Package: nhsnumber (via r-universe)

October 19, 2026

Type Package

Title Tools for Working with NHS Number Checksums

Version 0.1.2

Description Provides functions for working with NHS number checksums. The UK's National Health Service issues NHS numbers to all users of its services and this package implements functions for verifying that the numbers are valid according to the checksum scheme the NHS use. Numbers can be validated and checksums created.

URL https://github.com/sellorm/nhsnumber

BugReports https://github.com/sellorm/nhsnumber/issues

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Repository https://sellorm.r-universe.dev

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get_checksum *Calculates NHS number checksums*

Description

NHS numbers are 10 digit numbers where the 10th digit is a checksum. This function takes the 9 core digits of the NHS number and calculates the checksums.

Usage

```
get_checksum(nhs_number, full_output = FALSE)
```

Arguments

nhs_number	A 9 digit NHS numbers to validate
full_output	Boolean that controls display of warning messages

Details

This function has been created using information from: https://en.wikipedia.org/wiki/NHS_number and various NHS sources

Value

Checksum or the complete NHS number including the checksum.

Examples

```
get_checksum(123456788)
get_checksum(123456788, full_output = TRUE)
```

is_number_valid *Checks validity of an NHS number*

Description

NHS numbers are 10 digit numbers where the 10th digit is a checksum. This function validates the checksums of the supplied NHS numbers.

Usage

```
is_number_valid(nhs_number, warn = TRUE)
```

Arguments

nhs_number	A 10 digit NHS number to validate
warn	Boolean that controls display of warning messages

Examples

```
is_valid(1234567881)
is_valid(1234567890, warn = FALSE)
```

`is_valid` *Checks validity of NHS numbers*

Description

NHS numbers are 10 digit numbers where the 10th digit is a checksum. This function validates the checksums of the supplied NHS numbers.

Usage

```
is_valid(nhs_number, warn = TRUE)
```

Arguments

`nhs_number`	A vector of 10 digit NHS numbers to validate
`warn`	Boolean that controls display of warning messages

Value

A logical vector indicating the validity of each input value

Examples

```
is_valid(1234567881)
is_valid(c(1234567881, 1234512345, 123456789))
is_valid(1234567890, warn = FALSE)
```

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