**Supplementary Appendix**

Supplement to: *Karyotaki E., Tong L., Miguel C., Panagiotopoulou O.M., Harrer M., Papola D., Sijbrandij M., Araya R., Patel V., Cuijpers P., The Effectiveness of Cognitive Behavioural Therapy Delivery Formats for Depression in Low and Middle-income Countries: A Network Meta-analysis, Under Submission*

### Analysis syntax

#### #Libraries needed

```{r}

library(metapsyTools)

library(tidyverse)

library(openxlsx)

library(netmeta)

library(readxl)

library(writexl)

library(dmetar)

library(ggplot2)

library (gridExtra)

library(dmetar)

library(ggplot2)

library (gridExtra)

```

#### #MAIN ANALYSIS EFFECTS

##### ## Main Network Meta-Analysis (NMA)

```{r}

analysis\_out <- netmeta(TE = .g,

seTE = .g\_se,

treat1 = format\_arm1,

treat2 = format\_arm2,

studlab = study,

reference.group = "wl",

sm = "SMD",

random = TRUE,

data = data\_post,

sep.trts = " vs ",

tol.multiarm = 0.2,

details.chkmultiarm = TRUE,

method.tau = "REML",

knha = TRUE)

summary(analysis\_out)

```

##### ### Main analysis network plot

```{r}

analysis\_out$trts

```

##### ### Inconsistency

```{r}

decomp.design(analysis\_out)

```

##### ###To plot the direct and indirect evidence

```{r}

d.evidence <- direct.evidence.plot(analysis\_out)

plot(d.evidence)

```

##### ### Show the results

```{r}

result.matrix <- analysis\_out$TE.random

result.matrix <- round(result.matrix, 2)

result.matrix[lower.tri(result.matrix, diag = FALSE)] <- NA

result.matrix

```

##### ### Treatment ranking

```{r}

netrank(analysis\_out, small.values = "good")

```

##### ### Forest plot

```{r}

forest(analysis\_out,

reference.group = "wl",

sortvar = TE,

xlim = c(-1.3, 3),

smlab = paste("Therapy Formats vs. Waiting list \n",

"(Depressive Symptoms)"),

drop.reference.group = TRUE,

label.left = "Favours Waiting List",

label.right = "Favours CBT Treatment Formats",

labels = long.labels)

```

#### # ANALYSIS OF DROPOUT

##### ##NMA dropout

```{r}

analysisdrop\_out <- netmetabin(studlab = study,

event1 = attr\_arm1,

event2 = attr\_arm2,

n1 = ran\_arm1,

n2 = ran\_arm2,

treat1 = format\_arm1,

treat2 = format\_arm2,

reference.group = "wl",

sm = "RR",

method = "Inverse",

random = TRUE,

data = NMAfinal\_drop,

sep.trts = " vs ",

tol.multiarm = 0.2,

addincr = TRUE,

details.chkmultiarm = TRUE,

method.tau = "REML",

knha = TRUE)

summary(analysisdrop\_out)

```

##### ###Network plot dropout

```{r}

analysisdrop\_out$trts

# Replace with full name (see treat1.long and treat2.long)

long.labels <- c("Care As Usual", "Group",

"Guided Self-Help",

"Individual", "Other Control", "Task-sharing",

"Unguided Self-Help",

"Waitlist")

netgraph(analysisdrop\_out,

labels = long.labels)

```

##### ###Inconsistency

```{r}

decomp.design(analysisdrop\_out)

```

## EReferences of Included Studies

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