

## Description

`gencohort` creates a categorical variable indicating the first time period at which units within a group are treated, that is, a cohort variable. Cohort variables created by `gencohort` are meant to be used as inputs for the `hdidregress` and `xthdidregress` commands.

## Quick start

Create a cohort variable with name `mycohort` using group variable `country`, time variable `year`, and binary treatment variable `policy`

```
gencohort mycohort, group(country) time(year) treat(policy)
```

Same as above, but only if outcome variable `y` is positive

```
gencohort mycohort if y>0, group(country) time(year) treat(policy)
```

## Menu

Data > Create or change data > Other variable-creation commands > Create cohort variable

## Syntax

```
gencohort newvar [if] [in], group(groupvar) time(timevar) treat(tvar)
```

*groupvar* is a categorical variable that indicates the group level at which the treatment occurs.

*timevar* is a time variable.

*tvar* must be a binary variable indicating observations subject to treatment.

## Options

### Main

`group(groupvar)` specifies a group variable that indicates the group level at which the treatment occurs. *groupvar* may be, for example, states, counties, or hospitals. `group()` is required.

`time(timevar)` specifies the time variable used to define treatment-time cohorts. `time()` is required.

`treat(tvar)` specifies the binary variable that indicates which observations are subject to treatment. `treat()` is required.

## Remarks and examples

For examples, see *Remarks and examples* in [CAUSAL] `hdidregress` and *Remarks and examples* in [CAUSAL] `xthdidregress`.

## Also see

[CAUSAL] [hdidregress](#) — Heterogeneous difference in differences

[CAUSAL] [xthdidregress](#) — Heterogeneous difference in differences for panel data

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