Title

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mi export nhanes1 — Export mi data to NHANES format

Description

`mi export nhanes1` writes the `mi` data in memory to disk files in nhanes1 format. The files will be named *filenamestub*`.dta`, *filenamestub*`1.dta`, *filenamestub*`2.dta`, and so on. In addition to the variables in the original `mi` data, new variable `seqn` will be added to record the sequence number. After using `mi export nhanes1`, you can use `outfile` (see [D] **outfile**) or `export delimited` (see [D] **import delimited**) to convert the resulting `.dta` files into a format suitable for sending to a non-Stata user. Also see **[U] 21 Entering and importing data**.

`mi export nhanes1` leaves the data in memory unchanged.

Menu

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Syntax

`mi export nhanes1` *filenamestub* [`,` *options odd_options*]

options	Description
`replace`	okay to replace existing files
`uppercase`	uppercase prefix and suffix
`passiveok`	include passive variables

odd_options	Description
`nacode(#)`	not applicable code; default is `0`
`obscode(#)`	observed code; default is `1`
`impcode(#)`	imputed code; default is `2`
`impprefix("`*string*`" "`*string*`")`	variable prefix; default is `"" ""`
`impsuffix("`*string*`" "`*string*`")`	variable suffix; default is `"if" "mi"`

Note: The *odd_options* are not specified unless you want to create results that are nhanes1-like but not really nhanes1 format.

Options

`replace` indicates that it is okay to overwrite existing files.

`uppercase` specifies that the new sequence variable `SEQN` and the variable suffixes `IF` and `MI` be in uppercase. The default is lowercase. (More correctly, when generalizing beyond nhanes1 format, the `uppercase` option specifies that `SEQN` be created in uppercase along with all prefixes and suffixes.)

`passiveok` specifies that passive variables are to be written as if they were imputed variables. The default is to issue an error if passive variables exist in the original data.

`nacode(#)`, `obscode(#)`, and `impcode(#)` are optional and are never specified when reading true nhanes1 data. The default `nacode(0) obscode(1) impcode(2)` corresponds to the nhanes1 definition. These options allow changing the codes for not applicable, observed, and imputed.

`impprefix("`*string*`" "`*string*`")` and `impsuffix("`*string*`" "`*string*`")` are optional and are never specified when reading true nhanes1 data. The default `impprefix("" "") impsuffix("if" "mi")` corresponds to the nhanes1 definition. These options allow setting different prefixes and suffixes.

Remarks and examples

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`mi export nhanes1` is the inverse of `mi import nhanes1`; see [MI] **mi import nhanes1** for a description of the nhanes1 format.

Below we use `mi export nhanes1` to convert `miproto.dta` to nhanes1 format. `miproto.dta` happens to be in wide form, but that is irrelevant.

```
. use http://www.stata-press.com/data/r15/miproto
(mi prototype)
. mi describe
  Style:  wide
          last mi update 20jan2017 14:52:05, approximately 22 hours ago
  Obs.:   complete            1
          incomplete          1  (M = 2 imputations)
          ---------------------
          total               2
  Vars.:  imputed:  1; b(1)
          passive:  1; c(1)
          regular:  1; a
          system:   1; _mi_miss
         (there are no unregistered variables)
. list
```

	a	b	c	_1_b	_2_b	_1_c	_2_c	_mi_miss
1.	1	2	3	2	2	3	3	0
2.	4	.	.	4.5	5.5	8.5	9.5	1

```
. mi export nhanes1 mynh, passiveok replace
files mynh.dta mynh1.dta mynh2.dta created
```

```
. use mynh
(mi prototype)
. list
```

	seqn	a	bif	cif
1.	1	1	1	1
2.	2	4	2	2

```
. use mynh1
(mi prototype)
. list
```

	seqn	a	bmi	cmi
1.	1	1	2	3
2.	2	4	4.5	8.5

```
. use mynh2
(mi prototype)
. list
```

	seqn	a	bmi	cmi
1.	1	1	2	3
2.	2	4	5.5	9.5

Also see

[MI] **intro** — Introduction to mi

[MI] **mi export** — Export mi data

[MI] **mi import nhanes1** — Import NHANES-format data into mi