

# Package ‘r4sub’

March 16, 2026

**Title** Easily Install and Load the R4SUB Ecosystem

**Version** 0.1.0

**Description** The 'r4sub' package is a meta-package that installs and loads core packages of the R4SUB (R for Regulatory Submission) clinical submission readiness ecosystem. Loading 'r4sub' attaches 'r4subcore', 'r4subtrace', 'r4subscore', 'r4subrisk', 'r4subdata', and 'r4subprofile'.

**License** MIT + file LICENSE

**URL** <https://github.com/R4SUB/r4sub>

**BugReports** <https://github.com/R4SUB/r4sub/issues>

**Depends** R (>= 4.2)

**Imports** cli, r4subcore, r4subdata, r4subprofile, r4subrisk, r4subscore, r4subtrace, rlang, tibble, utils

**Suggests** testthat (>= 3.0.0)

**Config/testthat/edition** 3

**Encoding** UTF-8

**RoxygenNote** 7.3.3

**NeedsCompilation** no

**Author** Pawan Rama Mali [aut, cre, cph] (ORCID:  
<<https://orcid.org/0000-0001-7864-5819>>)

**Maintainer** Pawan Rama Mali <prm@outlook.in>

**Repository** CRAN

**Date/Publication** 2026-03-16 19:20:02 UTC

## Contents

core_packages . . . . .	2
r4sub_cite . . . . .	2
r4sub_conflicts . . . . .	3
r4sub_news . . . . .	3
r4sub_packages . . . . .	4
r4sub_status . . . . .	4

**Index****6**


---

core_packages	<i>Core R4SUB packages</i>
---------------	----------------------------

---

**Description**

Returns the names of the R4SUB packages that are automatically attached when `library(r4sub)` is called.

**Usage**

```
core_packages()
```

**Value**

A character vector of package names.

**Examples**

```
core_packages()
```

---

r4sub_cite	<i>Cite the R4SUB Ecosystem</i>
------------	---------------------------------

---

**Description**

Prints citation information for the R4SUB ecosystem and each installed core package. Use this when citing R4SUB tools in a regulatory submission document, scientific paper, or validation report.

**Usage**

```
r4sub_cite(package = NULL)
```

**Arguments**

package	Character. Name of a specific R4SUB package to cite. If NULL (default), cites all installed core packages plus the meta-package.
---------	--

**Value**

Invisibly returns a named list of citation objects, one per package. Called for its side effect of printing citation information to the console.

**Examples**

```
r4sub_cite()
r4sub_cite("r4subcore")
```

---

r4sub_conflicts	<i>Show R4SUB Function Conflicts</i>
-----------------	--------------------------------------

---

**Description**

Reports any exported function name collisions between attached R4SUB packages and other loaded packages.

**Usage**

```
r4sub_conflicts()
```

**Value**

A tibble with columns: func, r4sub\_package, other\_package. Returned invisibly. Prints conflicts if any exist.

**Examples**

```
r4sub_conflicts()
```

---

r4sub_news	<i>Show R4SUB Ecosystem News</i>
------------	----------------------------------

---

**Description**

Prints the NEWS entries for each installed R4SUB ecosystem package. Useful for tracking what has changed across the ecosystem after updating.

**Usage**

```
r4sub_news(package = NULL)
```

**Arguments**

package	Character. Name of a specific R4SUB package to show news for. Must be one of the core R4SUB packages. If NULL (default), shows news for all installed core packages.
---------	--

**Value**

Invisibly returns a named list of news database objects, one per package. Called for its side effect of printing NEWS entries to the console.

**Examples**

```
r4sub_news()  
r4sub_news("r4subcore")
```

---

r4sub_packages	<i>List R4SUB Ecosystem Packages</i>
----------------	--------------------------------------

---

**Description**

Returns a tibble of all R4SUB packages with their installed version and current attachment status.

**Usage**

```
r4sub_packages(include_self = TRUE)
```

**Arguments**

`include_self` Logical. If TRUE (default), includes the r4sub meta-package itself in the listing.

**Value**

A tibble with columns: package, version, attached.

**Examples**

```
r4sub_packages()
```

---

r4sub_status	<i>Check R4SUB Package Installation Status</i>
--------------	--

---

**Description**

Reports the installed version of each R4SUB ecosystem package and highlights any packages that are not installed.

**Usage**

```
r4sub_status()
```

**Value**

A tibble with columns: package, installed. Returned invisibly. Called for its side effect of printing installation status to the console.

*r4sub\_status*

5

**Examples**

`r4sub_status()`

# Index

`core_packages`, [2](#)

`r4sub_cite`, [2](#)

`r4sub_conflicts`, [3](#)

`r4sub_news`, [3](#)

`r4sub_packages`, [4](#)

`r4sub_status`, [4](#)