

Relations between Inflammation, access to care and Diabetes in two representative
populations of China and Mexico.

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Author Note

List of group members ordered by alphabet.

Abstract

Background. Background goes here. *Methods.* Methods go here. *Results.* Results here.

Conclusions. Conclusions here.

Keywords: Diabetes, access to care, inflammation, health, Mexico, China

Word count: X (this cannot easily be done automatically, we can also just leave it out)

Relations between Inflammation, access to care and Diabetes in two representative populations of China and Mexico.

```
##
## Call:
## lm(formula = crp ~ hba1c * medication + age, data = RQ1_df)
##
## Residuals:
##      Min       1Q   Median       3Q      Max
## -1.5545 -0.7586 -0.3563  0.5011  3.5249
##
## Coefficients:
##              Estimate Std. Error t value Pr(>|t|)
## (Intercept)    1.170340   0.621564   1.883   0.0605 .
## hba1c          0.069964   0.039064   1.791   0.0741 .
## medication2    0.859571   0.655572   1.311   0.1906
## age           -0.002503   0.007024  -0.356   0.7218
## hba1c:medication2 -0.090588   0.079689  -1.137   0.2564
## ---
## Signif. codes:  0 '***' 0.001 '**' 0.01 '*' 0.05 '.' 0.1 ' ' 1
##
## Residual standard error: 1.107 on 366 degrees of freedom
## (1820 observations deleted due to missingness)
## Multiple R-squared:  0.01194,    Adjusted R-squared:  0.001137
## F-statistic: 1.105 on 4 and 366 DF,  p-value: 0.3538
```

=====

Dependent variable:

```

-----
                                crp
-----
hba1c                        0.066
                               (0.055)

dt_exrcse2                   0.010
                               (0.572)

age                          -0.002
                               (0.007)

hba1c:dt_exrcse2             -0.033
                               (0.069)

Constant                     1.335*
                               (0.686)

-----

Observations                  371
R2                            0.020
Adjusted R2                   0.010
Residual Std. Error          1.103 (df = 366)
F Statistic                   1.901 (df = 4; 366)
=====
Note:                         *p<0.1; **p<0.05; ***p<0.01

## tibble [350 x 10] (S3: tbl_df/tbl/data.frame)

```

```
## $ sex          : Factor w/ 2 levels "1","2": 1 2 1 2 2 1 1 2 1 2 ...
## $ diagnosis    : Factor w/ 2 levels "1","2": 1 1 1 1 1 1 1 1 1 1 ...
## $ age          : int [1:350] 67 62 75 87 65 62 60 60 67 57 ...
## $ hba1c        : num [1:350] 6.54 6.05 14.22 8.82 9.65 ...
## $ crp          : num [1:350] 0.95 3.15 1.29 1.29 1 ...
## $ medication   : Factor w/ 2 levels "1","2": 1 1 1 1 1 1 1 1 1 2 ...
## $ dt_exrcse    : Factor w/ 2 levels "1","2": 2 1 2 1 2 2 2 2 1 2 ...
## $ med_dt_exrcse: Factor w/ 2 levels "1","2": 2 2 2 2 2 2 2 2 2 1 ...
## $ access       : Factor w/ 2 levels "1","2": 2 2 2 2 2 1 1 1 1 2 ...
## $ q5027        : int [1:350] NA NA NA NA NA 1 12 12 1 NA ...
```

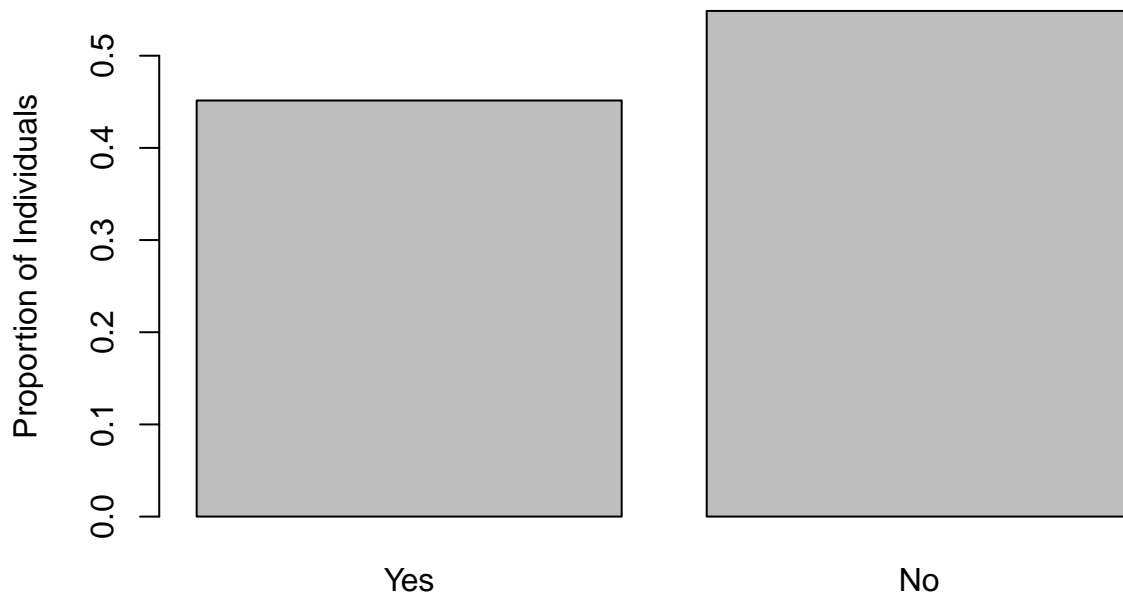
```
## tibble [350 x 6] (S3: tbl_df/tbl/data.frame)
```

```
## $ diagnosis: Factor w/ 2 levels "1","2": 1 1 1 1 1 1 1 1 1 1 ...
## $ age      : int [1:350] 67 62 75 87 65 62 60 60 67 57 ...
## $ hba1c    : num [1:350] 6.54 6.05 14.22 8.82 9.65 ...
## $ crp      : num [1:350] 0.95 3.15 1.29 1.29 1 ...
## $ dt_exrcse: Factor w/ 2 levels "1","2": 2 1 2 1 2 2 2 2 1 2 ...
## $ access   : Factor w/ 2 levels "1","2": 2 2 2 2 2 1 1 1 1 2 ...
```

```
##
```

```
## Yes No
```

```
## 158 192
```



Individuals 50yo or older with Diabetes that partake in Diet&Exercise and saw a Dr. in the L

```
##
```

```
## To cite package 'tidyverse' in publications use:
```

```
##
```

```
## Wickham H, Averick M, Bryan J, Chang W, McGowan LD, François R,  
## Grolemund G, Hayes A, Henry L, Hester J, Kuhn M, Pedersen TL, Miller  
## E, Bache SM, Müller K, Ooms J, Robinson D, Seidel DP, Spinu V,  
## Takahashi K, Vaughan D, Wilke C, Woo K, Yutani H (2019). "Welcome to  
## the tidyverse." _Journal of Open Source Software_, 4(43), 1686.  
## doi:10.21105/joss.01686 <https://doi.org/10.21105/joss.01686>.
```

```
##
```

```
## A BibTeX entry for LaTeX users is
```

```
##
```

```
## @Article{,
```

```
## title = {Welcome to the {tidyverse}},
## author = {Hadley Wickham and Mara Averick and Jennifer Bryan and Winston Chang and John Fox and John J. Fox and John J. Fox and John J. Fox and John J. Fox},
## year = {2019},
## journal = {Journal of Open Source Software},
## volume = {4},
## number = {43},
## pages = {1686},
## doi = {10.21105/joss.01686},
## }
```

```
##
```

```
## To cite package 'rio' in publications use:
```

```
##
```

```
## Chung-hong Chan, Geoffrey CH Chan, Thomas J. Leeper, and Jason Becker
## (2021). rio: A Swiss-army knife for data file I/O. R package version
## 0.5.29.
```

```
##
```

```
## A BibTeX entry for LaTeX users is
```

```
##
```

```
## @Manual{,
## title = {rio: A Swiss-army knife for data file I/O},
## author = {Chung-hong Chan and Geoffrey CH Chan and Thomas J. Leeper and Jason Becker},
## year = {2021},
## note = {R package version 0.5.29},
## }
```

```
##
```

```
## To cite package 'here' in publications use:
```

```
##
```

```
## Müller K (2020). _here: A Simpler Way to Find Your Files_. R package
```

```
## version 1.0.1, <https://CRAN.R-project.org/package=here>.
```

```
##
```

```
## A BibTeX entry for LaTeX users is
```

```
##
```

```
## @Manual{,
```

```
##   title = {here: A Simpler Way to Find Your Files},
```

```
##   author = {Kirill Müller},
```

```
##   year = {2020},
```

```
##   note = {R package version 1.0.1},
```

```
##   url = {https://CRAN.R-project.org/package=here},
```

```
## }
```

```
##
```

```
## To cite package 'papaja' in publications use:
```

```
##
```

```
## Aust, F. & Barth, M. (2022). papaja: Prepare reproducible APA journal
```

```
## articles with R Markdown. R package version 0.1.1. Retrieved from
```

```
## https://github.com/crsh/papaja
```

```
##
```

```
## A BibTeX entry for LaTeX users is
```

```
##
```

```
## @Manual{,
```

```
##   title = {{papaja}: {Prepare} reproducible {APA} journal articles with {R Markdown}
```

```
##   author = {Frederik Aust and Marius Barth},
```

```
##   year = {2022},
```

```
##   note = {R package version 0.1.1},
```



```
##      url = {https://github.com/crsh/papaja},
##    }

##

## To cite package 'tidyr' in publications use:
##
## Wickham H, Girlich M (2022). _tidyr: Tidy Messy Data_. R package
## version 1.2.1, <https://CRAN.R-project.org/package=tidyr>.
##
## A BibTeX entry for LaTeX users is
##
## @Manual{,
##   title = {tidyr: Tidy Messy Data},
##   author = {Hadley Wickham and Maximilian Girlich},
##   year = {2022},
##   note = {R package version 1.2.1},
##   url = {https://CRAN.R-project.org/package=tidyr},
## }

##

## Please cite stargazer in publications as:
##
## Hlavac, Marek (2022). stargazer: Well-Formatted Regression and
## Summary Statistics Tables. R package version 5.2.3.
## https://CRAN.R-project.org/package=stargazer
##
## A BibTeX entry for LaTeX users is
##
```

```
## @Manual{,
##   title = {stargazer: Well-Formatted Regression and Summary Statistics Tables},
##   author = {Marek Hlavac},
##   year = {2022},
##   note = {R package version 5.2.3},
##   organization = {Social Policy Institute},
##   address = {Bratislava, Slovakia},
##   url = {https://CRAN.R-project.org/package=stargazer},
## }
```

The descriptive statistics for our sample look as follows:

Table 1

Descriptive statistics.

	Mexico
N_{total}	2191
Sex	
male	869 (39.70 %)
female	1317 (60.10 %)
unknown	5 (0.20 %)
Age	68.20 ($SD = 9.30$)
Diabetes	
diagnosed	374 (17.10 %)
undiagnosed	205 (9.40 %)