	Total
X0	15000 (94%)	15 (79%)	1 (50%)	1 (100%)	15017
X1	236 (1%)	0 (0%)	1 (50%)	0 (0%)	237
NA.	775 (5%)	4 (21%)	0 (0%)	0 (0%)	779
Total	16011 (100%)	19 (100%)	2 (100%)	1 (100%)	16033

Table 194: Contingency table between death 2year and Desfecho principal da admissão T0

| death_2year | Desfecho principal da admissão T0 | | Total |
	0	1	
X0	15017 (95%)	0 (0%)	15017
X1	237 (2%)	0 (0%)	237
NA.	521 (3%)	258 (100%)	779
Total	15775 (100%)	258 (100%)	16033

Table 195: Contingency table between death 2year and Desfecho final do estudo

| death_2year | Desfecho final do estudo | | | Total |
	1	2	3	
X0	1783 (64%)	7737 (100%)	5497 (100%)	15017
X1	237 (8%)	0 (0%)	0 (0%)	237
NA.	779 (28%)	0 (0%)	0 (0%)	779
Total	2799 (100%)	7737 (100%)	5497 (100%)	16033

Table 196: Contingency table between death 2year and Óbito intraoperatório

| death_2year | Óbito intraoperatório | | Total |
	0	1	
X0	15017 (94%)	0 (0%)	15017
X1	237 (1%)	0 (0%)	237
NA.	768 (5%)	11 (100%)	779
Total	16022 (100%)	11 (100%)	16033

Table 197: Contingency table between death 2year and Ventilação mecânica / IOT

| death_2year | Ventilação mecânica / IOT | | Total |
	0	1	
X0	12370 (95%)	2647 (88%)	15017
X1	175 (1%)	62 (2%)	237
NA.	483 (4%)	296 (10%)	779
Total	13028 (100%)	3005 (100%)	16033