| Description | Quick start | Menu | Syntax |
| :--- | :--- | :--- | :--- |
| Options | Remarks and examples | Stored results | Reference |
| Also see |  |  |  |

## Description

In this entry, we discuss how to use the table command to create tables displaying frequencies, percentages, and proportions across levels of three or more variables. Additionally, we demonstrate how a single table command can create multiple tables corresponding to levels of variables or different statistics.

## Quick start

Table of frequencies with rows defined by the levels of a1 and columns defined by the categories of a2 and a3
table (a1) (a2 a3)
Same as above, but with rows defined by levels of a1 and a2 and columns defined by levels of a3 table (a1 a2) (a3)

Separate tables for each level a3 with the rows of each table defined by the levels of a1 and the columns defined by levels of a2
table (a1) (a2) (a3)
Report percentages of observations in each cell rather than frequencies

```
table (a1) (a2 a3), statistic(percent)
```

Report both frequencies and percentages

```
table (a1) (a2 a3), statistic(percent) statistic(frequency)
```

Report the percentages across levels of a3
table (a1) (a2 a3), statistic(percent, across(a3))

## Menu

Statistics $>$ Summaries, tables, and tests $>$ Tables of frequencies, summaries, and command results

## Syntax

Table with rows defined by multiple variables

```
table rowvars colvar [if] [in] [weight] [, options]
```

Table with columns defined by multiple variables table rowvar (colvars) [if] [in] [weight] [, options]

Table with rows and columns defined by multiple variables
table (rowvars) (colvars) [if] [in] [weight] [, options]

Multiple multiway tables table (rowvars) (colvars) (tabvars) [if] [in] [weight] [, options]

Customized multiway tables table (rowspec) (colspec) [(tabspec)] [if] [in] [weight] [, options]
rowspec, colspec, and tabspec may be empty or may include variable names or any of the following keywords:

| keyword | Description |
| :--- | :--- |
| result | requested statistics |
| across | index across () specifications |

options
Main

```
totals (totals)
```

nototals
Statistics
statistic (stat $[$, statopts $]$ )

Formats
nformat (\% fmt [results] [, basestyle]) specify numeric format
sformat (sfmt [results]) specify string format
Options
listwise
missing
showcounts
zerocounts
name (cname)
append
replace
label (filename)
style(filename [, override])
markvar (newvar)

Description
report only the specified totals
suppress the marginal totals
statistic to be reported; default is
statistic (frequency) when no weights
are specified and statistic (sumw) otherwise
use listwise deletion to handle missing values
treat numeric missing values like other values
show sample size for all variables in statistic ()
option
report 0 for empty cell counts
collect results into a collection named cname
append results to an existing collection
replace results of an existing collection
specify the collection labels
specify the collection style
create newvar to identify observations used to compute the statistics
fweights, aweights, iweights, and pweights are allowed; see [U] 11.1.6 weight.
strL variables are not allowed; see [U] 12.4.8 strL.
markvar() does not appear in the dialog box.

## Options

$\qquad$ Main
totals (totals) and nototals control which totals are to be displayed in the table. By default, all totals are reported.
totals (totals) specifies that totals be displayed only for the variables or interactions specified. totals can contain rowvars, colvars, tabvars, and interactions between any of these variables. Interactions can be specified by using the \# operator.
nototals prevents table from displaying any totals.
statistic (stat [, statopts]) specifies the statistic to be displayed. statistic() may be repeated to request multiple statistics.

Available statistics are

| stat | Definition |
| :--- | :--- |
| frequency <br> sumw | frequency |
| proportion | sum of weights |
| percent | proportion |
| rawproportion | proportion ignoring optionally specified weights <br> rawpercent |

The following options may be specified in combination with statistics proportion, percent, rawproportion, and rawpercent:

| statopts | Definition |
| :--- | :--- |
| across (cellspec) | percentages or proportions across levels of variables or interactions <br> compute overall percentages or proportions |
| total |  |

cellspec may contain rowvars, colvars, tabvars, or an interaction between any of these variables. Interactions can be specified by using the \# operator.

## Formats

nformat (\% fint [results][, basestyle]) changes the numeric format, such as the number of decimal places, for specified results. If results are not specified, the numeric format is changed for all results.
results may be any statistic named in option statistic() (that is, any stat).
This option is repeatable, and when multiple formats apply to one result, the rightmost specification is applied.
This option does not affect the format of numeric layout variables (rowspec, colspec, and tabspec). The default format of these variables is taken from the dataset.
basestyle indicates that the format be applied to results that do not already have their own format instead of overriding the format for all results.
sformat (sfint $[$ results $]$ ) changes the string format for specified results. You can, for instance, add symbols or text to the values reported in the table by modifying the string format.
sfint may contain a mix of text and $\%$ s. Here $\%$ s refers to the numeric value that is formatted as specified using nformat(). The text will be placed around the numeric values in your table as it is placed around $\% \mathrm{~s}$ in this option. For instance, to place parentheses around the percent statistics, you can specify sformat (" (\%s)" percent).
results may be any statistic named in option statistic() (that is, any stat).
Two text characters must be specified using a special character sequence if you want them to be displayed in your table. To include $\%$, type $\% \%$. To include $\backslash$, type $\backslash \backslash$. For instance, to place a percent sign following percent statistics, you can specify sformat("\%s\%\%" percent).
This option is repeatable, and when multiple formats apply to one result, the rightmost specification is applied.
listwise handles missing values through listwise deletion, meaning that the entire observation is omitted from the sample if any variable specified in a statistic() option is missing for that observation. By default, table will omit an observation only if all variables specified in all statistic() options are missing for that observation.
missing specifies that numeric missing values of any rowvars, colvars, or tabvars be treated as valid categories. By default, observations with a numeric missing value in rowvars, colvars, or tabvars are omitted.
showcounts specifies that table report the sample size for each variable specified in option statistic().
zerocounts specifies that table report a 0 in empty cells for the frequency statistic.
name (cname) specifies that a collection named cname be associated with the collected statistics and results. The default is name (Table).
append specifies that table append its collection information into the collection named in name().
replace permits table to overwrite an existing collection. This option is implied for name (Table) when append is not specified.
label (filename) specifies the filename containing the collection labels to use for your table. Labels in filename will be loaded for the table, and any labels not specified in filename will be taken from the labels defined in $c$ (collect_label). The default is to use only the collection labels set in c(collect_label); see [TABLES] set collect_label.
style(filename [, override]) specifies the filename containing the collection styles to use for your table. The default collection styles will be discarded, and only the collection styles in filename will be applied.
If you prefer the default collection styles but also want to apply any styles in filename, specify override. If there are conflicts between the default collection styles and those in filename, the ones in filename will take precedence.

The default is to use only the collection styles set in c(table_style) ; see [TABLES] set table_style.
The following option is available with table but is not shown in the dialog box:
markvar (newvar) generates an indicator variable that identifies the observations used in the tabulation.

## Remarks and examples

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Remarks are presented under the following headings:

Introduction<br>Tables with columns defined by multiple variables<br>Appending tables<br>Multiple tables with specified totals

## Introduction

The table command allows you to create complex tables beyond one- and two-way tabulations. In multiway tabulations, you can display frequencies across levels of two or more variables. You can have levels of one variable nested within levels of another variable in columns, in rows, or in both dimensions. And with a single command, you can create separate tables for levels of one or more variables or for different results.

## Tables with columns defined by multiple variables

We use data from the Second National Health and Nutrition Examination Survey (NHANES II) (McDowell et al. 1981). The data contain some demographic information, such as the age, sex, and race of participants. The dataset also contains some measures of health, including whether the individual has high blood pressure (highbp).

Before we create any tables, we will modify a few labels in our dataset so that they will appear as we wish in our tables.

```
. use https://www.stata-press.com/data/r18/nhanes21
(Second National Health and Nutrition Examination Survey)
. label define yesno O "No" 1 "Yes"
. label values highbp diabetes heartatk yesno
. label variable diabetes "Diabetes"
```

Suppose we want to examine how many males and females in each age group have high blood pressure. Let's place the levels of age group on the rows and the levels of high blood pressure and sex on the columns.
. table (agegrp) (sex highbp), nototals

|  | Sex |  |  |  |
| :---: | :---: | :---: | :---: | :---: |
|  | Male <br> High blood pressure |  | $\begin{array}{r} \text { Fem } \\ \text { High blood } \\ \text { No } \end{array}$ | ure <br> Yes |
| Age group |  |  |  |  |
| 20-29 | 825 | 291 | 1,103 | 101 |
| 30-39 | 480 | 290 | 687 | 165 |
| 40-49 | 336 | 274 | 434 | 228 |
| 50-59 | 255 | 347 | 335 | 354 |
| 60-69 | 568 | 801 | 625 | 866 |
| 70+ | 147 | 301 | 180 | 358 |

By default, table includes the totals for each category; we added the nototals option to suppress them here.

To better compare the occurrence of high blood pressure, let's now compute percentages of highbp. Below, we create the same table, but within each sex and age group combination, we report the percentage of individuals with and without high blood pressure.

```
. table (agegrp) (sex highbp), nototals statistic(percent, across(highbp))
```

|  | Male |  |  |  |
| :---: | :---: | :---: | :---: | ---: |
|  | Mex <br> High blood pressure <br> No | Yes | Female <br> High blood pressure <br> No | Yes |

Here we see that $26.08 \%$ of males in their 20s have high blood pressure and only $8.39 \%$ of females in their 20s have high blood pressure.

If we had simply typed statistic (percent), then we would see the percentage of observations in each cell. With the suboption across(), we can compute the percentage within each sex and age group combination (across levels of highbp).

Next, let's request that percentages be calculated across the categories of high blood pressure and sex. We can alternatively think of this as being percentages within age group.

|  | Male <br> High blood pressure <br> No Yes |  | Female <br> High blood pressure <br> No <br> Yes |  |
| :---: | :---: | :---: | :---: | :---: |
| Age group |  |  |  |  |
| 20-29 | 35.56 | 12.54 | 47.54 | 4.35 |
| 30-39 | 29.59 | 17.88 | 42.36 | 10.17 |
| 40-49 | 26.42 | 21.54 | 34.12 | 17.92 |
| 50-59 | 19.75 | 26.88 | 25.95 | 27.42 |
| 60-69 | 19.86 | 28.01 | 21.85 | 30.28 |
| 70+ | 14.91 | 30.53 | 18.26 | 36.31 |

Here we see that $12.54 \%$ of individuals in their 20s are males with high blood pressure and $4.35 \%$ are females with high blood pressure.

We can reverse the order of our column variables so that we have the levels of sex nested within levels of high blood pressure. We will again request percentages across the categories of highbp.

```
. table (agegrp) (highbp sex), nototals statistic(percent, across(highbp))
```

|  | High blood pressure <br> No <br> Sex |  |  | Yes <br> Sex |  |
| :--- | ---: | ---: | ---: | ---: | :---: |
|  | Male | Female | Male | Female |  |
| Age group |  |  |  |  |  |
| $20-29$ | 73.92 | 91.61 | 26.08 | 8.39 |  |
| $30-39$ | 62.34 | 80.63 | 37.66 | 19.37 |  |
| $40-49$ | 55.08 | 65.56 | 44.92 | 34.44 |  |
| $50-59$ | 42.36 | 48.62 | 57.64 | 51.38 |  |
| $60-69$ | 41.49 | 41.92 | 58.51 | 58.08 |  |
| $70+$ | 32.81 | 33.46 | 67.19 | 66.54 |  |

The last two columns represent the percentage of males with high blood pressure in the age group and the percentage of females with high blood pressure in the age group. We can clearly see that, across all age groups, the percent of males who have high blood pressure is greater than the percentage of females with high blood pressure.

Perhaps we want a table that includes only the two columns on the right. To create a table with the percentages of individuals with high blood pressure, we can take advantage of a unique feature of table-its results are automatically stored in a "collection" and can be easily customized. Specifically, when we create a table using the table command, the results are stored in a collection named Table, and these results replace the results from any previous table command. The collect suite of commands can be used to change the layout, style, and formatting of tables created from results in collection; see [TABLES] Intro to learn about collections of results and creating customized tables. For our table, we will use the collect layout command, which specifies how items from a collection should be arranged. Below, we arrange the percentages in a table with rows defined by the categories of agegrp and columns defined by the categories of sex and category 1 of highbp.

```
. collect layout (agegrp) (highbp[1]#sex)
Collection: Table
            Rows: agegrp
    Columns: highbp[1]#sex
    Table 1: 7 x 2
```

|  | High blood pressure <br> Yes <br> Sex |  |
| :---: | ---: | ---: |
|  | Male |  | Female

## Appending tables

When we specify multiple variables for the row or column specification, the levels of one variable are nested within the levels of another. When you simply wish to join rows or columns from multiple tables, this can be easily done with the append option.

For example, we first create a table with the percentage of males and females in each age group with diabetes.

```
. table (sex agegrp) (diabetes), nototals statistic(percent, across(diabetes))
```

|  | Diabetes <br> No |  |
| :---: | ---: | ---: |
|  | Yes |  |
| Sex |  |  |
| Male |  |  |
| Age group |  |  |
| $20-29$ | 99.64 | 0.36 |
| $30-39$ | 99.61 | 0.39 |
| $40-49$ | 97.38 | 2.62 |
| $50-59$ | 94.68 | 5.32 |
| $60-69$ | 91.96 | 8.04 |
| $70+$ | 88.39 | 11.61 |
| Female |  |  |
| Age group |  |  |
| $20-29$ | 99.09 | 0.91 |
| $30-39$ | 97.88 | 2.12 |
| $40-49$ | 96.07 | 3.93 |
| $50-59$ | 94.19 | 5.81 |
| $60-69$ | 91.42 | 8.58 |
| $70+$ | 89.03 | 10.97 |
|  |  |  |

We want to include the same information for highbp and heartatk in the same table, which indicates whether someone has had a heart attack. To do this, we will run the table command three times, once specifying each of these variables as the column variable. We will use the name (table1) option to specify that the results be stored in a collection named table1. To the second and third table commands, we will add the append option so that all the results are stored in the same collection rather than overriding the results from the previous command.

```
. quietly: table (sex agegrp) (diabetes), nototals
> statistic(percent, across(diabetes)) name(table1)
. quietly: table (sex agegrp) (highbp), nototals
> statistic(percent, across(highbp)) name(table1) append
. quietly: table (sex agegrp) (heartatk), nototals
> statistic(percent, across(heartatk)) name(table1) append
```

With the results from all our table commands stored in one collection, we can again take advantage of the collect layout command to arrange results into a table. We request that sex and agegroup define the rows. By including the \# between variable names, we specify that we want the levels of these variables to be interacted to form the rows. We request that levels of diabetes, highbp, and heartatk form the columns. Because we did not include \# between the variable names, their levels will not be interacted. Instead, they will be listed one after the other.

```
. collect layout (sex#agegrp) (diabetes highbp heartatk)
Collection: table1
    Rows: sex#agegrp
    Columns: diabetes highbp heartatk
    Table 1: 17 x 6
```

|  | Diabetes |  | High blood pressure |  | Prior heart attack |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: |
|  | No | Yes | No | Yes | No | Yes |
| Sex |  |  |  |  |  |  |
| Male |  |  |  |  |  |  |
| Age group |  |  |  |  |  |  |
| 20-29 | 99.64 | 0.36 | 73.92 | 26.08 | 100.00 |  |
| 30-39 | 99.61 | 0.39 | 62.34 | 37.66 | 99.74 | 0.26 |
| 40-49 | 97.38 | 2.62 | 55.08 | 44.92 | 98.03 | 1.97 |
| 50-59 | 94.68 | 5.32 | 42.36 | 57.64 | 92.36 | 7.64 |
| 60-69 | 91.96 | 8.04 | 41.49 | 58.51 | 86.56 | 13.44 |
| 70+ | 88.39 | 11.61 | 32.81 | 67.19 | 83.48 | 16.52 |
| Female |  |  |  |  |  |  |
| Age group |  |  |  |  |  |  |
| 20-29 | 99.09 | 0.91 | 91.61 | 8.39 | 99.92 | 0.08 |
| 30-39 | 97.88 | 2.12 | 80.63 | 19.37 | 99.76 | 0.24 |
| 40-49 | 96.07 | 3.93 | 65.56 | 34.44 | 98.79 | 1.21 |
| 50-59 | 94.19 | 5.81 | 48.62 | 51.38 | 96.66 | 3.34 |
| 60-69 | 91.42 | 8.58 | 41.92 | 58.08 | 94.57 | 5.43 |
| 70+ | 89.03 | 10.97 | 33.46 | 66.54 | 92.01 | 7.99 |

## Multiple tables with specified totals

There may be times when instead of creating one large table for multiple variables, you would prefer to create separate tables for each level of one or more variables or for different statistics. For example, we previously had levels of age group nested within categories of sex. Now, we would like to create tables that show how males and females in each age group rate their own health. The variable hlthstat records how individuals self-rate their health. Let's create a table that shows what percent of males in each age group selected each of the health categories and a separate table to list the percent of females.

```
. table (agegrp) (hlthstat) (sex), statistic(percent, across(hlthstat))
Sex = Male
```

|  |  | Health status |  |  |  |  |
| :---: | ---: | ---: | ---: | ---: | ---: | ---: |
|  | Excellent | Very good | Good | Fair | Poor | Total |
| Age group |  |  |  |  |  |  |
| $20-29$ | 39.61 | 32.71 | 20.97 | 5.82 | 0.90 | 100.00 |
| $30-39$ | 36.88 | 29.61 | 26.10 | 5.84 | 1.56 | 100.00 |
| $40-49$ | 28.03 | 25.90 | 29.51 | 12.30 | 4.26 | 100.00 |
| $50-59$ | 17.80 | 21.30 | 35.11 | 15.97 | 9.82 | 100.00 |
| $60-69$ | 13.33 | 19.56 | 28.94 | 23.00 | 15.16 | 100.00 |
| $70+$ | 14.77 | 14.99 | 26.62 | 28.41 | 15.21 | 100.00 |
| Total | 25.50 | 24.71 | 27.30 | 14.71 | 7.78 | 100.00 |

Sex = Female

|  |  | Health status |  |  |  |  |  |
| :--- | ---: | ---: | ---: | ---: | ---: | ---: | :---: |
|  | Excellent | Very good | Good | Fair | Poor | Total |  |
| Age group |  |  |  |  |  |  |  |
| $20-29$ | 32.39 | 34.55 | 24.92 | 6.98 | 1.16 | 100.00 |  |
| $30-39$ | 29.76 | 30.71 | 28.12 | 9.29 | 2.12 | 100.00 |  |
| $40-49$ | 26.71 | 23.07 | 29.29 | 15.63 | 5.31 | 100.00 |  |
| $50-59$ | 17.15 | 20.93 | 33.43 | 20.20 | 8.28 | 100.00 |  |
| $60-69$ | 10.76 | 20.31 | 33.22 | 25.49 | 10.22 | 100.00 |  |
| $70+$ | 10.78 | 19.14 | 26.39 | 30.48 | 13.20 | 100.00 |  |
| Total | 21.29 | 25.40 | 29.45 | 17.47 | 6.40 | 100.00 |  |

Sex = Total

|  |  | Health status |  |  |  |  |  |
| :--- | ---: | ---: | ---: | ---: | ---: | ---: | :---: |
|  | Excellent | Very good | Good | Fair | Poor | Total |  |
| Age group |  |  |  |  |  |  |  |
| $20-29$ | 35.86 | 33.66 | 23.02 | 6.42 | 1.03 | 100.00 |  |
| $30-39$ | 33.15 | 30.19 | 27.16 | 7.65 | 1.85 | 100.00 |  |
| $40-49$ | 27.34 | 24.43 | 29.39 | 14.03 | 4.81 | 100.00 |  |
| $50-59$ | 17.46 | 21.10 | 34.21 | 18.23 | 9.00 | 100.00 |  |
| $60-69$ | 11.99 | 19.95 | 31.17 | 24.30 | 12.59 | 100.00 |  |
| $70+$ | 12.59 | 17.26 | 26.50 | 29.54 | 14.11 | 100.00 |  |
| Total | 23.29 | 25.07 | 28.43 | 16.16 | 7.05 | 100.00 |  |

We see that $14.77 \%$ of males in their 70s and beyond rated their health as excellent and $10.78 \%$ of females in their 70s and beyond rated their health as excellent.

Note that we actually created three tables, one for males, one for females, and one for everybody. We are mainly interested in the first two tables and would like to drop the third table. But if we use the nototals option, we will not get the row totals we see above. Instead, we can specify which totals we do want with the totals() option:

```
. table (agegrp) (hlthstat) (sex), statistic(percent, across(hlthstat))
> totals(sex#agegrp sex#hlthstat sex)
Sex = Male
```

|  |  | Health status |  |  |  |  |  |
| :--- | ---: | ---: | ---: | ---: | ---: | ---: | :---: |
|  | Excellent | Very good | Good | Fair | Poor | Total |  |
| Age group |  |  |  |  |  |  |  |
| $20-29$ | 39.61 | 32.71 | 20.97 | 5.82 | 0.90 | 100.00 |  |
| $30-39$ | 36.88 | 29.61 | 26.10 | 5.84 | 1.56 | 100.00 |  |
| $40-49$ | 28.03 | 25.90 | 29.51 | 12.30 | 4.26 | 100.00 |  |
| $50-59$ | 17.80 | 21.30 | 35.11 | 15.97 | 9.82 | 100.00 |  |
| $60-69$ | 13.33 | 19.56 | 28.94 | 23.00 | 15.16 | 100.00 |  |
| $70+$ | 14.77 | 14.99 | 26.62 | 28.41 | 15.21 | 100.00 |  |
| Total | 25.50 | 24.71 | 27.30 | 14.71 | 7.78 | 100.00 |  |

Sex = Female

|  |  | Health status |  |  |  |  |
| :--- | ---: | ---: | ---: | ---: | ---: | ---: |
|  | Excellent | Very good | Good | Fair | Poor | Total |
| Age group |  |  |  |  |  |  |
| $20-29$ | 32.39 | 34.55 | 24.92 | 6.98 | 1.16 | 100.00 |
| $30-39$ | 29.76 | 30.71 | 28.12 | 9.29 | 2.12 | 100.00 |
| $40-49$ | 26.71 | 23.07 | 29.29 | 15.63 | 5.31 | 100.00 |
| $50-59$ | 17.15 | 20.93 | 33.43 | 20.20 | 8.28 | 100.00 |
| $60-69$ | 10.76 | 20.31 | 33.22 | 25.49 | 10.22 | 100.00 |
| $70+$ | 10.78 | 19.14 | 26.39 | 30.48 | 13.20 | 100.00 |
| Total | 21.29 | 25.40 | 29.45 | 17.47 | 6.40 | 100.00 |

sex\#agegrp gives us the row totals, the total for each age group within each category of sex. sex\#hlthstat provides us with the column totals, one of which would be the total percent of females that rated their health as excellent. Finally, sex gives us the total in the rightmost cell in the bottom of each table.

In all our previous tables, we used variables to define the rows and columns, but you can also use results in the row, column, and table identifiers. For example, suppose that in addition to reporting percentages for males and females in each age group, we wanted to report frequencies. We can create separate tables for the percentages and frequencies by specifying result in the third set of parentheses. To include the totals for each age group and for each category of sex, we specify the interaction of sex and agegrp in the totals() option:
. table (sex agegrp) (hlthstat) (result), statistic(percent, across(hlthstat))
> statistic (frequency) totals(sex\#agegrp)
Percent

|  | Health status |  |  |  |  |  |
| :---: | ---: | ---: | ---: | ---: | ---: | ---: |
|  | Excellent | Very good | Good | Fair | Poor | Total |
| Sex |  |  |  |  |  |  |
| Male |  |  |  |  |  |  |
| Age group |  |  |  |  |  |  |
| $20-29$ | 39.61 | 32.71 | 20.97 | 5.82 | 0.90 | 100.00 |
| $30-39$ | 36.88 | 29.61 | 26.10 | 5.84 | 1.56 | 100.00 |
| $40-49$ | 28.03 | 25.90 | 29.51 | 12.30 | 4.26 | 100.00 |
| $50-59$ | 17.80 | 21.30 | 35.11 | 15.97 | 9.82 | 100.00 |
| 60-69 | 13.33 | 19.56 | 28.94 | 23.00 | 15.16 | 100.00 |
| $70+$ | 14.77 | 14.99 | 26.62 | 28.41 | 15.21 | 100.00 |
| Female |  |  |  |  |  |  |
| Age group |  |  |  |  |  |  |
| $20-29$ | 32.39 | 34.55 | 24.92 | 6.98 | 1.16 | 100.00 |
| $30-39$ | 29.76 | 30.71 | 28.12 | 9.29 | 2.12 | 100.00 |
| $40-49$ | 26.71 | 23.07 | 29.29 | 15.63 | 5.31 | 100.00 |
| $50-59$ | 17.15 | 20.93 | 33.43 | 20.20 | 8.28 | 100.00 |
| $60-69$ | 10.76 | 20.31 | 33.22 | 25.49 | 10.22 | 100.00 |
| $70+$ | 10.78 | 19.14 | 26.39 | 30.48 | 13.20 | 100.00 |

Frequency

|  |  | Health status |  |  |  |  |  |
| :---: | ---: | ---: | ---: | ---: | ---: | ---: | :---: |
|  | Excellent | Very good | Good | Fair | Poor | Total |  |
| Sex |  |  |  |  |  |  |  |
| Male |  |  |  |  |  |  |  |
| Age group |  |  |  |  |  |  |  |
| $20-29$ | 442 | 365 | 234 | 65 | 10 | 1,116 |  |
| $30-39$ | 284 | 228 | 201 | 45 | 12 | 770 |  |
| $40-49$ | 171 | 158 | 180 | 75 | 26 | 610 |  |
| $50-59$ | 107 | 128 | 211 | 96 | 59 | 601 |  |
| $60-69$ | 182 | 267 | 395 | 314 | 207 | 1,365 |  |
| $70+$ | 66 | 67 | 119 | 127 | 68 | 447 |  |
| Female |  |  |  |  |  |  |  |
| Age group | 390 | 416 | 300 | 84 | 14 | 1,204 |  |
| $20-29$ | 253 | 261 | 239 | 79 | 18 | 850 |  |
| $30-39$ | 176 | 152 | 193 | 103 | 35 | 659 |  |
| $40-49$ | 118 | 144 | 230 | 139 | 57 | 688 |  |
| $50-59$ | 160 | 302 | 494 | 379 | 152 | 1,487 |  |
| $60-69$ | 58 | 103 | 142 | 164 | 71 | 538 |  |
| $70+$ |  |  |  |  |  |  |  |

In the table of frequencies, we see that of the 1,204 females in their 20 s, only 390 rated their health as excellent. In the table of percentages, we see that this is equal to $32.39 \%$ of females in their 20s.

If we wish to include one of these tables, for example, in a paper or on a webpage, we can easily export it in $\mathrm{LA}_{\mathrm{E}} \mathrm{X}$, Word, Excel, HTML, and a variety of other formats by using collect export.

## Stored results

table stores the following in $r()$ :
Scalars
$r(N)$ number of observations

## Reference

McDowell, A., A. Engel, J. T. Massey, and K. Maurer. 1981. Plan and operation of the Second National Health and Nutrition Examination Survey, 1976-1980. Vital and Health Statistics 1(15): 1-144.

## Also see

[R] table - Table of frequencies, summaries, and command results
[R] table intro - Introduction to tables of frequencies, summaries, and command results
[R] table oneway - One-way tabulation
[R] table twoway - Two-way tabulation
[TABLES] Intro - Introduction

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