

# Package: sitrep (via r-universe)

July 27, 2024

**Type** Package

**Title** Report templates and helper functions for applied epidemiology

**Version** 0.2.3

**Description** Report templates and helper functions for applied epidemiology

**License** GPL-3

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

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

**Depends** R (>= 3.2)

**Imports** anthro, apyramid (>= 0.1.0), binom, broom, clipr, cli, dplyr (>= 0.8.0), epitabulate (>= 0.0.0.9007), epidict (>= 0.0.0.9001), epikit (>= 0.1.4), forcats, flextable, ggalluvial, ggplot2 (>= 3.0.0), ggspatial, gtsummary, glue, here, janitor, knitr, labelled, lubridate, matchmaker, pacman, parsedate, patchwork, purrr, rio, rlang (>= 0.4.0), rmarkdown, rstudioapi, scales, sf, slider, srvyr, stats, stringr, survey, tibble, tidyr (>= 1.0.0), tidyselect, tsibble, utils

**Suggests** testthat (>= 2.1.0), sessioninfo, vdiff, covr, summarytools

**Remotes** R4EPI/apyramid, R4EPI/epitabulate, R4EPI/epidict, R4EPI/epikit

**Additional\_repositories** <https://r4epi.github.io/drat>

**Encoding** UTF-8

**LazyData** true

**Roxygen** list(markdown = TRUE)

**RoxygenNote** 7.2.3

**Collate** 'sitrep-package.R' 'check\_templates.R' 'apyramid\_exports.R' 'epidict\_exports.R' 'epikit\_exports.R' 'epitabulate\_exports.R' 'AJS\_linelist\_internal.R' 'AJS\_pop\_internal.R' 'shape\_quartier\_internal.R' 'shape\_block\_internal.R' 'download\_datasets.R'

**Repository** <https://zkamvar.r-universe.dev>

**RemoteUrl** <https://github.com/r4epi/sitrep>

**RemoteRef** HEAD

**RemoteSha** b96906b87b3bb4f4d9f8b1112ad723a286c9e6c6

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age_pyramid	<i>Functions re-exported from apyramid</i>
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### Description

Functions re-exported from apyramid

### Usage

age\_pyramid

### Format

An object of class function of length 1.

### See Also

**apyramid** functions:

- `apyramid::age_pyramid()`: Plot a population pyramid (age-sex) from a dataframe

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AJS\_linelist\_internal *Example outbreak data for Hepatitis E virus or Acute Jaundice Syndrome (AJS)*

---

### Description

Data from a real outbreak of Hepatitis E virus (HEV) infection which occurred in the Chadian town of Am Timan between October 2016 and April 2017. The Chadian Ministry of Health (MoH) has approved the use of this data for training purposes. Please note, that some data has been adapted in order to best achieve training objectives. Also, the GPS coordinates included in the dataset do not correspond to real cases identified during this outbreak. They have been generated exclusively for training purposes.

### Usage

```
data(AJS_linelist_internal)
```

### Format

An object of class "cross"; see [read.cross](#).

### Source

[Article](#)

### References

None ([PLoS](#))

### Examples

```
data(AJS_linelist_internal)
head(AJS_linelist_internal)
```

---

AJS\_pop\_internal *Example population data for Hepatitis E virus or Acute Jaundice Syndrome (AJS)*

---

### Description

Population data from a real outbreak of Hepatitis E virus (HEV) infection which occurred in the Chadian town of Am Timan between October 2016 and April 2017. The Chadian Ministry of Health (MoH) has approved the use of this data for training purposes. Please note, that some data has been adapted in order to best achieve training objectives. Also, the GPS coordinates included in the dataset do not correspond to real cases identified during this outbreak. They have been generated exclusively for training purposes.

**Usage**

```
data(AJS_pop_internal)
```

**Format**

An object of class "cross"; see [read.cross](#).

**Source**

[Article](#)

**References**

None ([PLoS](#))

**Examples**

```
data(AJS_pop_internal)
head(AJS_pop_internal)
```

---

```
available_sitrep_templates
```

*Display the available sitrep templates*

---

**Description**

Display the available sitrep templates

**Usage**

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

**Arguments**

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

**Value**

a vector of available templates in the sitrep package

**Examples**

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

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download_kobo	<i>Access kobo data dictionary</i>
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**Description**

Access kobo data dictionary

**Usage**

```
download_kobo(path = rstudioapi::selectDirectory())
```

**Arguments**

path	<b>Run with no arguments to pick a directory interactively.</b> Path on your computer where the file(s) should be saved to <i>string</i>
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download_outbreak_linelist	<i>Access AJS outbreak linelist</i>
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**Description**

Access AJS outbreak linelist

**Usage**

```
download_outbreak_linelist(path = rstudioapi::selectDirectory())
```

**Arguments**

path	<b>Run with no arguments to pick a directory interactively.</b> Path on your computer where the file(s) should be saved to <i>string</i>
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---

download\_outbreak\_pop *Access AJS outbreak population data*

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### Description

Access AJS outbreak population data

### Usage

```
download_outbreak_pop(path = rstudioapi::selectDirectory())
```

### Arguments

path            **Run with no arguments to pick a directory interactively.** Path on your computer where the file(s) should be saved to *string*

---

download\_shape\_block *Access Am Timan blocks shapefile*

---

### Description

Access Am Timan blocks shapefile

### Usage

```
download_shape_block(path = rstudioapi::selectDirectory())
```

### Arguments

path            **Run with no arguments to pick a directory interactively.** Path on your computer where the file(s) should be saved to *string*

---

download\_shape\_quartier

*Access Am Timan quartier shapefile*

---

### **Description**

Access Am Timan quartier shapefile

### **Usage**

```
download_shape_quartier(path = rstudioapi::selectDirectory())
```

### **Arguments**

path            **Run with no arguments to pick a directory interactively.** Path on your computer where the file(s) should be saved to *string*

---

download\_survey

*Access fake mortality survey data*

---

### **Description**

Access fake mortality survey data

### **Usage**

```
download_survey(path = rstudioapi::selectDirectory())
```

### **Arguments**

path            **Run with no arguments to pick a directory interactively.** Path on your computer where the file(s) should be saved to *string*

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generic_download	<i>Internal function (not exported - i.e. not userfacing) to reduce code duplication</i>
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### Description

Internal function (not exported - i.e. not userfacing) to reduce code duplication

### Usage

```
generic_download(path = rstudioapi::selectDirectory(), dataset)
```

### Arguments

path	<b>Run with no arguments to pick a directory interactively.</b> Path on your computer where the file(s) should be saved to <i>string</i>
dataset	The name of the file to save

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shape_block_internal	<i>Quartier shapefile for example outbreak Hepatitis E virus or Acute Jaundice Syndrome (AJS)</i>
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### Description

Shapefile for blocks (polygons) from a real outbreak of Hepatitis E virus (HEV) infection which occurred in the Chadian town of Am Timan between October 2016 and April 2017. The Chadian Ministry of Health (MoH) has approved the use of this data for training purposes. Please note, that some data has been adapted in order to best achieve training objectives. Also, the GPS coordinates included in the dataset do not correspond to real cases identified during this outbreak. They have been generated exclusively for training purposes.

### Usage

```
data(shape_block_internal)
```

### Format

An object of class "cross"; see [read.cross](#).

### Source

[Article](#)

### References

None ([PLoS](#))



**Examples**

```
data(shape_block_internal)
head(shape_block_internal)
```

---

```
shape_quartier_internal
```

*Quartier shapefile for example outbreak Hepatitis E virus or Acute Jaundice Syndrome (AJS)*

---

**Description**

Shapefile for quartier (polygons) from a real outbreak of Hepatitis E virus (HEV) infection which occurred in the Chadian town of Am Timan between October 2016 and April 2017. The Chadian Ministry of Health (MoH) has approved the use of this data for training purposes. Please note, that some data has been adapted in order to best achieve training objectives. Also, the GPS coordinates included in the dataset do not correspond to real cases identified during this outbreak. They have been generated exclusively for training purposes.

**Usage**

```
data(shape_quartier_internal)
```

**Format**

An object of class "cross"; see [read.cross](#).

**Source**

[Article](#)

**References**

None ([PLoS](#))

**Examples**

```
data(shape_quartier_internal)
head(shape_quartier_internal)
```

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