

Grotta Bar, Figure 1 SPBG Manuscript

Meghan Forrest

```
# load packages
library(rankinPlot)
library(tidyverse)

-- Attaching packages ----- tidyverse 1.3.2 --
v ggplot2 3.4.4      v purrr   1.0.1
v tibble  3.2.1      v dplyr   1.1.4
v tidyr   1.3.0      v stringr 1.5.0
v readr   2.1.3      v forcats 1.0.0
-- Conflicts ----- tidyverse_conflicts() --
x dplyr::filter() masks stats::filter()
x dplyr::lag()     masks stats::lag()

library(RColorBrewer)

# load data
grotta_dat <- read.csv(file = url("https://raw.githubusercontent.com/meghanrforrest/SPBG-m
  select(!"participant")

grotta_dat <- grotta_dat |>
  mutate(
    dc_status = case_when(
      dc_status == "Not discharged home" ~ "Discharged elsewhere",
      dc_status == "Discharged home" ~ "Discharged home"))

grotta_dat$dc_status <- factor(grotta_dat$dc_status,
                              levels = c("Discharged elsewhere",
                                           "Discharged home"))

grotta_dat$adj <- factor(grotta_dat$adj,
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      levels = c("unadjusted", "adjusted"))

grotta_dat <-
  grotta_dat %>%
  mutate(adj = case_when(
    adj == "adjusted" ~ "Adjusted Using Inverse Probability Weighting",
    adj == "unadjusted" ~ "Unadjusted"))

grotta_dat_dc_unadj <-
  grotta_dat %>%
  filter(dc_status == "Discharged home")

grotta_dat_notdc_unadj <-
  grotta_dat %>%
  filter(dc_status == "Discharged elsewhere")

table(grotta_dat_notdc_unadj$mrs)

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0  1  2  3  4  5  6
54 40 26 42 15  9 14

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x <- table( mRS = grotta_dat$mrs, Group = grotta_dat$dc_status, adjustment = grotta_dat$adj)

custom_colors <- c("#1A4A7C",
  "#4773a3",
  "#a4c3d7",
  "#FFE082",
  "#F4A582",
  "#E0815A",
  "#B2182B")

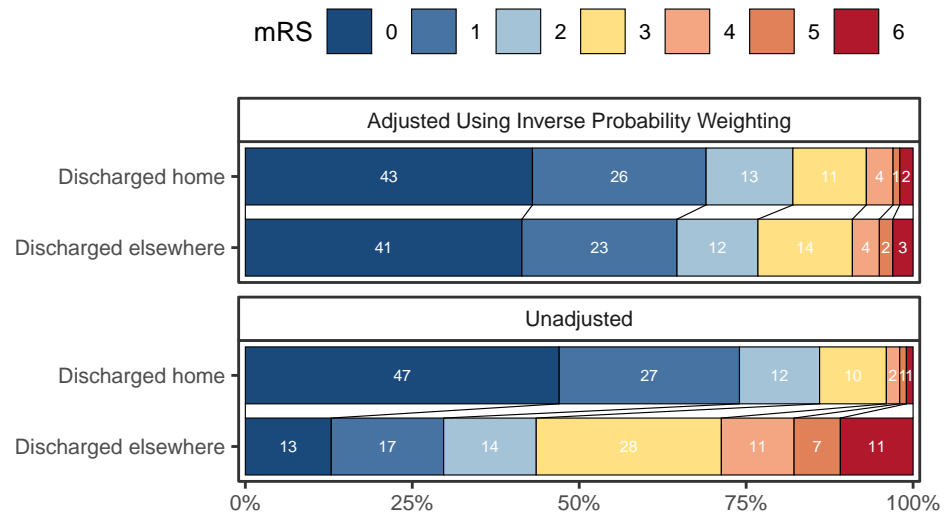
grottaBar(x,
  groupName = "Group",
  scoreName = "mRS",
  strataName = "adjustment",
  width = 0.8, textSize = 10,
  numberSize = 2,

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textColor = "white",
lineSize = 0.2,
colorScheme = "custom") + scale_fill_manual(values = custom_colors)

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ggsave("spbg_figure1.png")

```

Saving 5.5 x 3.5 in image