

# Package ‘sitrep’

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**Type** Package

**Title** Report Templates and Helper Functions for Applied Epidemiology

**Version** 0.2.3

**Description** A meta-package that loads the complete sitrep ecosystem for applied epidemiology analysis. This package provides report templates and automatically loads companion packages, including 'epitabulate' (for epidemiological tables), 'epidict' (for data dictionaries), 'epikit' (for epidemiological utilities), and 'apyramid' (for age-sex pyramids). Simply load 'sitrep' to access all functions from the ecosystem.

**License** GPL-3

**URL** <https://github.com/R4EPI/sitrep/>, <https://r4epi.github.io/sitrep/>

**BugReports** <https://github.com/R4EPI/sitrep/issues/>

**Depends** R (>= 3.2)

**Imports** apyramid (>= 0.1.0), epidict (>= 0.1.0), epikit, epitabulate (>= 0.1.0), utils

**Suggests** anthro, binom, broom, clipr, covr, dplyr (>= 0.8.0), flextable, forcats, ggalluvial, ggplot2 (>= 3.0.0), ggspatial, glue, gtsummary (>= 2.0.0), here, janitor, knitr, labelled, lubridate, matchmaker, pacman, parsedate, patchwork, purrr, rio, rlang (>= 0.4.0), rmarkdown, scales, sessioninfo, sf, slider, srvyr, stats, stringr, summarytools, survey, testthat (>= 2.1.0), tibble, tidyr (>= 1.0.0), tidyselect, tsibble, vdiff

**VignetteBuilder** knitr

**Encoding** UTF-8

**RoxygenNote** 7.3.3

**Collate** 'sitrep-package.R' 'check\_templates.R'  
'metapackage\_functions.R'

**NeedsCompilation** no

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available\_sitrep\_templates  
*Display the available sitrep templates*

---

## Description

Display the available sitrep templates

## Usage

```
available_sitrep_templates(categorise = FALSE, ...)
```

## Arguments

|            |  |
|------------|--|
| categorise | if TRUE, the results are split into a list of outbreak and survey categories. Defaults to FALSE. |
| ...        | options to pass on to dir  |

**Value**

a vector of available templates in the sitrep package

**Examples**

```
available_sitrep_templates(categorise = TRUE)
available_sitrep_templates(categorise = TRUE, full.names = TRUE)
```

---

```
check_sitrep_templates
```

*Run the templates found in the sitrep package.*

---

**Description**

Run the templates found in the sitrep package.

**Usage**

```
check_sitrep_templates(
  templates = available_sitrep_templates(),
  path = tempdir(),
  quiet = FALSE,
  progress = FALSE,
  mustwork = FALSE,
  output_format = NULL,
  clean = TRUE
)
```

**Arguments**

|               |   |
|---------------|---|
| templates     | a vector of templates to create and render  |
| path          | a directory in which to store the templates   |
| quiet         | if FALSE (default), a message will be printed for every template.   |
| progress      | if TRUE, then the progress of the template is printed to screen (passed to the quiet argument of <code>rmarkdown::render()</code> ). Defaults to FALSE  |
| mustwork      | if TRUE, then the templates must work for the function to succeed. Defaults to FALSE, which will simply print the errors.   |
| output_format | a character defining the output formats to use for the template files. Defaults to the output_format defined in the templates (which is <code>word_document</code> ), but can be modified to <code>html_document</code> for cross-platform cromulence checking. |
| clean         | if TRUE (default), this will remove the previous output file before rendering.  |

**Value**

the path where the templates were built.

**Examples**

```
check_sitrep_templates("mortality")
```

---

sitrep\_check\_deps      *Check if all sitrep dependencies are available*

---

**Description**

Checks if all packages needed for the sitrep ecosystem are installed and loads properly. Useful for verifying offline readiness.

**Usage**

```
sitrep_check_deps(quiet = FALSE)
```

**Arguments**

quiet                  Should output be suppressed? Default is FALSE

**Value**

Named logical vector indicating which packages are available. Names are package names, values are TRUE if available, FALSE otherwise.

**Examples**

```
# Check what's missing before going offline
sitrep_check_deps()
```

---

sitrep\_conflicts      *Check for function conflicts in sitrep ecosystem*

---

**Description**

This function identifies any naming conflicts between functions in the sitrep ecosystem packages.

**Usage**

```
sitrep_conflicts()
```

**Value**

NULL (invisibly). Prints messages about conflicts to console.

---

sitrep\_functions      *List all functions in sitrep ecosystem*

---

**Description**

Shows all available functions across the sitrep ecosystem packages.

**Usage**

```
sitrep_functions(pattern = NULL)
```

**Arguments**

pattern              Optional regex pattern to filter function names

**Value**

A data frame with columns 'package' and 'function\_name', sorted by package and function name.

---

sitrep\_install\_deps      *Install all sitrep ecosystem dependencies for offline use*

---

**Description**

This function provides code to install all packages needed for the complete sitrep ecosystem, ensuring you have everything needed for working without internet connection.

**Usage**

```
sitrep_install_deps(
  upgrade = "ask",
  dependencies = TRUE,
  repos = getOption("repos"),
  quiet = FALSE,
  force = FALSE
)
```

**Arguments**

upgrade              Should packages be upgraded? Options: "ask", "always", "never". Default is "ask"

dependencies        Should dependencies be installed? Default is TRUE

repos                Repository to use. Default uses getOption("repos")

quiet                Should installation be quiet? Default is FALSE

force                Should installation proceed without prompts? Default is FALSE

**Details**

This function reads the sitrep DESCRIPTION file and provides code to install all packages listed in Depends, Imports, and Suggests fields. This ensures complete functionality in offline environments.

**Value**

Character vector of all dependency package names (invisibly).

**Examples**

```
# Install everything for offline field work (with prompts)
sitrep_install_deps()

# Install without prompts
sitrep_install_deps(force = TRUE)

# Install quietly without prompts or upgrades
sitrep_install_deps(upgrade = "never", quiet = TRUE, force = TRUE)
```

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