

# Package ‘readapra’

January 21, 2025

**Title** Download and Tidy Data from the Australian Prudential Regulation Authority

**Version** 0.2.0

**Description** Download the latest data from the Australian Prudential Regulation Authority <<https://www.apra.gov.au/>> and import it into R as a tidy data frame.

**License** MIT + file LICENSE

**Encoding** UTF-8

**LazyData** true

**Suggests** openxlsx, readr, testthat (>= 3.0.0), webmockr, withr

**Config/testthat/edition** 3

**URL** <https://github.com/javanderwal/readapra>

**BugReports** <https://github.com/javanderwal/readapra/issues>

**Imports** cli (>= 3.0.0), dplyr (>= 1.0.0), httr (>= 1.0.0), janitor, lubridate (>= 1.0.0), memoise, polite (>= 0.1.0), purrr (>= 1.0.0), ratelimitr, rlang (>= 1.0.0), robotstxt, rvest (>= 1.0.0), stringdist, stringr (>= 1.0.0), tibble (>= 2.0.0), tidyr (>= 1.0.0), tidyselect (>= 1.0.0), tidyxl (>= 1.0.0), utils

**Depends** R (>= 3.5)

**RoxygenNote** 7.3.2

**NeedsCompilation** no

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**Repository** CRAN

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## Contents

apra_stat_pubs	2
download_apra	2
read_apra	3
read_apra_local	4

<b>Index</b>	<b>6</b>
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apra_stat_pubs	<i>Statistical Publications Produced by APRA</i>
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### Description

This dataset contains a record of all statistical publications produced by APRA that are available in readapra.

### Usage

```
apra_stat_pubs
```

### Format

A data frame with 7 rows and 3 variables:

**stat\_pub\_name** the full name of the statistical publication.

**stat\_pub\_acronym** the acronym of the statistical publication.

**cur\_hist** available current and historical versions of the statistical publication.

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download_apra	<i>Download a Statistical Publication File from APRA's Website</i>
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### Description

Download a statistical publication file from APRA's website. By default files are saved to a temporary directory.

### Usage

```
download_apra(
  stat_pub,
  cur_hist = "current",
  path = tempdir(),
  overwrite = TRUE,
  quiet = FALSE,
  ...
)
```

**Arguments**

stat_pub	character vector detailing a statistical publication to be downloaded. Must match a valid value in the <code>apra_stat_pubs_acronym</code> variable of the <a href="#">apra_stat_pubs</a> dataset.
cur_hist	character vector detailing whether to download a current or historic statistical publication. Must match a valid value in the <code>cur_hist</code> variable of the <a href="#">apra_stat_pubs</a> dataset.
path	path to where the downloaded file should be saved. Uses <code>base::tempdir()</code> by default.
overwrite	whether to overwrite a previously downloaded statistical publication file when re-running this function.
quiet	whether to suppress the download progress bar.
...	additional arguments to be passed to <code>utils::download.file()</code> .

**Value**

A character vector detailing the file path to the downloaded file.

**Examples**

```
# Download a statistical publication file:
download_path <-
  download_apra(stat_pub = "qadips", cur_hist = "current")

# View the file path of the statistical publication file:
print(download_path)
```

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read\_apra

*Read APRA's Statistical Publications*


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**Description**

Download and import a specific statistical publication produced by APRA.

Please consult the [apra\\_stat\\_pubs](#) dataset to see which of APRA's statistical publications are available in `readapra`.

**Usage**

```
read_apra(
  stat_pub,
  cur_hist = "current",
  path = tempdir(),
  quiet = FALSE,
  overwrite = TRUE,
  ...
)
```

### Arguments

stat_pub	character vector detailing a statistical publication to be downloaded and imported. Must match a valid value in the apra_stat_pubs_acronym variable of the <a href="#">apra_stat_pubs</a> dataset.
cur_hist	character vector detailing whether to download and import a current or historic statistical publication. Must match a valid value in the cur_hist variable of the <a href="#">apra_stat_pubs</a> dataset.
path	path to where the downloaded file should be saved. Uses <code>base::tempdir()</code> by default.
quiet	whether to suppress the download progress bar.
overwrite	whether to overwrite a previously downloaded statistical publication file when re-running this function.
...	additional arguments to be passed to <code>utils::download.file()</code> .

### Value

A tibble containing the statistical publication data.

### Examples

```
# Download and import the current MADIS data:
current_madis_data <-
  read_apra(stat_pub = "madis", cur_hist = "current")

# Examine the current MADIS data:
print(current_madis_data)
```

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read\_apra\_local      *Read APRA Publication Statistics Locally*

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### Description

Import from a local file a specific statistical publication produced by APRA.

Please consult the [apra\\_stat\\_pubs](#) dataset to see which of APRA's statistical publications are available in readapra.

### Usage

```
read_apra_local(file_path, stat_pub, cur_hist = "current")
```

**Arguments**

<code>file_path</code>	path to the local file from which the statistical publication data will be imported.
<code>stat_pub</code>	character vector detailing a statistical publication to be imported. Must match a valid value in the <code>apra_stat_pubs_acronym</code> variable of the <a href="#">apra_stat_pubs</a> dataset.
<code>cur_hist</code>	character vector detailing whether to import a current or historic statistical publication. Must match a valid value in the <code>cur_hist</code> variable of the <a href="#">apra_stat_pubs</a> dataset.

**Value**

A tibble containing the statistical publication data.

**Examples**

```
# Download the current MADIS data and get the file path:
current_madis_file_path <-
  download_apra(stat_pub = "madis", cur_hist = "current")

# Import the current MADIS data:
current_madis_data <-
  read_apra_local(
    stat_pub = "madis",
    cur_hist = "current",
    file_path = current_madis_file_path
  )

# Examine the current MADIS data:
print(current_madis_data)
```

# Index

## \* datasets

apra\_stat\_pubs, 2

apra\_stat\_pubs, 2, 3–5

base::tempdir(), 3, 4

download\_apra, 2

read\_apra, 3

read\_apra\_local, 4

utils::download.file(), 3, 4