FINAL FIT TABLES

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```
library(tidyverse)
library(gtsummary)
library(gt)
library(finalfit)
library(broom)
library(survival)
library(ggsurvfit)

heart <- read_csv("heart_failure_clinical_records_dataset.csv")
```

```
## Labelling and recoding variables
heart <- heart %>%
  mutate(
    age = if_else(age<65,"Less than 65","Above 65") %>%
      fct_relevel("Less than 65") %>%
      ff_label("Age(years)"),
    ejection_fraction= if_else(ejection_fraction<30,"HFrEF",if_else(ejection_fraction>45,"HF
      fct_relevel("HFpEF") %>%
      ff_label("Ejection fraction"),
    serum_creatinine=if_else(serum_creatinine>1.5,"Elevated","Normal") %>%
      fct_relevel("Normal") %>%
      ff_label("Serum creatinine(mg/dL)"),
    serum_sodium = if_else(serum_sodium< 135,"Low",if_else(serum_sodium>145,"Elevated","Norma
      fct_relevel("Normal") %>%
      ff_label("Serum Sodium(mEq/L)"),
    Sex = if_else(sex ==1,"Male","Female"),
    time= ff_label(time,"Time(days)"),
    creatinine_phosphokinase =if_else(creatinine_phosphokinase >170,"Elevated","Normal") %>%
      fct_relevel("Normal") %>%
      ff_label("Creatinine phosphokinase(mcg/dL)"),
    platelets = if_else(platelets <150000,"Low",if_else(platelets>450000,"Elevated","Normal"
      fct_relevel("Normal") %>%
```

```
      ff_label("Platelets(/L)")

  ) %>%
  rename("Anaemia" = anaemia,
         "Smoking" = smoking,
         "Diabetes" = diabetes,
         "Hypertension" =high_blood_pressure,
         "death" = DEATH_EVENT)
```

```
heart %>%
  select(age,Sex,Anaemia,Diabetes,Hypertension,Smoking,
   platelets,serum_creatinine,creatinine_phosphokinase,serum_sodium,time,ejection_fraction) %

   tbl_summary(
    by =ejection_fraction,

    statistic =
      list(all_categorical() ~ "{n} ({p}%)",
           all_continuous() ~ "{mean} ({sd})"),

    digits = list(all_categorical() ~ 0,
                  all_continuous() ~ 0),

  ) %>%
  add_overall() %>%
  bold_labels() %>%
  italicize_levels() %>%
  modify_spanning_header(
    update = all_stat_cols() ~ "**Classification of Heart Failure According to Ejection Fract
  ) %>%
  modify_footnote(
    update = all_stat_cols() ~
      "*mean(standard deviation) for continuous; n(%) for categorical;
    HFrEF-Heart failure with reduced ejection fraction;
    HFpEF-Heart failure with preserved ejection fraction;
   HFmrEF-Heart failure with moderately reduced ejection fraction*"

  )
```

Table 1: Study Participant Characteristics

Characteristic	**Overall**, N = 299	**HFpEF**, N = 60	**HFmrEF**, N = 180	**HFrEF**, N = 59
Age(years)				
Less than 65	184 (62%)	32 (53%)	117 (65%)	35 (59%)
Above 65	115 (38%)	28 (47%)	63 (35%)	24 (41%)
Sex				
Female	105 (35%)	28 (47%)	63 (35%)	14 (24%)
Male	194 (65%)	32 (53%)	117 (65%)	45 (76%)
Anaemia	129 (43%)	30 (50%)	71 (39%)	28 (47%)
Diabetes	125 (42%)	24 (40%)	80 (44%)	21 (36%)
Hypertension	105 (35%)	24 (40%)	59 (33%)	22 (37%)
Smoking	96 (32%)	15 (25%)	62 (34%)	19 (32%)
Platelets(/L)				
Normal	259 (87%)	50 (83%)	159 (88%)	50 (85%)
Elevated	13 (4%)	5 (8%)	6 (3%)	2 (3%)
Low	27 (9%)	5 (8%)	15 (8%)	7 (12%)
Serum creatinine(mg/dL)				
Normal	232 (78%)	54 (90%)	141 (78%)	37 (63%)
Elevated	67 (22%)	6 (10%)	39 (22%)	22 (37%)
Creatinine phosphokinase(mcg/dL)				
Normal	118 (39%)	30 (50%)	64 (36%)	24 (41%)
Elevated	181 (61%)	30 (50%)	116 (64%)	35 (59%)
Serum Sodium(mEq/L)				
Normal	214 (72%)	46 (77%)	131 (73%)	37 (63%)
Elevated	2 (1%)	2 (3%)	0 (0%)	0 (0%)
Low	83 (28%)	12 (20%)	49 (27%)	22 (37%)
Time(days)	130 (78)	118 (71)	142 (79)	106 (72)