

Is there an association between early childhood adversity and higher depression scores in US adults?

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2024-6-18

```
#needed questionnaires
#install.packages("haven")
#install.packages("nhanesA")
library(haven)
library(tidyverse)
```

```
## -- Attaching core tidyverse packages ----- tidyverse 2.0.0 --
## v dplyr      1.1.4      v readr      2.1.5
## v forcats    1.0.0      v stringr    1.5.1
## v ggplot2    3.5.1      v tibble     3.2.1
## v lubridate  1.9.3      v tidyr      1.3.1
## v purrr      1.0.2
## -- Conflicts ----- tidyverse_conflicts() --
## x dplyr::filter() masks stats::filter()
## x dplyr::lag()     masks stats::lag()
## i Use the conflicted package (<http://conflicted.r-lib.org/>) to force all conflicts to become errors
```

```
#library(nhanesA)
depress <- read_xpt("D:/_uoft_1/5 1/depress-and-childhood/data/DPQ_J.XPT")
#depress <- nhanes("DPQ_J")
child <- read_xpt("D:/_uoft_1/5 1/depress-and-childhood/data/ECQ_J.XPT")
#depress <- nhanes("ECQ_J")
```

```
# merge 2 datasets
clean_data_T <- merge(depress, child, by = "SEQN", all.x =T, all.y =T)
clean_data_F <- merge(depress, child, by = "SEQN", all=FALSE)
head(clean_data_T)
```

```
##      SEQN DPQ010 DPQ020 DPQ030 DPQ040 DPQ050 DPQ060 DPQ070 DPQ080 DPQ090 DPQ100
## 1 93703      NA      NA      NA      NA      NA      NA      NA      NA      NA      NA
## 2 93704      NA      NA      NA      NA      NA      NA      NA      NA      NA      NA
## 3 93705        0        0        0        0        0        0        0        0        0      NA
## 4 93706        0        0        0        0        0        0        0        0        0      NA
## 5 93707      NA      NA      NA      NA      NA      NA      NA      NA      NA      NA
## 6 93708        0        0        0        0        0        0        0        0        0      NA
##      ECD010 ECQ020 ECD070A ECD070B ECQ080 ECQ090 WHQ030E MCQ080E ECQ150
## 1      35      2        8        11      NA      NA        3        2      NA
## 2      29      2        7         9      NA      NA        3        2      NA
```

```
## 3      NA      NA      NA      NA      NA      NA      NA      NA      NA
## 4      NA      NA      NA      NA      NA      NA      NA      NA      NA
## 5      34       2       7       2      NA      NA       3       2      NA
## 6      NA      NA      NA      NA      NA      NA      NA      NA      NA
```

```
head(clean_data_F)
```

```
## [1] SEQN      DPQ010 DPQ020 DPQ030 DPQ040 DPQ050 DPQ060 DPQ070 DPQ080
## [10] DPQ090 DPQ100 ECD010 ECQ020 ECD070A ECD070B ECQ080 ECQ090 WHQ030E
## [19] MCQ080E ECQ150
## <0 > ( 0- row.names)
```

```
# filter missing and refused
```