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) {</pre>
   median(x[which(!is.na(x))])
}
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
}</pre>
```

Table 1: Idade no momento do primeiro procedimento

death_180days	Mean	Min	Median	Max	Standard Deviation	N	Missing
0	65.505	0.0	68.9	110.6	17.787	15441	0
1	70.122	0.7	73.1	98.9	16.318	259	0
NA	63.126	0.0	71.6	101.3	25.484	333	0

Table 2: Número de comorbidades

death_180days	Mean	Min	Median	Max	Standard Deviation	N	Missing
0	1.233	0	1	8	1.336	15441	0
1	2.274	0	2	7	1.804	259	0
NA	1.886	0	2	7	1.611	333	0

Table 3: Ano do procedimento 1

death_180days	Mean	Min	Median	Max	Standard Deviation	N	Missing
0	2010.556	1999	2010	2021	5.782	15441	0
1	2012.398	2003	2014	2021	5.627	259	0
NA	2011.045	2000	2011	2021	5.457	333	0

Table 4: Idade no Procedimento 1

death_180days	Mean	Min	Median	Max	Standard Deviation	N	Missing
0	65.505	0.0	68.9	110.6	17.787	15441	0
1	70.122	0.7	73.1	98.9	16.318	259	0
NA	63.126	0.0	71.6	101.3	25.484	333	0

Table 5: Ano do procedimento 2

death_180days	Mean	Min	Median	Max	Standard Deviation	N	Missing
0	2013.108	1999	2013.0	2022	4.671	15441	10609
1	2008.409	2003	2006.0	2021	5.058	259	237
NA	2011.538	2002	2010.5	2021	6.153	333	307

Table 6: Idade no Procedimento 2

death_180days	Mean	Min	Median	Max	Standard Deviation	N	Missing
0	65.142	0.0	69.20	108.7	19.262	15441	10608
1	67.173	3.9	73.00	93.1	18.973	259	237
NA	60.035	18.9	61.25	93.5	20.905	333	307

Table 7: Ano do procedimento 3

death_180days	Mean	Min	Median	Max	Standard Deviation	N	Missing
0	2014.336	1999	2015.0	2022	4.781	15441	13975
1	2010.167	2005	2008.5	2017	5.345	259	253
NA	2013.625	2004	2013.5	2020	4.955	333	325

Table 8: Idade no Procedimento 3

death_180days	Mean	Min	Median	Max	Standard Deviation	N	Missing
0	61.986	0.4	65.95	101.1	20.771	15441	13975
1	74.400	52.1	76.35	88.2	12.036	259	253
NA	61.663	25.1	63.30	93.5	22.784	333	325

Table 9: Ano do procedimento $4\,$

death_180days	Mean	Min	Median	Max	Standard Deviation	N	Missing
0	2014.452	2002	2015	2022	4.812	15441	14957
1	2016.000	2016	2016	2016	NA	259	258
NA	NaN	NA	NA	NA	NA	333	333

Table 10: Idade no Procedimento 4

death_180days	Mean	Min	Median	Max	Standard Deviation	N	Missing
0	59.579	1.9	63.7	97.7	21.925	15441	14957
1	80.400	80.4	80.4	80.4	NA	259	258
NA	NaN	NA	NA	NA	NA	333	333

Table 11: Ano do procedimento $5\,$

death_180days	Mean	Min	Median	Max	Standard Deviation	N	Missing
0	2014.229	2003	2014	2022	4.189	15441	15249
1	NaN	NA	NA	NA	NA	259	259
NA	NaN	NA	NA	NA	NA	333	333

Table 12: Idade no Procedimento 5

death_180days	Mean	Min	Median	Max	Standard Deviation	N	Missing
0	57.837	_			22.038		15249
1	NaN	NA	NA	NA	NA	259	259
NA	NaN	NA	NA	NA	NA	333	333

Table 13: Ano do procedimento 6

$death_180 days$	Mean	Min	Median	Max	Standard Deviation	N	Missing
0	2014.732	2003	2015	2021	4.519	15441	15359
1	NaN	NA	NA	NA	NA	259	259
NA	NaN	NA	NA	NA	NA	333	333

Table 14: Idade no Procedimento 6

death_180days	Mean	Min	Median	Max	Standard Deviation	N	Missing
0	55.777	6.6	58.75	101.6	22.27	15441	15359
1	NaN	NA	NA	NA	NA	259	259
NA	NaN	NA	NA	NA	NA	333	333

Table 15: Ano do procedimento 7

death_180days	Mean	Min	Median	Max	Standard Deviation	N	Missing
0	2015.656	2007	2016.5	2022	4.285	15441	15409
1	NaN	NA	NA	NA	NA	259	259
NA	NaN	NA	NA	NA	NA	333	333

Table 16: Idade no Procedimento 7

death_180days	Mean	Min	Median	Max	Standard Deviation	N	Missing
0	51.231	8.8	57.1	81.8	20.858	15441	15409
1	NaN	NA	NA	NA	NA	259	259
NA	NaN	NA	NA	NA	NA	333	333

Table 17: Ano do procedimento 8

death_180days	Mean	Min	Median	Max	Standard Deviation	N	Missing
0	1	1	1	1	0	15441	15429
1	NaN	NA	NA	NA	NA	259	259
NA	NaN	NA	NA	NA	NA	333	333

Table 18: Idade no Procedimento 8

death_180days	Mean	Min	Median	Max	Standard Deviation	N	Missing
0	1	1	1	1	0	15441	15429
1	NaN	NA	NA	NA	NA	259	259
NA	NaN	NA	NA	NA	NA	333	333

Table 19: Ano do procedimento 9

death_180days	Mean	Min	Median	Max	Standard Deviation	N	Missing
0	1	1	TRUE	1	0	15441	15436
1	NaN	NA	NA	NA	NA	259	259
NA	NaN	NA	NA	NA	NA	333	333

Table 20: Idade no Procedimento 9

death_180days	Mean	Min	Median	Max	Standard Deviation	N	Missing
0	1	1	TRUE	1	0	15441	15436
1	NaN	NA	NA	NA	NA	259	259
NA	NaN	NA	NA	NA	NA	333	333

Table 21: Ano do procedimento 10

death_180days	Mean	Min	Median	Max	Standard Deviation	N	Missing
0	1	1	TRUE	1	NA	15441	15440
1	NaN	NA	NA	NA	NA	259	259
NA	NaN	NA	NA	NA	NA	333	333

Table 22: Idade no Procedimento 10

death_180days	Mean	Min	Median	Max	Standard Deviation	N	Missing
0	1	1	TRUE	1	NA	15441	15440
1	NaN	NA	NA	NA	NA	259	259
NA	NaN	NA	NA	NA	NA	333	333

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

$death_180 days$	Mean	Min	Median	Max	Standard Deviation	N	Missing
0	73.677	0.0	83.9	197.1	39.935	15441	10608
1	1.464	0.1	1.3	5.2	1.187	259	237
NA	10.623	0.1	0.5	101.4	27.545	333	307

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

death_180days	Mean	Min	Median	Max	Standard Deviation	N	Missing
0	55.946	0.0	61.00	170.5	39.690	15441	13975
1	1.067	0.3	1.05	2.1	0.683	259	253
NA	23.750	0.2	11.35	74.5	29.326	333	325

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

death_180days	Mean	Min	Median	Max	Standard Deviation	N	Missing
0	39.644	0.0	32.0	142.7	39.854	15441	14958
1	7.900	7.9	7.9	7.9	NA	259	258
NA	NaN	NA	NA	NA	NA	333	333

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

death_180days	Mean	Min	Median	Max	Standard Deviation	N	Missing
0	32.386	0	7.1	144.3	38.427	15441	15249
1	NaN	NA	NA	NA	NA	259	259
NA	NaN	NA	NA	NA	NA	333	333

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

death_180days	Mean	Min	Median	Max	Standard Deviation	N	Missing
0	27.587	0	6	110.3	34.679	15441	15359
1	NaN	NA	NA	NA	NA	259	259
NA	NaN	NA	NA	NA	NA	333	333

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

death_180days	Mean	Min	Median	Max	Standard Deviation	N	Missing
0	31.491	0	3.95	142.3	42.63	15441	15409
1	NaN	NA	NA	NA	NA	259	259
NA	NaN	NA	NA	NA	NA	333	333

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

death_180days	Mean	Min	Median	Max	Standard Deviation	N	Missing
0	0.667	0	1	1	0.492	15441	15429
1	NaN	NA	NA	NA	NA	259	259
NA	NaN	NA	NA	NA	NA	333	333

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

death_180days	Mean	Min	Median	Max	Standard Deviation	N	Missing
0	1	1	TRUE	1	0	15441	15436
1	NaN	NA	NA	NA	NA	259	259
NA	NaN	NA	NA	NA	NA	333	333

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

death_180days	Mean	Min	Median	Max	Standard Deviation	N	Missing
0	1	1	TRUE	1	NA	15441	15440
1	NaN	NA	NA	NA	NA	259	259
NA	NaN	NA	NA	NA	NA	333	333

Table 32: Número de Mudanças do tipo de DCEI

death_180days	Mean	Min	Median	Max	Standard Deviation	N	Missing
0	0.086	0	0	3	0.296	15441	10611
1	0.045	0	0	1	0.213	259	237
NA	0.160	0	0	1	0.374	333	308

Table 33: Número de atendimentos

death_180days	Mean	Min	Median	Max	Standard Deviation	N	Missing
0	2.372	1	2	51	2.225	15441	0
1	2.896	1	2	18	2.318	259	0
NA	2.171	1	1	19	2.056	333	0

Table 34: Número da Admissão T0 (admissão índice)

death_180days	Mean	Min	Median	Max	Standard Deviation	N	Missing
0	1.421	1	1	32	1.085	15441	0
1	2.035	1	1	16	1.958	259	0
NA	2.003	1	1	17	1.950	333	0

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

$death_180 days$	Mean	Min	Median	Max	Standard Deviation	N	Missing
0	0.868	0	0	50	1.710	15441	0
1	0.861	0	1	4	0.795	259	0
NA	0.159	0	0	3	0.441	333	0

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

death_180days	Mean	Min	Median	Max	Standard Deviation	N	Missing
0	0.528	-1	0	38	1.210	15441	0
1	1.069	0	0	15	1.952	259	0
NA	1.069	0	0	16	1.937	333	0

Table 37: Ano da admissão T0

death_180days	Mean	Min	Median	Max	Standard Deviation	N	Missing
0	2010.549	1999	2010	2021	5.784	15441	19
1	2012.391	2003	2013	2021	5.604	259	1
NA	2011.018	2000	2011	2021	5.470	333	0

Table 38: Readmissão em até 30 dias

death_180days	Mean	Min	Median	Max	Standard Deviation	N	Missing
0	0.032	0	0	1	0.176	15441	0
1	0.270	0	0	1	0.445	259	0
NA	0.126	0	0	1	0.332	333	0

Table 39: Readmissão entre 31 a 60 dias

death_180days	Mean	Min	Median	Max	Standard Deviation	N	Missing
0	0.049	0	0	1	0.215	15441	0
1	0.452	0	0	1	0.499	259	0
NA	0.126	0	0	1	0.332	333	0

Table 40: Readmissão entre 61 a 180 dias

death_180days	Mean	Min	Median	Max	Standard Deviation	N	Missing
0	0.083	0	0	1	0.276	15441	0
1	0.660	0	1	1	0.475	259	0
NA	0.126	0	0	1	0.332	333	0

Table 41: Readmissão em até 1 ano

death_180days	Mean	Min	Median	Max	Standard Deviation	N	Missing
0	0.117	0	0	1	0.322	15441	0
1	0.660	0	1	1	0.475	259	0
NA	0.126	0	0	1	0.332	333	0

Table 42: Tempo de seguimento total (anos)

$death_180 days$	Mean	Min	Median	Max	Standard Deviation	N	Missing
0	5.999	0.0	4.6	22.6	5.229	15441	0
1	0.276	0.1	0.3	0.7	0.131	259	0
NA	0.179	0.0	0.1	13.3	1.056	333	0

Table 43: Óbito hospitalar (intraoperatório ou admissao T0)

death_180days	Mean	Min	Median	Max	Standard Deviation	N	Missing
0	0.000	0	0	0	0.00	15441	0
1	0.000	0	0	0	0.00	259	0
NA	0.787	0	1	1	0.41	333	0

Table 44: Óbito durante algum episódio de readmissão hospitalar

death_180days	Mean	Min	Median	Max	Standard Deviation	N	Missing
0	0.071	0	0	1	0.257	15441	0
1	0.614	0	1	1	0.488	259	0
NA	0.132	0	0	1	0.339	333	0

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

death_180days	Mean	Min	Median	Max	Standard Deviation	N	Missing
0	0	0	0	0	0	15441	0
1	0	0	0	0	0	259	0
NA	1	1	1	1	0	333	262

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

death_180days	Mean	Min	Median	Max	Standard Deviation	N	Missing
0	0	0	0	0	0	15441	0
1	1	1	1	1	0	259	0
NA	NaN	NA	NA	NA	NA	333	333

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

death_180days	Mean	Min	Median	Max	Standard Deviation	N	Missing
0	0.012	0	0	1	0.109	15441	0
1	NaN	NA	NA	NA	NA	259	259
NA	NaN	NA	NA	NA	NA	333	333

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

death_180days	Mean	Min	Median	Max	Standard Deviation	N	Missing
0	0.016	0	0	1	0.124	15441	187
1	NaN	NA	NA	NA	NA	259	259
NA	NaN	NA	NA	NA	NA	333	333

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

death_180days	Mean	Min	Median	Max	Standard Deviation	N	Missing
0	0.011	0	0	1	0.102	15441	424
1	NaN	NA	NA	NA	NA	259	259
NA	NaN	NA	NA	NA	NA	333	333

Table 50: Óbito (status final)

death_180days	Mean	Min	Median	Max	Standard Deviation	N	Missing
0	0.143	0	0	1	0.350	15441	0
1	1.000	1	1	1	0.000	259	0
NA	0.246	0	0	1	0.431	333	0

Table 51: Tempo de sobrevida (anos)

$death_180 days$	Mean	Min	Median	Max	Standard Deviation	N	Missing
0	4.959	0.0	3.9	20.1	4.058	15441	14010
1	0.276	0.1	0.3	0.7	0.131	259	0
NA	0.179	0.0	0.1	13.3	1.056	333	0

Table 52: Diárias no serviço de Emergência na admissão T $\!0$

$death_180 days$	Mean	Min	Median	Max	Standard Deviation	N	Missing
0	0.194	0	0	28	1.072	15441	0
1	0.409	0	0	13	1.421	259	0
NA	0.438	0	0	16	1.646	333	0

Table 53: Anticoagulantes orais

death_180days	Mean	Min	Median	Max	Standard Deviation	N	Missing
0	0.225	0	0	98.0	2.144	15441	0
1	0.671	0	0	22.5	2.597	259	0
NA	0.529	0	0	31.0	2.901	333	0

Table 54: Antiarritmicos

death_180days	Mean	Min	Median	Max	Standard Deviation	N	Missing
0	2.692	0	0	445	14.641	15441	0
1	14.195	0	0	844	60.225	259	0
NA	25.823	0	0	575	62.979	333	0

Table 55: Antihipertensivo

death_180days	Mean	Min	Median	Max	Standard Deviation	N	Missing
0	0.333	0	0	160	3.650	15441	0
1	2.216	0	0	349	23.762	259	0
NA	1.959	0	0	119	10.919	333	0

Table 56: Betabloqueador

death_180days	Mean	Min	Median	Max	Standard Deviation	N	Missing
0	0.854	0	0	388	7.234	15441	0
1	1.171	0	0	68	6.523	259	0
NA	1.894	0	0	81	8.003	333	0

Table 57: IECA/BRA

death_180days	Mean	Min	Median	Max	Standard Deviation	N	Missing
0	6.797	0	0	530	18.056	15441	0
1	17.156	0	2	261	40.536	259	0
NA	16.011	0	0	773	58.568	333	0

Table 58: DVA

death_180days	Mean	Min	Median	Max	Standard Deviation	N	Missing
0	3.899	0	0	1044	26.556	15441	0
1	11.946	0	0	261	35.389	259	0
NA	103.886	0	17	1917	209.185	333	0

Table 59: Digoxina

death_180days	Mean	Min	Median	Max	Standard Deviation	N	Missing
0	0.183	0	0	65.0	1.519	15441	0
1	0.413	0	0	18.5	1.998	259	0
NA	0.395	0	0	46.5	3.152	333	0

Table 60: Estatinas

death_180days	Mean	Min	Median	Max	Standard Deviation	N	Missing
0	3.819	0	0	421	13.892	15441	0
1	12.502	0	0	288	31.004	259	0
NA	13.799	0	0	364	39.673	333	0

Table 61: Diuretico

death_180days	Mean	Min	Median	Max	Standard Deviation	N	Missing
0	6.297	0	0	1290	38.335	15441	0
1	22.967	0	2	926	73.382	259	0
NA	141.785	0	14	2966	313.193	333	0

Table 62: Vasodilator

death_180days	Mean	Min	Median	Max	Standard Deviation	N	Missing
0	6.512	0	0	2408.0	42.666	15441	0
1	34.031	0	0	741.0	97.216	259	0
NA	65.916	0	0	3820.5	252.517	333	0

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

death_180days	Mean	Min	Median	Max	Standard Deviation	N	Missing
0	3.379	0	0	453	14.550	15441	0
1	12.342	0	0	249	30.837	259	0
NA	11.650	0	0	234	32.582	333	0

Table 64: Antagonista da Aldosterona (espironolactona)

death_180days	Mean	Min	Median	Max	Standard Deviation	N	Missing
0	1.539	0	0	204	6.816	15441	0
1	5.716	0	0	141	14.034	259	0
NA	6.751	0	0	255	20.173	333	0

Table 65: Bloqueador do canal de calcio

$death_180 days$	Mean	Min	Median	Max	Standard Deviation	N	Missing
0	0.561	0	0	509	9.649	15441	0
1	0.313	0	0	53	3.498	259	0
NA	1.441	0	0	153	12.448	333	0

Table 66: Trombolitico

death_180days	Mean	Min	Median	Max	Standard Deviation	N	Missing
0	0.001	0	0	3	0.035	15441	0
1	0.000	0	0	0	0.000	259	0
NA	0.015	0	0	2	0.164	333	0

Table 67: Antiplaquetario VO

death_180days	Mean	Min	Median	Max	Standard Deviation	N	Missing
0	0.238	0	0	111	2.834	15441	0
1	1.023	0	0	141	9.341	259	0
NA	0.835	0	0	66	6.229	333	0

Table 68: Antiplaquetario EV

death_180days	Mean	Min	Median	Max	Standard Deviation	N	Missing
0	0.008	0	0	8	0.152	15441	0
1	0.035	0	0	2	0.239	259	0
NA	0.039	0	0	4	0.293	333	0

Table 69: Insulina

$death_180 days$	Mean	Min	Median	Max	Standard Deviation	N	Missing
0	0.071	0	0	16	0.409	15441	0
1	0.201	0	0	4	0.562	259	0
NA	0.456	0	0	10	1.198	333	0

Table 70: Hipoglicemiante

death_180days	Mean	Min	Median	Max	Standard Deviation	N	Missing
0	0.283	0	0	90	2.564	15441	0
1	0.492	0	0	39	3.132	259	0
NA	0.060	0	0	11	0.705	333	0

Table 71: Hormonio tireoidiano

death_180days	Mean	Min	Median	Max	Standard Deviation	N	Missing
0	0.160	0	0	126.0	2.480	15441	0
1	0.598	0	0	58.0	5.275	259	0
NA	1.182	0	0	281.5	15.659	333	0

Table 72: Broncodiltador

death_180days	Mean	Min	Median	Max	Standard Deviation	N	Missing
0	0.097	0	0	80	1.518	15441	0
1	0.162	0	0	31	1.954	259	0
NA	0.483	0	0	42	2.890	333	0

Table 73: Anticonvulsivante

death_180days	Mean	Min	Median	Max	Standard Deviation	N	Missing
0	0.687	0	0	482	9.696	15441	0
1	2.355	0	0	390	24.810	259	0
NA	7.333	0	0	302	30.624	333	0

Table 74: Psicofármacos (Ansiolítico/ antidepressivo/ antipsicótico)

death_180days	Mean	Min	Median	Max	Standard Deviation	N	Missing
0	2.805	0	0	387	11.017	15441	0
1	6.091	0	0	95	15.113	259	0
NA	19.952	0	3	573	49.027	333	0

Table 75: Antibióticos

death_180days	Mean	Min	Median	Max	Standard Deviation	N	Missing
0	10.330	0	4	1812	53.186	15441	0
1	16.181	0	4	250	34.893	259	0
NA	82.435	0	24	898	135.789	333	0

Table 76: Antifúngicos

death_180days	Mean	Min	Median	Max	Standard Deviation	N	Missing
0	0.213	0	0	122	2.826	15441	0
1	0.305	0	0	28	2.442	259	0
NA	7.144	0	0	102	17.689	333	0

Table 77: Antiviral

death_180days	Mean	Min	Median	Max	Standard Deviation	N	Missing
0	0.097	0	0	131	2.491	15441	0
1	0.019	0	0	5	0.311	259	0
NA	0.787	0	0	86	7.239	333	0

Table 78: Antiretroviral

death_180days	Mean	Min	Median	Max	Standard Deviation	N	Missing
0	0.007	0	0	32	0.399	15441	0
1	0.000	0	0	0	0.000	259	0
NA	0.003	0	0	1	0.055	333	0

Table 79: Quantidade de classes medicamentosas utilizadas

death_180days	Mean	Min	Median	Max	Standard Deviation	N	Missing
0	3.287	0	3	17	3.084	15441	0
1	5.463	0	6	15	3.747	259	0
NA	6.135	0	7	16	4.287	333	0

Table 80: Ventilação não invasiva

death_180days	Mean	Min	Median	Max	Standard Deviation	N	Missing
0	0.015	0	0	42	0.568	15441	0
1	0.023	0	0	6	0.373	259	0
NA	1.183	0	0	114	8.913	333	0

Table 81: Instalação de CEC

death_180days	Mean	Min	Median	Max	Standard Deviation	N	Missing
0	0.010	0	0	2	0.102	15441	0
1	0.008	0	0	1	0.088	259	0
NA	0.054	0	0	2	0.239	333	0

Table 82: Cirurgia Cardiovascular

death_180days	Mean	Min	Median	Max	Standard Deviation	N	Missing
0	0.045	0	0	9	0.331	15441	0
1	0.058	0	0	4	0.404	259	0
NA	0.210	0	0	9	0.884	333	0

Table 83: Transplante cardíaco

death_180days	Mean	Min	Median	Max	Standard Deviation	N	Missing
0	0.002	0	0	1	0.043	15441	0
1	0.004	0	0	1	0.062	259	0
NA	0.003	0	0	1	0.055	333	0

Table 84: Cirurgia Toracica

$death_180 days$	Mean	Min	Median	Max	Standard Deviation	N	Missing
0	0.002	0	0	4	0.060	15441	0
1	0.008	0	0	2	0.124	259	0
NA	0.048	0	0	9	0.518	333	0

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

death_180days	Mean	Min	Median	Max	Standard Deviation	N	Missing
0	0.088	0	0	11	0.485	15441	0
1	0.143	0	0	5	0.549	259	0
NA	0.535	0	0	22	1.605	333	0

Table 86: Traqueostomia

death_180days	Mean	Min	Median	Max	Standard Deviation	N	Missing
0	0.001	0	0	5	0.051	15441	0
1	0.000	0	0	0	0.000	259	0
NA	0.030	0	0	8	0.452	333	0

Table 87: Intervenção coronária percutânea

death_180days	Mean	Min	Median	Max	Standard Deviation	N	Missing
0	0.008	0	0	4	0.114	15441	0
1	0.042	0	0	3	0.282	259	0
NA	0.042	0	0	4	0.327	333	0

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

death_180days	Mean	Min	Median	Max	Standard Deviation	N	Missing
0	0.006	0	0	3	0.105	15441	0
1	0.000	0	0	0	0.000	259	0
NA	0.012	0	0	2	0.134	333	0

Table 89: Stent

death_180days	Mean	Min	Median	Max	Standard Deviation	N	Missing
0	0.000	0	0	0	0.000	15441	0
1	0.000	0	0	0	0.000	259	0
NA	0.003	0	0	1	0.055	333	0

Table 90: Angioplastia

death_180days	Mean	Min	Median	Max	Standard Deviation	N	Missing
0	0.001	0	0	2	0.035	15441	0
1	0.004	0	0	1	0.062	259	0
NA	0.006	0	0	2	0.110	333	0

Table 91: Cateterismo

$death_180 days$	Mean	Min	Median	Max	Standard Deviation	N	Missing
0	0.100	0	0	7	0.366	15441	0
1	0.205	0	0	5	0.591	259	0
NA	0.264	0	0	3	0.593	333	0

Table 92: Eletrofisiologia

death_180days	Mean	Min	Median	Max	Standard Deviation	N	Missing
0	0.067	0	0	11	0.430	15441	0
1	0.108	0	0	7	0.668	259	0
NA	0.108	0	0	6	0.571	333	0

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

death_180days	Mean	Min	Median	Max	Standard Deviation	N	Missing
0	0.086	0	0	535	4.858	15441	0
1	0.780	0	0	177	11.093	259	0
NA	0.916	0	0	100	7.917	333	0

Table 94: Cateter venoso central

death_180days	Mean	Min	Median	Max	Standard Deviation	N	Missing
0	0.031	0	0	13	0.253	15441	0
1	0.058	0	0	4	0.318	259	0
NA	0.189	0	0	5	0.563	333	0

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

death_180days	Mean	Min	Median	Max	Standard Deviation	N	Missing
0	0.004	0	0	5	0.088	15441	0
1	0.019	0	0	4	0.256	259	0
NA	0.048	0	0	5	0.400	333	0

Table 96: Quantidade de procedimentos invasivos

death_180days	Mean	Min	Median	Max	Standard Deviation	N	Missing
0	0.453	0	0	554	5.210	15441	0
1	1.436	0	0	197	12.380	259	0
NA	2.468	0	0	101	8.638	333	0

Table 97: Cardioversão/ Desfibrilação (sessão)

death_180days	Mean	Min	Median	Max	Standard Deviation	N	Missing
0	0.005	0	0	5	0.108	15441	0
1	0.004	0	0	1	0.062	259	0
NA	0.024	0	0	3	0.256	333	0

Table 98: Transfusão de hemoderivados

death_180days	Mean	Min	Median	Max	Standard Deviation	N	Missing
0	0.024	0	0	34	0.467	15441	0
1	0.046	0	0	5	0.381	259	0
NA	0.991	0	0	61	5.262	333	0

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

death_180days	Mean	Min	Median	Max	Standard Deviation	N	Missing
0	0.283	0	0	199	2.595	15441	0
1	1.069	0	0	40	4.134	259	0
NA	3.090	0	0	115	12.829	333	0

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

death_180days	Mean	Min	Median	Max	Standard Deviation	N	Missing
0	2.417	0	0	365	11.677	15441	0
1	5.162	0	1	85	12.201	259	0
NA	25.276	0	6	420	52.189	333	0

Table 101: ECG

death_180days	Mean	Min	Median	Max	Standard Deviation	N	Missing
0	3.185	0	2	140	5.416	15441	0
1	5.564	0	3	43	6.424	259	0
NA	14.294	0	9	141	18.028	333	0

Table 102: Holter

death_180days	Mean	Min	Median	Max	Standard Deviation	N	Missing
0	0.085	0	0	5	0.320	15441	0
1	0.158	0	0	3	0.425	259	0
NA	0.231	0	0	3	0.552	333	0

Table 103: Teste de esforço

death_180days	Mean	Min	Median	Max	Standard Deviation	N	Missing
0	0.009	0	0	3	0.099	15441	0
1	0.000	0	0	0	0.000	259	0
NA	0.000	0	0	0	0.000	333	0

Table 104: Espirometria / Ergoespirometria

death_180days	Mean	Min	Median	Max	Standard Deviation	N	Missing
0	0.004	0	0	2	0.063	15441	0
1	0.004	0	0	1	0.062	259	0
NA	0.000	0	0	0	0.000	333	0

Table 105: Tilt Test

death_180days	Mean	Min	Median	Max	Standard Deviation	N	Missing
0	0.002	0	0	2	0.045	15441	0
1	0.008	0	0	1	0.088	259	0
NA	0.000	0	0	0	0.000	333	0

Table 106: Polissonografia

death_180days	Mean	Min	Median	Max	Standard Deviation	N	Missing
0	0.001	0	0	2	0.039	15441	0
1	0.004	0	0	1	0.062	259	0
NA	0.006	0	0	1	0.077	333	0

Table 107: Quantidade de exames por métodos gráficos

death_180days	Mean	Min	Median	Max	Standard Deviation	N	Missing
0	3.285	0	2	140	5.550	15441	0
1	5.737	0	4	43	6.611	259	0
NA	14.532	0	9	143	18.090	333	0

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

death_180days	Mean	Min	Median	Max	Standard Deviation	N	Missing
0	47.747	0	7	3474	152.014	15441	0
1	121.606	0	35	2260	219.327	259	0
NA	478.369	0	257	3608	652.636	333	0

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

death_180days	Mean	Min	Median	Max	Standard Deviation	N	Missing
0	0.233	0	0	25	1.019	15441	0
1	0.691	0	0	11	1.601	259	0
NA	3.616	0	1	48	6.341	333	0

Table 110: Quantidade de exames de análises clínicas

death_180days	Mean	Min	Median	Max	Standard Deviation	N	Missing
0	47.981	0	7	3487	152.807	15441	0
1	122.297	0	35	2268	220.467	259	0
NA	481.985	0	262	3645	657.641	333	0

Table 111: Citologias

death_180days	Mean	Min	Median	Max	Standard Deviation	N	Missing
0	0.004	0	0	5	0.085	15441	0
1	0.039	0	0	3	0.261	259	0
NA	0.159	0	0	8	0.713	333	0

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

death_180days	Mean	Min	Median	Max	Standard Deviation	N	Missing
0	0.014	0	0	10	0.251	15441	0
1	0.019	0	0	4	0.256	259	0
NA	0.024	0	0	3	0.204	333	0

Table 113: Quantidade de exames histopatológicos

$death_180 days$	Mean	Min	Median	Max	Standard Deviation	N	Missing
0	0.018	0	0	10	0.272	15441	0
1	0.058	0	0	4	0.374	259	0
NA	0.183	0	0	8	0.740	333	0

Table 114: Angio RM

death_180days	Mean	Min	Median	Max	Standard Deviation	N	Missing
0	0.003	0	0	4	0.078	15441	0
1	0.000	0	0	0	0.000	259	0
NA	0.003	0	0	1	0.055	333	0

Table 115: Angio TC

death_180days	Mean	Min	Median	Max	Standard Deviation	N	Missing
0	0.028	0	0	6	0.210	15441	0
1	0.027	0	0	3	0.223	259	0
NA	0.144	0	0	9	0.692	333	0

Table 116: Angiografia

death_180days	Mean	Min	Median	Max	Standard Deviation	N	Missing
0	0.002	0	0	3	0.045	15441	0
1	0.000	0	0	0	0.000	259	0
NA	0.006	0	0	1	0.077	333	0

Table 117: Aortografia

$death_180 days$	Mean	Min	Median	Max	Standard Deviation	N	Missing
0	0.002	0	0	2	0.043	15441	0
1	0.015	0	0	2	0.152	259	0
NA	0.006	0	0	1	0.077	333	0

Table 118: Arteriografia

death_180days	Mean	Min	Median	Max	Standard Deviation	N	Missing
0	0.000	0	0	2	0.024	15441	0
1	0.004	0	0	1	0.062	259	0
NA	0.003	0	0	1	0.055	333	0

Table 119: Cavografia

death_180days	Mean	Min	Median	Max	Standard Deviation	N	Missing
0	0.006	0	0	1	0.076	15441	0
1	0.012	0	0	1	0.107	259	0
NA	0.024	0	0	1	0.153	333	0

Table 120: Cintilografia

death_180days	Mean	Min	Median	Max	Standard Deviation	N	Missing
0	0.052	0	0	5	0.317	15441	0
1	0.162	0	0	4	0.554	259	0
NA	0.123	0	0	3	0.452	333	0

Table 121: Ecocardiograma

death_180days	Mean	Min	Median	Max	Standard Deviation	N	Missing
0	0.440	0	0	24	1.129	15441	0
1	0.803	0	0	18	1.690	259	0
NA	2.246	0	1	24	3.000	333	0

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

death_180days	Mean	Min	Median	Max	Standard Deviation	N	Missing
0	0.013	0	0	6	0.156	15441	0
1	0.035	0	0	2	0.254	259	0
NA	0.165	0	0	3	0.484	333	0

Table 123: Flebografia

death_180days	Mean	Min	Median	Max	Standard Deviation	N	Missing
0	0.029	0	0	5	0.260	15441	0
1	0.046	0	0	4	0.349	259	0
NA	0.072	0	0	4	0.404	333	0

Table 124: PET-CT

death_180days	Mean	Min	Median	Max	Standard Deviation	N	Missing
0	0.004	0	0	3	0.069	15441	0
1	0.004	0	0	1	0.062	259	0
NA	0.030	0	0	2	0.188	333	0

Table 125: Ultrassom

$death_180 days$	Mean	Min	Median	Max	Standard Deviation	N	Missing
0	0.137	0	0	14	0.696	15441	0
1	0.494	0	0	9	1.295	259	0
NA	1.354	0	0	28	2.996	333	0

Table 126: Tomografia

death_180days	Mean	Min	Median	Max	Standard Deviation	N	Missing
0	0.127	0	0	15	0.602	15441	0
1	0.313	0	0	5	0.762	259	0
NA	0.964	0	0	15	1.845	333	0

Table 127: Radiografias

death_180days	Mean	Min	Median	Max	Standard Deviation	N	Missing
0	2.407	0	1	192	6.456	15441	0
1	4.672	0	2	52	7.665	259	0
NA	20.676	0	9	261	31.090	333	0

Table 128: Ressonancia magnetica

death_180days	Mean	Min	Median	Max	Standard Deviation	N	Missing
0	0.059	0	0	6	0.279	15441	0
1	0.143	0	0	3	0.421	259	0
NA	0.066	0	0	2	0.261	333	0

Table 129: Quantidade de exames diagnóstico por imagem

death_180days	Mean	Min	Median	Max	Standard Deviation	N	Missing
0	3.307	0	1	232	8.152	15441	0
1	6.730	0	3	80	10.202	259	0
NA	25.883	0	14	281	36.090	333	0

Table 130: Dieta enteral (frasco)

death_180days	Mean	Min	Median	Max	Standard Deviation	N	Missing
0	0.020	0	0	115	1.219	15441	0
1	0.429	0	0	111	6.897	259	0
NA	1.285	0	0	195	12.933	333	0

Table 131: Dieta parenteral (frasco)

$death_180 days$	Mean	Min	Median	Max	Standard Deviation	N	Missing
0	0.001	0	0	5	0.054	15441	0
1	0.000	0	0	0	0.000	259	0
NA	0.054	0	0	14	0.797	333	0

Table 132: Bomba de infusão contínua (horas)

death_180days	Mean	Min	Median	Max	Standard Deviation	N	Missing
0	0.668	0	0	1527	19.352	15441	0
1	3.015	0	0	743	46.174	259	0
NA	10.171	0	0	620	58.419	333	0

Table 133: Marca-passo temporário (por hora)

death_180days	Mean	Min	Median	Max	Standard Deviation	N	Missing
0	0.122	0	0	180	2.659	15441	0
1	0.232	0	0	48	3.072	259	0
NA	0.745	0	0	126	8.449	333	0

Categorical variables

```
paste_matrix <- function(...,sep = " ",collapse = NULL){</pre>
    n <- max(sapply(list(...),nrow))</pre>
    p <- max(sapply(list(...),ncol))</pre>
    matrix(paste(...,sep = sep,collapse = collapse),n,p)
}
percent <- function(x) paste0("(", lapply(x, as.character), "%)")</pre>
addpercentage <- function(df, horizontal = FALSE){</pre>
  if (horizontal){
    x <- df %>%
      prop.table(margin = 1) %>%
      addmargins(FUN = list(Total = sum), quiet = TRUE) %>%
      round(2) * 100
    x[nrow(x),] <- " "
    x[-(nrow(x)),] \leftarrow 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))] \leftarrow lapply(x[, -(ncol(x))], percent)
  y \leftarrow matrix(x, nrow = nrow(df) + 1)
  df <- df %>%
    addmargins(FUN = list(Total = sum), quiet = TRUE)
  df_final <- paste_matrix(df, y)</pre>
  rownames(df_final) <- rownames(df)</pre>
  colnames(df_final) <- colnames(df)</pre>
  return(df final)
}
transpose_columns <- c()</pre>
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]],</pre>
                      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]],</pre>
                      df[[column]],
                      useNA = "ifany") %>%
    addpercentage
  has_na <- df[[column]] %>% is.na() %>% sum > 0
  if (has_na){
    colnames(temp_table) [ncol(temp_table) - 1] <- "NA"</pre>
  }
  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)
```

Table 134: Contingency table between death 180days and Sexo

	Se	Sexo			
$death_180 days$	0	1	Total		
X0	$7321\ (97\%)$	8120 (96%)	15441		
X1	103 (1%)	156 (2%)	259		
NA.	142~(2%)	191~(2%)	333		
Total	$7566 \ (100\%)$	8467 (100%)	16033		

Table 135: Contingency table between death 180days and Doença cardíaca

		Doença	cardíaca		
${\rm death}_180 {\rm days}$	0	1	2	NA	Total
X0	8976 (97%)	1096 (93%)	3397 (96%)	1972 (97%)	15441
X1	154 (2%)	37 (3%)	47 (1%)	21 (1%)	259
NA.	156 (2%)	40 (3%)	91 (3%)	46 (2%)	333
Total	9286 (100%)	1173 (100%)	3535 (100%)	2039 (100%)	16033

Table 136: Contingency table between death 180days and Hipertensão arterial

	Hipertensâ	Hipertensão arterial				
$death_180 days$	0	1	Total			
X0	11727 (97%)	3714 (96%)	15441			
X1	163 (1%)	96 (2%)	259			
NA.	254 (2%)	79 (2%)	333			
Total	12144 (100%)	3889 (100%)	16033			

Table 137: Contingency table between death 180days and Infarto do miocárdio prévio / Doença arterial coronariana

	Infarto do miocárd	io prévio / Doença arterial coronariana	
$death_180 days$	0	1	Total
X0	14059 (97%)	1382 (93%)	15441
X1	208 (1%)	51 (3%)	259
NA.	285 (2%)	48 (3%)	333
Total	14552 (100%)	1481 (100%)	16033

Table 138: Contingency table between death 180days and Insuficiência cardíaca

	Insuficiênci	Insuficiência cardíaca		
$death_180 days$	0	1	Total	
X0	9984 (98%)	5457 (94%)	15441	
X1	107 (1%)	152 (3%)	259	
NA.	116 (1%)	217 (4%)	333	
Total	10207 (100%)	5826 (100%)	16033	

Table 139: Contingency table between death 180days and Fibrilação / flutter atrial

	Fibrilação /	Fibrilação / flutter atrial		
$death_180 days$	0	1	Total	
X0	13139 (97%)	2302 (95%)	15441	
X1	194 (1%)	65 (3%)	259	
NA.	282 (2%)	51 (2%)	333	
Total	13615 (100%)	2418 (100%)	16033	

Table 140: Contingency table between death 180days and Parada cardíaca prévia/ Taquicardia ventricular instável

	Parada cardíaca p	Parada cardíaca prévia/ Taquicardia ventricular instável	
$death_180 days$	0	1	Total
X0	13598 (96%)	1843 (96%)	15441
X1	216 (2%)	43 (2%)	259
NA.	296 (2%)	37 (2%)	333
Total	14110 (100%)	1923 (100%)	16033

Table 141: Contingency table between death 180days and Transplante cardíaco prévio

	Transplante car		
$death_180 days$	0	1	Total
X0	15400 (96%)	41 (95%)	15441
X1	258 (2%)	1 (2%)	259
NA.	332 (2%)	1 (2%)	333
Total	15990 (100%)	43 (100%)	16033

Table 142: Contingency table between death 180days and Valvopatias/ Prótese valvares

	Valvopatias/ P		
$death_180 days$	0	1	Total
X0	14437 (97%)	1004 (93%)	15441
X1	219 (1%)	40 (4%)	259
NA.	300 (2%)	33 (3%)	333
Total	14956 (100%)	1077 (100%)	16033

Table 143: Contingency table between death 180days and Endocardite prévia

	Endocardi	Endocardite prévia			
$death_180 days$	0	1	Total		
X0	15310 (96%)	131 (95%)	15441		
X1	258 (2%)	1 (1%)	259		
NA.	327 (2%)	6 (4%)	333		
Total	15895 (100%)	138 (100%)	16033		

Table 144: Contingency table between death 180days and Diabetes melittus

	Diabetes melittus			
$death_180 days$	0	1	Total	
X0	13648 (97%)	1793 (92%)	15441	
X1	192 (1%)	67 (3%)	259	
NA.	246 (2%)	87 (4%)	333	
Total	14086 (100%)	1947 (100%)	16033	

Table 145: Contingency table between death 180days and Insuficiência renal crônica

	Insuficiência r		
$death_180 days$	0	1	Total
X0	14862 (97%)	579 (89%)	15441
X1	227 (1%)	32 (5%)	259
NA.	290 (2%)	43 (7%)	333
Total	15379 (100%)	654 (100%)	16033

Table 146: Contingency table between death 180days and Hemodiálise

	Hemodi		
$death_180 days$	0	1	Total
X0	15427 (96%)	14 (64%)	15441
X1	255 (2%)	4 (18%)	259
NA.	329 (2%)	4 (18%)	333
Total	16011 (100%)	22 (100%)	16033

Table 147: Contingency table between death 180days and Acidente Vascular Cerebral/ Acidente isquêmico transitório prévios

	Acidente Vascular	r Cerebral/ Acidente isquêmico transitório prévios	
${\rm death}_180 {\rm days}$	0	1	Total
X0	14967 (96%)	474 (93%)	15441
X1	236 (2%)	23 (5%)	259
NA.	322 (2%)	11 (2%)	333
Total	15525 (100%)	508 (100%)	16033

Table 148: Contingency table between death 180days and Doença pulmonar obstrutiva crônica

	Doença pulmona		
$death_180 days$	0	1	Total
X0	15238 (96%)	203 (93%)	15441
X1	250 (2%)	9 (4%)	259
NA.	326~(2%)	7 (3%)	333
Total	$15814 \ (100\%)$	$219\ (100\%)$	16033

Table 149: Contingency table between death 180days and Neoplasia em tratamento ou tratada recentemente (12 meses)

	Neoplasia em trata	Neoplasia em tratamento ou tratada recentemente (12 meses)		
$death_180 days$	0	1	Total	
X0	15334 (96%)	107 (92%)	15441	
X1	254 (2%)	5 (4%)	259	
NA.	329 (2%)	4 (3%)	333	
Total	15917 (100%)	116 (100%)	16033	

Table 150: Contingency table between death 180days and Tipo de Procedimento 1

	Tipo de Pro		
$death_180 days$	1	2	Total
X0	10641 (96%)	4800 (98%)	15441
X1	207 (2%)	52 (1%)	259
NA.	281 (3%)	52 (1%)	333
Total	11129 (100%)	4904 (100%)	16033

Table 151: Contingency table between death 180days and Tipo de Reoperação 1

		Tipo de Reoperação 1				
${\rm death_180 days}$	1	2	3	NA	Total	
X0	3867 (98%)	900 (96%)	33 (97%)	10641 (96%)	15441	
X1	40 (1%)	12 (1%)	0 (0%)	207 (2%)	259	
NA.	22 (1%)	29 (3%)	1 (3%)	281 (3%)	333	
Total	3929 (100%)	941 (100%)	34 (100%)	11129 (100%)	16033	

Table 152: Contingency table between death 180days and Tipo de Dispositivo ao final do procedimento 1

Tipo de Dispositivo ao final do procedimento 1					
$death_180 days$	1	2	3	4	Total
X0	12094 (97%)	1731 (96%)	1194 (92%)	422 (92%)	15441
X1	161 (1%)	32 (2%)	48 (4%)	18 (4%)	259
NA.	225 (2%)	32 (2%)	56 (4%)	20 (4%)	333
Total	12480 (100%)	1795 (100%)	1298 (100%)	460 (100%)	16033

Table 153: Contingency table between death 180days and Óbito intraoperatório 1

	Óbito intraop		
$death_180 days$	0	1	Total
X0	15441 (96%)	0 (0%)	15441
X1	259 (2%)	0 (0%)	259
NA.	326 (2%)	7 (100%)	333
Total	16026 (100%)	7 (100%)	16033

Table 154: Contingency table between death 180 days and Tipo de Reoperação $2\,$

		Tipo de Reoperação 2			
${\rm death_180 days}$	1	2	3	NA	Total
X0	3257 (100%)	1450 (97%)	118 (98%)	10616 (95%)	15441
X1	2 (0%)	17 (1%)	3 (2%)	237 (2%)	259
NA.	3 (0%)	23 (2%)	0 (0%)	307 (3%)	333
Total	3262 (100%)	1490 (100%)	121 (100%)	11160 (100%)	16033

Table 155: Contingency table between death 180days and Tipo de Dispositivo ao final do procedimento 2

	Т	ipo de Disposi	tivo ao final d	o procediment	so 2	
$death_180 days$	1	2	3	4	NA	Total
X0	3610 (99%)	633 (98%)	384 (99%)	199 (98%)	10615 (95%)	15441
X1	12 (0%)	4 (1%)	2 (1%)	4 (2%)	237 (2%)	259
NA.	16 (0%)	7 (1%)	2 (1%)	0 (0%)	308 (3%)	333
Total	3638 (100%)	644 (100%)	388 (100%)	203 (100%)	11160 (100%)	16033

Table 156: Contingency table between death 180days and Óbito intraoperatório 2

	Óbito intraoperatório 2			
$death_180 days$	0	NA	Total	
X0	4832 (99%)	10609 (95%)	15441	
X1	22 (0%)	237 (2%)	259	
NA.	26 (1%)	307 (3%)	333	
Total	4880 (100%)	$11153 \ (100\%)$	16033	

Table 157: Contingency table between death 180days and Tipo de Reoperação 3

		Tipo de Reoperação 3				
$death_180 days$	1	2	3	NA	Total	
X0	722 (100%)	566 (98%)	61 (98%)	14092 (96%)	15441	
X1	0 (0%)	6 (1%)	0 (0%)	253 (2%)	259	
NA.	1 (0%)	6 (1%)	1 (2%)	325 (2%)	333	
Total	723 (100%)	578 (100%)	62 (100%)	14670 (100%)	16033	

Table 158: Contingency table between death 180days and Tipo de Dispositivo ao final do procedimento 3

	${ m T}$	Tipo de Dispositivo ao final do procedimento 3				
$death_180 days$	1	2	3	4	NA	Total
X0	960 (99%)	248 (98%)	159 (99%)	98 (99%)	13976 (96%)	15441
X1	5 (1%)	0 (0%)	0 (0%)	1 (1%)	253 (2%)	259
NA.	3 (0%)	4 (2%)	1 (1%)	0 (0%)	325 (2%)	333
Total	968 (100%)	252 (100%)	160 (100%)	99 (100%)	14554 (100%)	16033

Table 159: Contingency table between death 180days and Óbito intraoperatório 3

	Óbito	Óbito intraoperatório 3				
$death_180 days$	0	1	NA	Total		
X0	1466 (99%)	0 (0%)	13975 (96%)	15441		
X1	6 (0%)	0 (0%)	253 (2%)	259		
NA.	4 (0%)	4 (100%)	325 (2%)	333		
Total	1476 (100%)	4 (100%)	14553 (100%)	16033		

Table 160: Contingency table between death 180days and Tipo de Reoperação 4

		Tipo de Reoperação 4				
$death_180 days$	1	2	3	NA	Total	
X0	191 (100%)	251 (100%)	33 (100%)	14966 (96%)	15441	
X1	0 (0%)	1 (0%)	0 (0%)	258 (2%)	259	
NA.	0 (0%)	0 (0%)	0 (0%)	333 (2%)	333	
Total	191 (100%)	252 (100%)	33 (100%)	15557 (100%)	16033	

Table 161: Contingency table between death 180days and Tipo de Dispositivo ao final do procedimento 4

	Ti	Tipo de Dispositivo ao final do procedimento 4				
$death_180 days$	1	2	3	4	NA	Total
X0	287 (100%)	110 (100%)	45 (100%)	42 (100%)	14957 (96%)	15441
X1	1 (0%)	0 (0%)	0 (0%)	0 (0%)	258 (2%)	259
NA.	0 (0%)	0 (0%)	0 (0%)	0 (0%)	333 (2%)	333
Total	288 (100%)	110 (100%)	45 (100%)	42 (100%)	15548 (100%)	16033

Table 162: Contingency table between death 180days and Óbito intraoperatório 4

	Óbito intra	Óbito intraoperatório 4				
$death_180 days$	0	NA	Total			
X0	484 (100%)	14957 (96%)	15441			
X1	1 (0%)	258 (2%)	259			
NA.	0 (0%)	333 (2%)	333			
Total	485 (100%)	15548 (100%)	16033			

Table 163: Contingency table between death 180days and Tipo de Reoperação 5

		Tipo de Reoperação 5				
${\rm death}_180 {\rm days}$	1	2	3	NA	Total	
X0	71 (100%)	106 (100%)	14 (100%)	15250 (96%)	15441	
X1	0 (0%)	0 (0%)	0 (0%)	259 (2%)	259	
NA.	0 (0%)	0 (0%)	0 (0%)	333 (2%)	333	
Total	71 (100%)	106 (100%)	14 (100%)	15842 (100%)	16033	

Table 164: Contingency table between death 180days and Tipo de Dispositivo ao final do procedimento 5

	Tip	Tipo de Dispositivo ao final do procedimento 5				
${\rm death_180 days}$	1	2	3	4	NA	Total
X0	100 (100%)	56 (100%)	22 (100%)	13 (100%)	15250 (96%)	15441
X1	0 (0%)	0 (0%)	0 (0%)	0 (0%)	259 (2%)	259
NA.	0 (0%)	0 (0%)	0 (0%)	0 (0%)	333 (2%)	333
Total	100 (100%)	56 (100%)	22 (100%)	13 (100%)	15842 (100%)	16033

Table 165: Contingency table between death 180days and Óbito intraoperatório 5

	Óbito intra	Óbito intraoperatório 5			
$death_180 days$	0	NA	Total		
X0	192 (100%)	15249 (96%)	15441		
X1	0 (0%)	259 (2%)	259		
NA.	0 (0%)	333 (2%)	333		
Total	192 (100%)	15841 (100%)	16033		

Table 166: Contingency table between death 180days and Tipo de Reoperação 6

Tipo de Reoperação 6					
$death_180 days$	1	2	3	NA	Total
X0	26 (100%)	47 (100%)	6 (100%)	15362 (96%)	15441
X1	0 (0%)	0 (0%)	0 (0%)	259~(2%)	259
NA.	0 (0%)	0 (0%)	0 (0%)	333 (2%)	333
Total	26 (100%)	47 (100%)	6 (100%)	15954 (100%)	16033

Table 167: Contingency table between death 180days and Tipo de Dispositivo ao final do procedimento 6

	Tip	Tipo de Dispositivo ao final do procedimento 6				
${\rm death_180 days}$	1	2	3	4	NA	Total
X0	40 (100%)	25 (100%)	8 (100%)	9 (100%)	15359 (96%)	15441
X1	0 (0%)	0 (0%)	0 (0%)	0 (0%)	259 (2%)	259
NA.	0 (0%)	0 (0%)	0 (0%)	0 (0%)	333 (2%)	333
Total	40 (100%)	25 (100%)	8 (100%)	9 (100%)	15951 (100%)	16033

Table 168: Contingency table between death 180days and Óbito intraoperatório 6

	Óbito intr		
$death_180 days$	0	NA	Total
X0	82 (100%)	15359 (96%)	15441
X1	0 (0%)	259 (2%)	259
NA.	0 (0%)	333 (2%)	333
Total	82 (100%)	15951 (100%)	16033

Table 169: Contingency table between death 180 days and Tipo de Reoperação $7\,$

		Tipo de Reoperação 7				
$death_180 days$	1	2	3	NA	Total	
X0	10 (100%)	18 (100%)	4 (100%)	15409 (96%)	15441	
X1	0 (0%)	0 (0%)	0 (0%)	259 (2%)	259	
NA.	0 (0%)	0 (0%)	0 (0%)	333 (2%)	333	
Total	10 (100%)	18 (100%)	4 (100%)	16001 (100%)	16033	

Table 170: Contingency table between death 180days and Tipo de Dispositivo ao final do procedimento 7

	Tip	Tipo de Dispositivo ao final do procedimento 7				
${\rm death_180 days}$	1	2	3	4	NA	Total
X0	13 (100%)	13 (100%)	1 (100%)	4 (100%)	15410 (96%)	15441
X1	0 (0%)	0 (0%)	0 (0%)	0 (0%)	259 (2%)	259
NA.	0 (0%)	0 (0%)	0 (0%)	0 (0%)	333 (2%)	333
Total	13 (100%)	13 (100%)	1 (100%)	4 (100%)	16002 (100%)	16033

Table 171: Contingency table between death 180days and Óbito intraoperatório 7

	Óbito intraoperatório 7				
$death_180 days$	0	NA	Total		
X0	32 (100%)	15409 (96%)	15441		
X1	0 (0%)	259 (2%)	259		
NA.	0 (0%)	333 (2%)	333		
Total	$32\ (100\%)$	16001 (100%)	16033		

Table 172: Contingency table between death 180days and Tipo de Reoperação 8

	Tipo de I	Tipo de Reoperação 8			
${\rm death_180 days}$	TRUE	NA	Total		
X0	12 (100%)	15429 (96%)	15441		
X1	0 (0%)	259 (2%)	259		
NA.	0 (0%)	333 (2%)	333		
Total	12 (100%)	16021 (100%)	16033		

Table 173: Contingency table between death 180days and Tipo de Dispositivo ao final do procedimento 8

	Tipo de Dispos	Tipo de Dispositivo ao final do procedimento 8		
$death_180 days$	TRUE	NA	Total	
X0	12 (100%)	15429 (96%)	15441	
X1	0 (0%)	259 (2%)	259	
NA.	0 (0%)	333 (2%)	333	
Total	12 (100%)	$16021\ (100\%)$	16033	

Table 174: Contingency table between death 180days and Óbito intraoperatório 8

	Óbito intr	Óbito intraoperatório 8				
${\rm death_180 days}$	FALSE	NA	Total			
X0	12 (100%)	15429 (96%)	15441			
X1	0 (0%)	259 (2%)	259			
NA. Total	0 (0%) $12 (100%)$	333 (2%) 16021 (100%)	333 16033			

Table 175: Contingency table between death 180days and Tipo de Reoperação 9

	Tipo de	Reoperação 9	
$death_180 days$	TRUE	NA	Total
X0	5 (100%)	15436 (96%)	15441
X1	0 (0%)	259 (2%)	259
NA.	0 (0%)	333 (2%)	333
Total	5 (100%)	16028 (100%)	16033

Table 176: Contingency table between death 180days and Tipo de Dispositivo ao final do procedimento 9

	Tipo de Disp	positivo ao final do procedimento 9	
$death_180 days$	TRUE	NA	Total
X0	5 (100%)	15436 (96%)	15441
X1	0 (0%)	259 (2%)	259
NA.	0 (0%)	333 (2%)	333
Total	5 (100%)	16028 (100%)	16033

Table 177: Contingency table between death 180days and Óbito intraoperatório 9

	Óbito int	raoperatório 9	
$death_180 days$	FALSE	NA	Total
X0	5 (100%)	15436 (96%)	15441
X1	0 (0%)	259 (2%)	259
NA.	0 (0%)	333 (2%)	333
Total	5 (100%)	16028 (100%)	16033

Table 178: Contingency table between death 180days and Tipo de Reoperação 10

	Tipo de I	Reoperação 10	
$death_180 days$	TRUE	NA	Total
X0	1 (100%)	15440 (96%)	15441
X1	0 (0%)	259 (2%)	259
NA.	0 (0%)	333~(2%)	333
Total	$1\ (100\%)$	16032 (100%)	16033

Table 179: Contingency table between death 180days and Tipo de Dispositivo ao final do procedimento 10

	Tipo de Dis	positivo ao final do procedimento 10	
${\rm death_180 days}$	TRUE	NA	Total
X0	1 (100%)	15440 (96%)	15441
X1	0 (0%)	259 (2%)	259
NA.	0 (0%)	333 (2%)	333
Total	1 (100%)	16032 (100%)	16033

Table 180: Contingency table between death 180days and Óbito intraoperatório 10

	Óbito intr	aoperatório 10	
${\rm death}_180 {\rm days}$	FALSE	NA	Total
X0	1 (100%)	15440 (96%)	15441
X1	0 (0%)	259 (2%)	259
NA.	0 (0%)	333 (2%)	333
Total	1 (100%)	16032 (100%)	16033

Table 181: Contingency table between death 180days and Mudança do tipo de DCEI: entre o Procedimento 1 e Procedimento 2

	Mudança do t	Mudança do tipo de DCEI: entre o Procedimento 1 e Procedimento 2			
${\rm death}_180 {\rm days}$	0	1	NA	Total	
X0	4550 (99%)	276 (99%)	10615 (95%)	15441	
X1	21 (0%)	1 (0%)	237 (2%)	259	
NA.	22 (0%)	3 (1%)	308 (3%)	333	
Total	4593 (100%)	280 (100%)	11160 (100%)	16033	

Table 182: Contingency table between death 180days and Mudança do tipo de DCEI: entre o Procedimento 2 e Procedimento 3

	Mudança do t	Mudança do tipo de DCEI: entre o Procedimento 2 e Procedimento 3		
$death_180 days$	0	1	NA	Total
X0	1372 (99%)	93 (99%)	13976 (96%)	15441
X1	6 (0%)	0 (0%)	253 (2%)	259
NA.	7 (1%)	1 (1%)	325 (2%)	333
Total	1385 (100%)	94 (100%)	14554 (100%)	16033

Table 183: Contingency table between death 180days and Mudança do tipo de DCEI: entre o Procedimento 3 e Procedimento 4

	Mudança do	Mudança do tipo de DCEI: entre o Procedimento 3 e Procedimento 4		
${\rm death_180 days}$	0	1	NA	Total
X0	456 (100%)	28 (100%)	14957 (96%)	15441
X1	1 (0%)	0 (0%)	258 (2%)	259
NA.	0 (0%)	0 (0%)	333 (2%)	333
Total	457 (100%)	28 (100%)	15548 (100%)	16033

Table 184: Contingency table between death 180days and Mudança do tipo de DCEI: entre o Procedimento 4 e Procedimento 5

	Mudança do	fudança do tipo de DCEI: entre o Procedimento 4 e Procedimento 5			
${\rm death_180 days}$	0	1	NA	Total	
X0	182 (100%)	9 (100%)	15250 (96%)	15441	
X1	0 (0%)	0 (0%)	259 (2%)	259	
NA.	0 (0%)	0 (0%)	333 (2%)	333	
Total	182 (100%)	9 (100%)	15842 (100%)	16033	

Table 185: Contingency table between death 180days and Mudança do tipo de DCEI: entre o Procedimento 5 e Procedimento 6

	Mudança d	Mudança do tipo de DCEI: entre o Procedimento 5 e Procedimento 6		
$death_180 days$	0	1	NA	Total
X0	75 (100%)	7 (100%)	15359 (96%)	15441
X1	0 (0%)	0 (0%)	259 (2%)	259
NA.	0 (0%)	0 (0%)	$\begin{array}{c} 333 \ (2\%) \\ 15951 \ (100\%) \end{array}$	333
Total	75 (100%)	7 (100%)		16033

Table 186: Contingency table between death 180days and Mudança do tipo de DCEI: entre o Procedimento 6 e Procedimento 7

	Mudança d	Mudança do tipo de DCEI: entre o Procedimento 6 e Procedimento 7			
${\rm death_180 days}$	0	1	NA	Total	
X0	28 (100%)	3 (100%)	15410 (96%)	15441	
X1	0 (0%)	0 (0%)	259 (2%)	259	
NA.	0 (0%)	0 (0%)	333 (2%)	333	
Total	28 (100%)	3 (100%)	16002 (100%)	16033	

Table 187: Contingency table between death 180days and Mudança do tipo de DCEI: entre o Procedimento 7 e Procedimento 8

	Mudança d	Mudança do tipo de DCEI: entre o Procedimento 7 e Procedimento 8		
$death_180 days$	FALSE	TRUE	NA	Total
X0	11 (100%)	1 (100%)	15429 (96%)	15441
X1	0 (0%)	0 (0%)	259 (2%)	259
NA.	0 (0%)	0 (0%)	333 (2%)	333
Total	11 (100%)	1 (100%)	16021 (100%)	16033

Table 188: Contingency table between death 180days and Mudança do tipo de DCEI: entre o Procedimento 8 e Procedimento 9

	Mudança do tipo	de DCEI: entre o Procedimento 8 e Procedimento 9	
$death_180 days$	FALSE	NA	Total
X0	5 (100%)	15436 (96%)	15441
X1	0 (0%)	259 (2%)	259
NA.	0 (0%)	333 (2%)	333
Total	5 (100%)	16028 (100%)	16033

Table 189: Contingency table between death 180days 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	
${\rm death_180 days}$	FALSE	NA	Total
X0	1 (100%)	15440 (96%)	15441
X1	0 (0%)	259 (2%)	259
NA.	0 (0%)	333 (2%)	333
Total	1 (100%)	16032 (100%)	16033

Table 190: Contingency table between death 180days and Diálise durante os episódios de hospitalização

	Diálise durante o	os episódios de hospitalização	
${\rm death_180 days}$	0	1	Total
X0	15401 (96%)	40 (63%)	15441
X1	253 (2%)	6 (10%)	259
NA.	316 (2%)	17 (27%)	333
Total	15970 (100%)	63 (100%)	16033

Table 191: Contingency table between death 180days and UTI durante os episódios de hospitalização

	UTI durante os e	UTI durante os episódios de hospitalização		
$death_180 days$	0	1	Total	
X0	12338 (98%)	3103 (91%)	15441	
X1	169 (1%)	90 (3%)	259	
NA.	114 (1%)	219 (6%)	333	
Total	12621 (100%)	3412 (100%)	16033	

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

	Admissão em ate		
$death_180 days$	0	1	Total
X0	14425 (97%)	1016 (91%)	15441
X1	217 (1%)	42 (4%)	259
NA.	274 (2%)	59 (5%)	333
Total	14916 (100%)	1117 (100%)	16033

Table 193: Contingency table between death 180days and Readmissões pós-T0 com diálise

	Readmissões pós-T0 com diálise				
$death_180 days$	0	1	2	3	Total
X0	15421 (96%)	17 (89%)	2 (100%)	1 (100%)	15441
X1	257 (2%)	2 (11%)	0 (0%)	0 (0%)	259
NA.	333 (2%)	0 (0%)	0 (0%)	0 (0%)	333
Total	16011 (100%)	19 (100%)	2 (100%)	1 (100%)	16033

Table 194: Contingency table between death 180days and Desfecho principal da admissão T0

	Desfecho princip		
${\rm death_180 days}$	0	1	Total
X0	15441 (98%)	0 (0%)	15441
X1	259 (2%)	0 (0%)	259
NA.	75 (0%)	258 (100%)	333
Total	15775 (100%)	258 (100%)	16033

Table 195: Contingency table between death 180days and Desfecho final do estudo

	Desfecho final do estudo			
$death_180 days$	1	2	3	Total
X0	2207 (79%)	7737 (100%)	5497 (100%)	15441
X1	259 (9%)	0 (0%)	0 (0%)	259
NA.	333 (12%)	0 (0%)	0 (0%)	333
Total	2799 (100%)	7737 (100%)	5497 (100%)	16033

Table 196: Contingency table between death 180days and Óbito intraoperatório

	Óbito intrao		
$death_180 days$	0	1	Total
X0	15441 (96%)	0 (0%)	15441
X1	259 (2%)	0 (0%)	259
NA.	322 (2%)	11 (100%)	333
Total	16022 (100%)	11 (100%)	

Table 197: Contingency table between death 180days and Ventilação mecânica / IOT

	Ventilação me		
death_180days	0	1	Total
X0	12663 (97%)	2778 (92%)	15441
X1	189 (1%)	70 (2%)	259
NA.	176 (1%)	157 (5%)	333
Total	13028 (100%)	3005 (100%)	16033