

# Week 4 Depression Prevalence

Natashia Dobbs

```
library(readxl)

DV <- read_xlsx("Depression_Prevalence_Vietnam_table.xlsx")
DV_prof <- read_xlsx("Depression_PrevalenceProfession_Vietnam_table.xlsx")
DV_gender <- read_xlsx("Depression_PrevalenceGender_Vietnam_table.xlsx")

# Clean column names: remove extra spaces and symbols
colnames(DV) <- trimws(colnames(DV))
colnames(DV)[colnames(DV) == "Prevelence (%)"] <- "Prevalence"

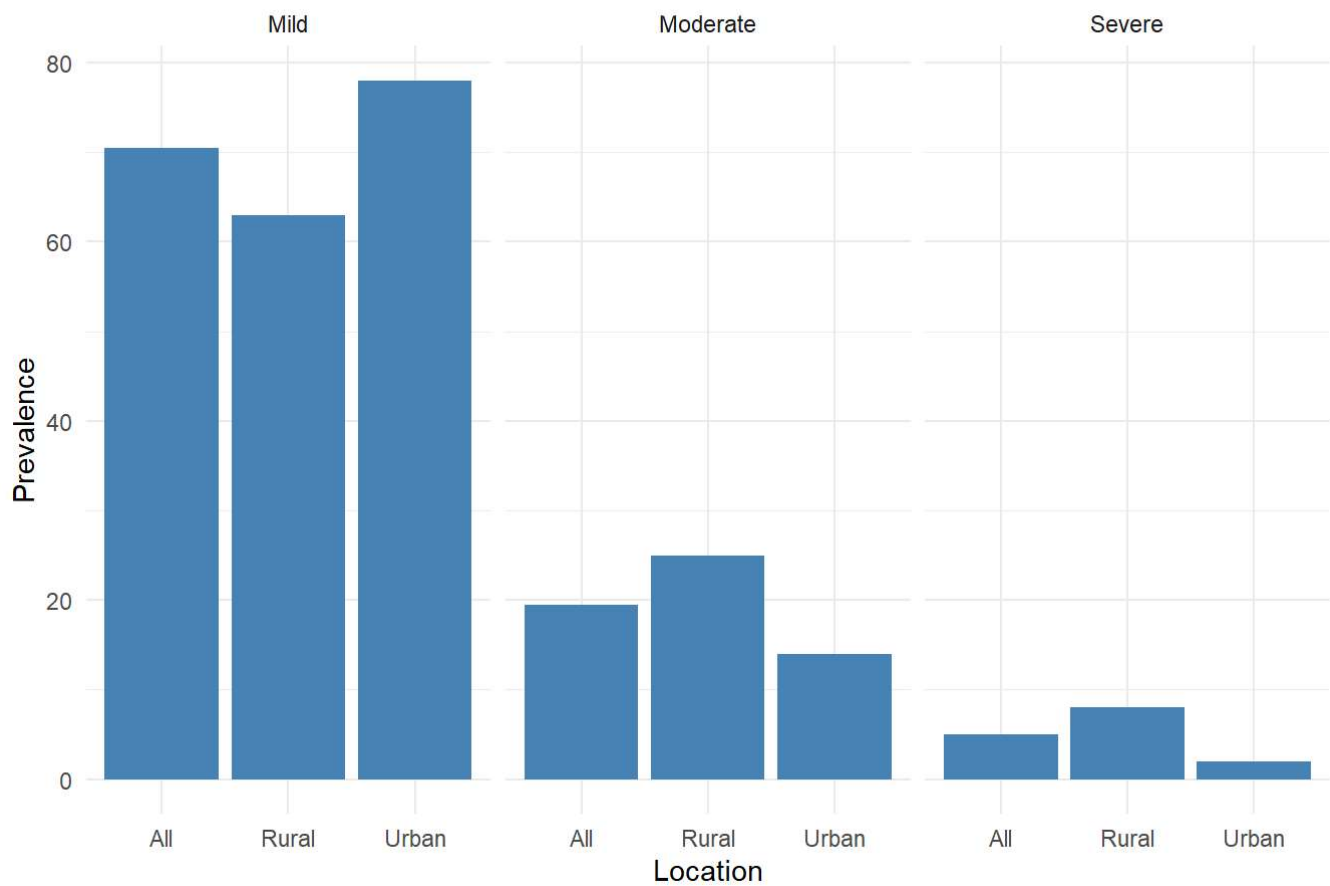
colnames(DV_prof) <- trimws(colnames(DV_prof))
colnames(DV_prof)[colnames(DV_prof) == "Prevelence"] <- "Prevalence"

colnames(DV_gender) <- trimws(colnames(DV_gender))
colnames(DV_gender)[colnames(DV_gender) == "Prevelence"] <- "Prevalence"
```

```
DV$Location <- as.factor(DV$Location)
DV$Prevalence <- as.numeric(DV$Prevalence)

ggplot(DV, aes(x = Location, y = Prevalence)) +
  geom_bar(stat = "identity", fill = "steelblue") +
  facet_wrap(~Type) +
  theme_minimal() +
  labs(title = "Perceived Depression Prevalence by Location in Vietnam")
```

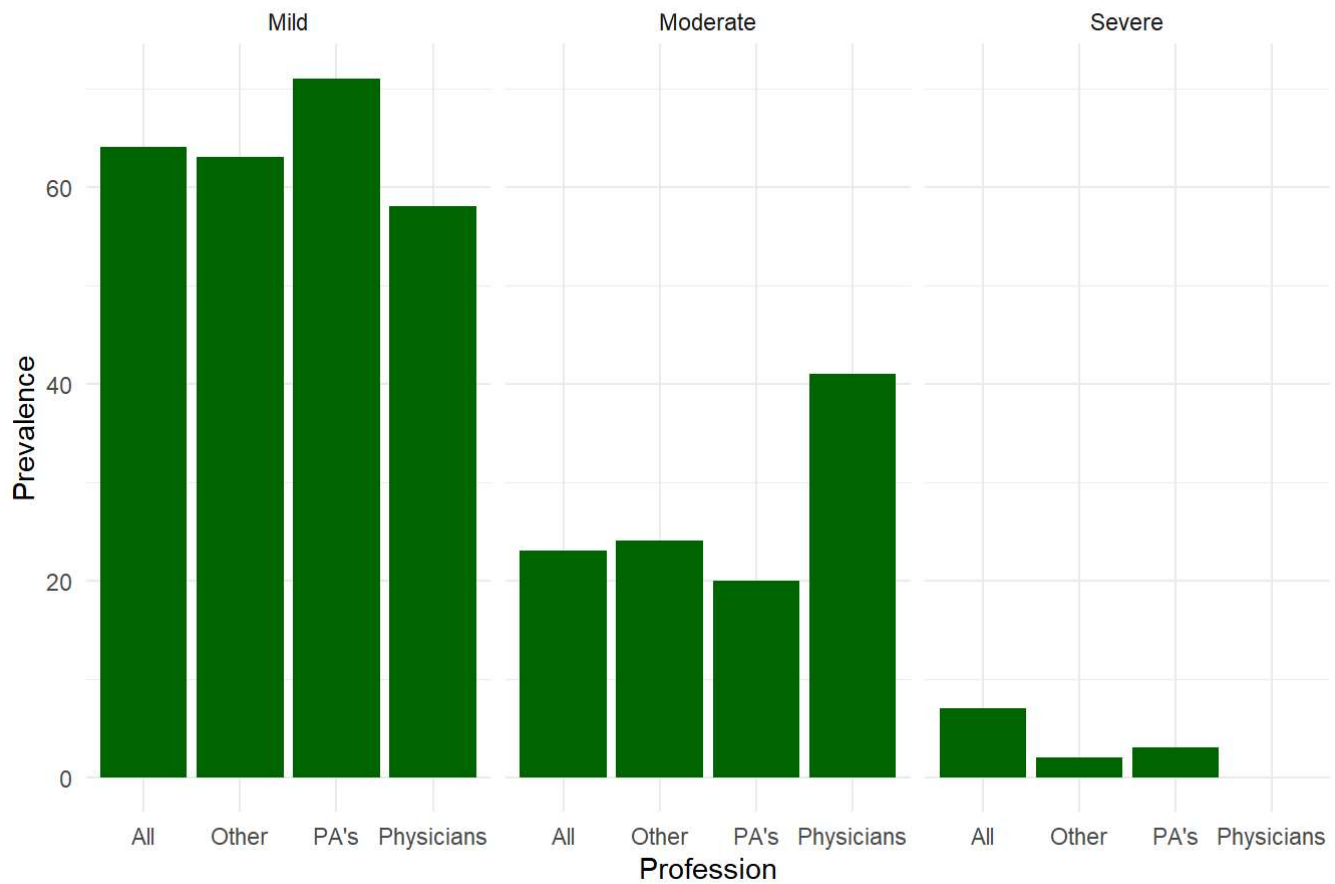
## Perceived Depression Prevalence by Location in Vietnam



```
DV_prof$Profession <- as.factor(DV_prof$Profession)
DV_prof$Prevalence <- as.numeric(DV_prof$Prevalence)

ggplot(DV_prof, aes(x = Profession, y = Prevalence)) +
  geom_bar(stat = "identity", fill = "darkgreen") +
  facet_wrap(~Type) +
  theme_minimal() +
  labs(title = "Perceived Depression Prevalence by Profession in Vietnam")
```

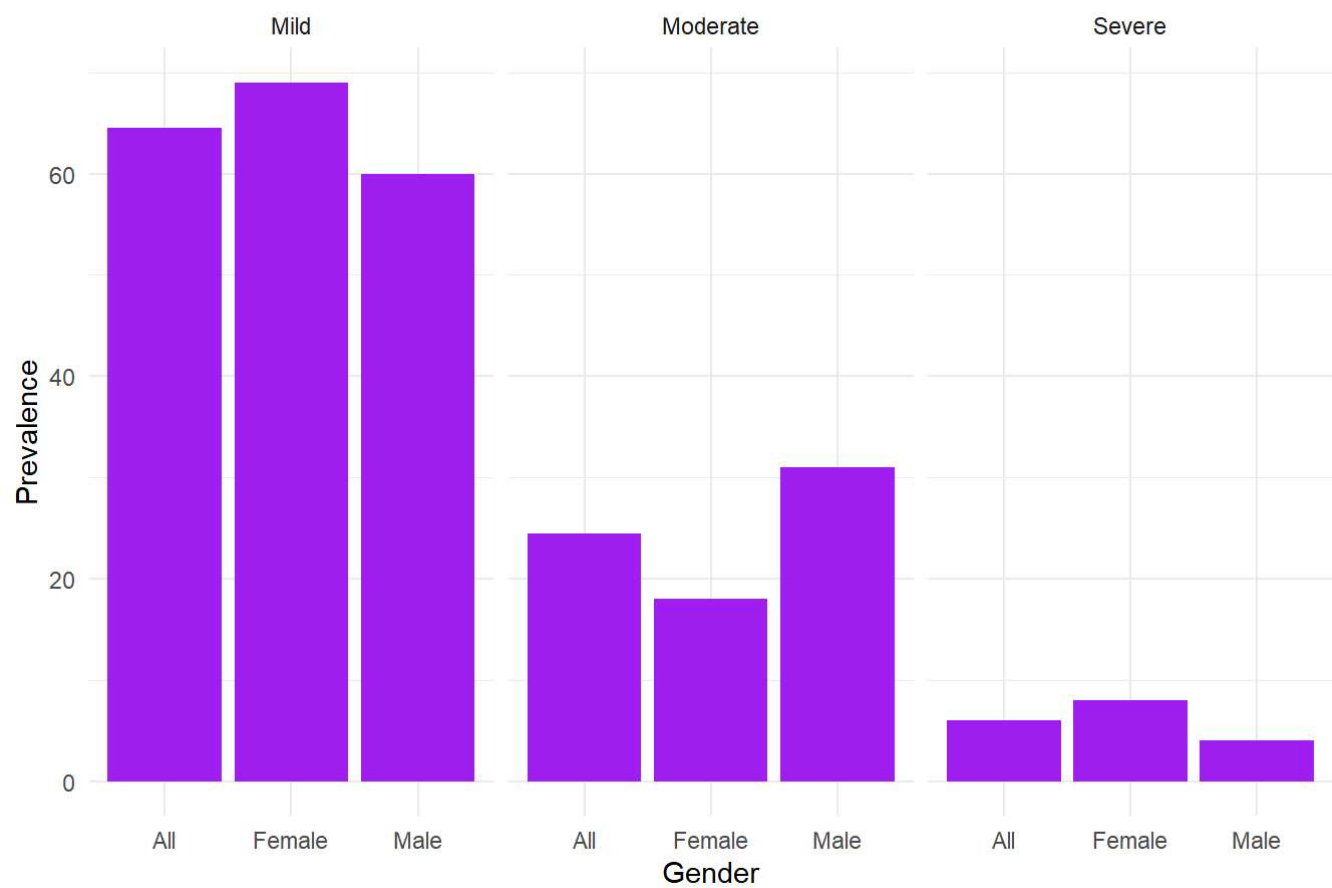
## Perceived Depression Prevalence by Profession in Vietnam



```
DV_gender$Gender <- as.factor(DV_gender$Gender)
DV_gender$Prevalence <- as.numeric(DV_gender$Prevalence)

ggplot(DV_gender, aes(x = Gender, y = Prevalence)) +
  geom_bar(stat = "identity", fill = "purple") +
  facet_wrap(~Type) +
  theme_minimal() +
  labs(title = "Perceived Depression Prevalence by Gender in Vietnam")
```

Perceived Depression Prevalence by Gender in Vietnam



```
colnames(DV)
```

```
## [1] "Location" "Prevalence" "Type"
```