

# Package ‘CNID’

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**Type** Package

**Title** Get Basic Information from Chinese ID Number

**Version** 1.3.1

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**Description** The Chinese ID number contains a lot of information, this package helps you get the date of birth, age, age based on year, gender, region, zodiac, constellation information from the Chinese ID number.

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**URL** <https://gitlab.com/chuxinyuan/cnid>

**BugReports** <https://gitlab.com/chuxinyuan/cnid/-/issues>

**Depends** R (>= 3.0.0)

**RoxygenNote** 7.2.3

**Suggests** testthat (>= 2.1.0)

**Encoding** UTF-8

**NeedsCompilation** no

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age	<i>Get age information from ID number</i>
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### Description

Get age information from ID number, to the day.

### Usage

```
age(id)
```

### Arguments

id                    A vector of ID numbers.

### Value

Age vector obtained from ID numbers.

### Examples

```
id = c(
  "652801197305161555",
  "130206202202291545",
  "110101841125178"
)
age(id)
```

---

age_by_year	<i>Get age information from ID number</i>
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**Description**

Get age information from ID number, only by year, not the specific date.

**Usage**

```
age_by_year(id)
```

**Arguments**

id                    A vector of ID numbers.

**Value**

Age vector obtained from ID numbers.

**Examples**

```
id = c(
  "652801197305161555",
  "130206202202291545",
  "110101841125178"
)
age_by_year(id)
```

---

birth_date	<i>Get date of birth information from ID number</i>
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---

**Description**

Get date of birth information from ID number.

**Usage**

```
birth_date(id)
```

**Arguments**

id                    A vector of ID numbers.

**Value**

Date of birth vector obtained from ID numbers.

**Examples**

```
id = c(
  "652801197305161555",
  "130206202202291545",
  "110101841125178"
)
birth_date(id)
```

---

birth\_day

*Get day of birth information from ID number*

---

**Description**

Get day of birth information from ID number.

**Usage**

```
birth_day(id)
```

**Arguments**

id                    A vector of ID numbers.

**Value**

Day of birth vector obtained from ID numbers.

**Examples**

```
id = c(
  "652801197305161555",
  "130206202202291545",
  "110101841125178"
)
birth_day(id)
```

---

birth_month	<i>Get month of birth information from ID number</i>
-------------	--

---

**Description**

Get month of birth information from ID number.

**Usage**

```
birth_month(id)
```

**Arguments**

id                    A vector of ID numbers.

**Value**

Month of birth vector obtained from ID numbers.

**Examples**

```
id = c(
  "652801197305161555",
  "130206202202291545",
  "110101841125178"
)
birth_month(id)
```

---

birth_year	<i>Get year of birth information from ID number</i>
------------	---

---

**Description**

Get year of birth information from ID number.

**Usage**

```
birth_year(id)
```

**Arguments**

id                    A vector of ID numbers.

**Value**

Year of birth vector obtained from ID numbers.

**Examples**

```
id = c(
  "652801197305161555",
  "130206202202291545",
  "110101841125178"
)
birth_year(id)
```

---

check_id	<i>Check the ID number for logical errors</i>
----------	---

---

**Description**

Check the ID number for logical errors.

**Usage**

```
check_id(id)
```

**Arguments**

id                    A vector of ID numbers.

**Value**

A vector of TRUE or FALSE.

**Examples**

```
id = c(
  "652801197305161555",
  "130206202202291545",
  "110101841125178"
)
check_id(id)
```

---

cnid_info	<i>Get full information from ID number</i>
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---

**Description**

Get full information from ID number.

**Usage**

```
cnid_info(id)
```

**Arguments**

id                    A vector of ID numbers.

**Value**

A list about date of birth, age, gender, etc. obtained from ID number.

**Examples**

```
id = c(
  "652801197305161555",
  "130206202202291545",
  "110101841125178"
)
cnid_info(id)
```

---

cstl	<i>Get constellation information from ID number</i>
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---

**Description**

Get constellation information from ID number.

**Usage**

```
cstl(id)
```

**Arguments**

id                    A vector of ID numbers.

**Value**

Constellation vector obtained from ID numbers.

**Examples**

```
id = c(
  "652801197305161555",
  "130206202202291545",
  "110101841125178"
)
cstl(id)
```

---

gender

*Get gender information from ID number*

---

**Description**

Get gender information from ID number.

**Usage**

```
gender(id)
```

**Arguments**

id                    A vector of ID numbers.

**Value**

Gender vector obtained from ID numbers.

**Examples**

```
id = c(
  "652801197305161555",
  "130206202202291545",
  "110101841125178"
)
gender(id)
```



---

mdays	<i>Calculate the number of days in a specified year and month</i>
-------	---

---

**Description**

Calculate the number of days in a specified year and month.

**Usage**

```
mdays(month, year = as.integer(format(Sys.Date(), "%Y")))
```

**Arguments**

month	A given month, such as 2.
year	A given year, the default is current year.

**Value**

Days in a specified year and month.

**Examples**

```
mdays(2, 2022)
```

---

region	<i>Get region information from ID number</i>
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---

**Description**

Get region information from ID number.

**Usage**

```
region(id)
```

**Arguments**

id	A vector of ID numbers.
----	-------------------------

**Value**

Region vector obtained from ID numbers.

**Examples**

```
id = c(
  "652801197305161555",
  "130206202202291545",
  "110101841125178"
)
region(id)
```

---

ydays	<i>Calculate the number of days in a specified year</i>
-------	---

---

**Description**

Calculate the number of days in a specified year.

**Usage**

```
ydays(year = as.integer(format(Sys.Date(), "%Y")))
```

**Arguments**

year            A given year, the default is current year.

**Value**

Days in a specified year.

**Examples**

```
ydays(2022)
```

---

zodiac	<i>Get zodiac information from ID number</i>
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---

**Description**

Get zodiac information from ID number.

**Usage**

```
zodiac(id)
```

**Arguments**

id            A vector of ID numbers.

**Value**

Zodiac vector obtained from ID numbers.

**Examples**

```
id = c(
  "652801197305161555",
  "130206202202291545",
  "110101841125178"
)
zodiac(id)
```

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