Package: fingertipsR (via r-universe)

October 29, 2026

Type Package

Version 1.1.0

Title Fingertips Data for Public Health

Description Fingertips (<http://fingertips.phe.org.uk/>) contains data for many indicators of public health in England. The underlying data is now more easily accessible by making use of the API.

Maintainer Sam Dunn <sam.dunn@dhsc.gov.uk>

Depends R (>= 3.4.0)

URL https://fingertips.phe.org.uk, https://github.com/ropensci/fingertipsR, https://docs.ropensci.org/fingertipsR/

BugReports https://github.com/ropensci/fingertipsR/issues

Imports curl, dplyr, DT, httr, jsonlite, miniUI, readr, rlang, shiny, shinycssloaders

Suggests ggplot2, knitr, pander, rmarkdown, testthat (>= 3.0.0)

Config/Needs/website Cairo, cowplot

VignetteBuilder knitr

License GPL-3

Encoding UTF-8

LazyData true

RoxygenNote 7.3.2

Config/testthat/edition 3

Config/pak/sysreqs cmake make libuv1-dev libssl-dev libx11-dev zlib1g-dev

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

Date/Publication 2025-10-16 09:57:18 UTC

RemoteUrl https://github.com/ropensci/fingertipsR

RemoteRef HEAD

RemoteSha fb4851919000ca75a2ac5a7a95abd5e1571d92ec

Contents

area_types . . . 2
category_types . . . 4
deprivation_decile . . . 5
fingertips_data . . . 6
fingertips_endpoint . . . 8
fingertips_redred . . . 8
fingertips_stats . . . 9
fingertipsR . . . 9
get_fingertips_api . . . 10
indicator_areatypes . . . 10
indicator_metadata . . . 11
indicator_order . . . 12
indicator_update_information . . . 14
indicators . . . 15
indicators_unique . . . 16
nearest_neighbour_areatypeids . . . 17
nearest_neighbours . . . 17
profiles . . . 19
select_indicators . . . 20

Index **21**

`area_types` *Area types*

Description

Outputs a data frame of area type ids, their descriptions, and how they map to parent area types. To understand more on mappings of areas, see the Where to start section of the Life Expectancy vignette.

Usage

```
area_types(
  AreaTypeName = NULL,
  AreaTypeID = NULL,
  ProfileID = NULL,
  proxy_settings = fingertips_proxy_settings(),
  path
)
```

Arguments

AreaTypeName	Character vector, description of the area type; default is NULL
AreaTypeID	Numeric vector, the Fingertips ID for the area type; default is NULL
ProfileID	Numeric vector, id of profiles of interest
proxy_settings	string; whether to use Internet Explorer proxy settings "default" or "none". Setting this manually will decrease runtime; default determined automatically.
path	String; Fingertips API address. Function will default to the correct address

Value

A data frame of area type ids and their descriptions

See Also

indicators for indicator lookups, profiles for profile lookups, deprivation_decile for deprivation decile lookups, category_types for category lookups, indicator_areatypes for indicators by area types lookups, indicators_unique for unique indicatorids and their names, nearest_neighbours for a vector of nearest neighbours for an area and indicator_order for the order indicators are presented on the Fingertips website within a Domain

Other lookup functions: category_types(), deprivation_decile(), indicator_areatypes(), indicator_metadata(), indicator_order(), indicators(), indicators_unique(), nearest_neighbours(), profiles()

Examples

```
## Not run:
# Returns a data frame with all levels of area and how they map to one another
area_types()

# Returns a data frame of county and unitary authority mappings
area_types("counties")

# Returns a data frame of both counties, district
# and unitary authorities and their respective mappings
areas <- c("counties", "district")
area_types(areas)

# Uses AreaTypeID to filter area types
area_types(AreaTypeID = 7)
## End(Not run)
```

`category_types` *Category types*

Description

Outputs a data frame of category type ids, their name (along with a short name)

Usage

```
category_types(proxy_settings = fingertips_proxy_settings(), path)
```

Arguments

`proxy_settings`	string; whether to use Internet Explorer proxy settings "default" or "none". Setting this manually will decrease runtime; default determined automatically.
`path`	String; Fingertips API address. Function will default to the correct address

Value

A data frame of category type ids and their descriptions

See Also

`indicators` for indicator lookups, `profiles` for profile lookups, `deprivation_decile` for deprivation decile lookups, `area_types` for area type lookups, `indicator_areatypes` for indicators by area types lookups, `indicators_unique` for unique indicatorids and their names, `nearest_neighbours` for a vector of nearest neighbours for an area and `indicator_order` for the order indicators are presented on the Fingertips website within a Domain

Other lookup functions: `area_types()`, `deprivation_decile()`, `indicator_areatypes()`, `indicator_metadata()`, `indicator_order()`, `indicators()`, `indicators_unique()`, `nearest_neighbours()`, `profiles()`

Examples

```
## Not run:
# Returns the deprivation category types
cats <- category_types()
cats[cats$CategoryTypeId == 1,]
## End(Not run)
```

`deprivation_decile` *Deprivation deciles*

Description

Outputs a data frame allocating deprivation decile to area code based on the Indices of Multiple Deprivation (IMD) produced by Department of Communities and Local Government

Usage

```
deprivation_decile(
  AreaTypeID,
  Year = 2019,
  proxy_settings = fingertips_proxy_settings(),
  path
)
```

Arguments

`AreaTypeID`	Integer value; this function uses the IndicatorIDs 91872, 93275 and 93553, please use the `indicator_areatypes()` function to see what AreaTypeIDs are available
`Year`	Integer value, representing the year of IMD release to be applied, limited to 2015 or 2019
`proxy_settings`	string; whether to use Internet Explorer proxy settings "default" or "none". Setting this manually will decrease runtime; default determined automatically.
`path`	String; Fingertips API address. Function will default to the correct address

Details

This function uses the fingertips_data function to filter for the Index of multiple deprivation score for the year and area supplied, and returns the area code, along with the score and the deprivation decile, which is calculated using the ntile function from dplyr

Value

A lookup table providing deprivation decile and area code

See Also

`indicators` for indicator lookups, `profiles` for profile lookups, `indicator_metadata` for the metadata for each indicator, `area_types` for area types and their parent mappings, `category_types` for category lookups, `indicator_areatypes` for indicators by area types lookups, `indicators_unique` for unique indicatorids and their names, `nearest_neighbours` for a vector of nearest neighbours for an area and `indicator_order` for the order indicators are presented on the Fingertips website within a Domain

Other lookup functions: `area_types()`, `category_types()`, `indicator_areatypes()`, `indicator_metadata()`, `indicator_order()`, `indicators()`, `indicators_unique()`, `nearest_neighbours()`, `profiles()`

Examples

```
## Not run:
# Return 2019 deprivation scores for Upper tier local authorities (post 4/23)
deprivation_decile(502, 2019)
## End(Not run)
```

`fingertips_data` *Fingertips data*

Description

Outputs a data frame of data from Fingertips. Note, this function can take up to a few minutes to run (depending on internet connection speeds and parameter selection).

Usage

```
fingertips_data(
  IndicatorID = NULL,
  AreaCode = NULL,
  DomainID = NULL,
  ProfileID = NULL,
  AreaTypeID,
  ParentAreaTypeID = NULL,
  categorytype = FALSE,
  rank = FALSE,
  url_only = FALSE,
  proxy_settings = fingertips_proxy_settings(),
  path
)
```

Arguments

`IndicatorID`	Numeric vector, id of the indicator of interest
`AreaCode`	Character vector, ONS area code of area of interest
`DomainID`	Numeric vector, id of domains of interest
`ProfileID`	Numeric vector, id of profiles of interest. Indicator polarity can vary between profiles therefore if using one of the comparison fields it is recommended to complete this field as well as IndicatorID. If IndicatorID is populated, ProfileID can be ignored or must be the same length as IndicatorID (but can contain NAs).
`AreaTypeID`	Numeric vector, the Fingertips ID for the area type. This argument accepts "All", which returns data for all available area types for the indicator(s), though this can take a long time to run
`ParentAreaTypeID`	Numeric vector, the comparator area type for the data extracted; if NULL the function will use the first record for the specified 'AreaTypeID' from the area_types() function

categorytype	TRUE or FALSE, determines whether the final table includes categorytype data where it exists. Default to FALSE
rank	TRUE or FALSE, the rank of the area compared to other areas for that combination of indicator, sex, age, categorytype and category along with the indicator's polarity. 1 is lowest NAs will be bottom and ties will return the average position. The total count of areas with a non-NA value are returned also in AreaValuesCount
url_only	TRUE or FALSE, return only the url of the api call as a character vector
proxy_settings	string; whether to use Internet Explorer proxy settings "default" or "none". Setting this manually will decrease runtime; default determined automatically.
path	String; Fingertips API address. Function will default to the correct address

Details

Note, polarity of an indicator is not automatically returned (eg, whether a low value is good, bad or neither). Use the rank field for this to be returned (though it adds a lot of time to the query)

Some indicators may have different comparisons due to indicator polarity differences between profiles on the website. It is recommended to check the website to ensure consistency between your data extract here and the polarity required

Value

A data frame of data extracted from the Fingertips API

See Also

Other data extract functions: `fingertips_redred()`

Examples

```
## Not run:
# Returns data for the two selected domains at county and unitary authority geography
doms <- c(1000049,1938132983)
fingdata <- fingertips_data(DomainID = doms, AreaTypeID = 502)

# Returns data at local authority district geography (AreaTypeID = 501)
# for the indicator with the id 22401
fingdata <- fingertips_data(22401, AreaTypeID = 501)

# Returns data for all available area types for an indicator
fingdata <- fingertips_data(90362, AreaTypeID = "All")
## End(Not run)
```

fingertips_endpoint *Get the default fingertips API endpoint*

Description

Get the default fingertips API endpoint

Usage

```
fingertips_endpoint()
```

Value

A character string with the HTTP URL of the Fingertips API

fingertips_redred *Red significance and red trend*

Description

Filters data returned by the fingertips_data function for values for areas that are trending statistically significantly worse and the spot value is significantly worse than the comparator (England or Parent) value in the latest year of that indicator

Usage

```
fingertips_redred(Comparator = "England", ...)
```

Arguments

Comparator	String, either "England" or "Parent" to determine which field to compare the spot value significance to
...	Parameters provided to fingertips_data()

Value

A data frame of data extracted from the Fingertips API

See Also

Other data extract functions: fingertips_data()

Examples

```
## Not run:
# Returns data for the two selected domains at county and unitary authority geography
reddata <- fingertips_redred(ProfileID = 26, AreaTypeID = 502)
## End(Not run)
```

`fingertips_stats` *High level statistics on Fingertips data*

Description

A sentence that summarises the number of indicators, unique indicators and profiles

Usage

```
fingertips_stats(proxy_settings = fingertips_proxy_settings())
```

Arguments

`proxy_settings`	string; whether to use Internet Explorer proxy settings "default" or "none". Setting this manually will decrease runtime; default determined automatically.

Value

A string that summarises the high level statistics of indicators and profiles in Fingertips

Examples

```
## Not run:
# Returns a sentence describing number of indicators and profiles in Fingertips
fingertips_stats()
## End(Not run)
```

`fingertipsR` *fingertipsR: A package for extracting the data behind the Fingertips website (https://fingertips.phe.org.uk/)*

Description

The fingertipsR package provides two categories of important functions: lookup and data extract.

Lookup functions

The lookup functions are to provide users the ability to understand the ID inputs for the data extract functions.

Data extract functions

Using ID codes as inputs, the data extract functions allow the user to extract data from the Fingertips API.

get_fingertips_api *Retrieve data from a given Fingertips API url*

Description

Retrieve data from a given Fingertips API url

Usage

```
get_fingertips_api(
  api_path,
  content_type = "text",
  col_types,
  proxy_settings = fingertips_proxy_settings()
)
```

Arguments

api_path	string; the API url to retrieve data from
content_type	string; "text" or "parsed"
col_types	character; vector of column classes
proxy_settings	string; whether to use Internet Explorer proxy settings ("default") or "none"

Examples

```
df <- get_fingertips_api(
  api_path = paste0(
    fingertips_endpoint(),
    "/area/parent_areas?child_area_code=E12000005&parent_area_type_ids=15"))
```

indicator_areatypes *Area types by indicator*

Description

Outputs a data frame of indicator ids and the area type ids that exist for that indicator

Usage

```
indicator_areatypes(
  IndicatorID,
  AreaTypeID,
  proxy_settings = fingertips_proxy_settings(),
  path
)
```

Arguments

IndicatorID	integer; the Indicator ID (can be ignored or of length 1). Takes priority over AreaTypeID if both are entered
AreaTypeID	integer; the Area Type ID (can be ignored or of length 1)
proxy_settings	string; whether to use Internet Explorer proxy settings "default" or "none". Setting this manually will decrease runtime; default determined automatically.
path	String; Fingertips API address. Function will default to the correct address

Value

A data frame of indicator ids and area type ids

See Also

indicators for indicator lookups, profiles for profile lookups, deprivation_decile for deprivation decile lookups, area_types for area type lookups, category_types for category type lookups, indicators_unique for unique indicatorids and their names, nearest_neighbours for a vector of nearest neighbours for an area and indicator_order for the order indicators are presented on the Fingertips website within a Domain

Other lookup functions: area_types(), category_types(), deprivation_decile(), indicator_metadata(), indicator_order(), indicators(), indicators_unique(), nearest_neighbours(), profiles()

Examples

```
## Not run:
indicator_areatypes(IndicatorID = 90362)
## End(Not run)
```

---

indicator_metadata *Indicator metadata*

Description

Outputs a data frame containing the metadata for selected indicators. Note, this function can take up to a few minutes to run (depending on internet connection speeds)

Usage

```
indicator_metadata(
  IndicatorID = NULL,
  DomainID = NULL,
  ProfileID = NULL,
  proxy_settings = fingertips_proxy_settings(),
  path
)
```

Arguments

IndicatorID	Numeric vector, id of the indicator of interest. Also accepts "All".
DomainID	Numeric vector, id of domains of interest
ProfileID	Numeric vector, id of profiles of interest. Indicator polarity can vary between profiles therefore if using one of the comparison fields it is recommended to complete this field as well as IndicatorID. If IndicatorID is populated, ProfileID can be ignored or must be the same length as IndicatorID (but can contain NAs).
proxy_settings	string; whether to use Internet Explorer proxy settings "default" or "none". Setting this manually will decrease runtime; default determined automatically.
path	String; Fingertips API address. Function will default to the correct address

Value

The metadata associated with each indicator/domain/profile identified

See Also

indicators for indicator lookups, profiles for profile lookups, deprivation_decile for deprivation lookups, area_types for area types and their parent mappings, category_types for category lookups, indicator_areatypes for indicators by area types lookups, indicators_unique for unique indicatorids and their names, nearest_neighbours for a vector of nearest neighbours for an area and indicator_order for the order indicators are presented on the Fingertips website within a Domain

Other lookup functions: area_types(), category_types(), deprivation_decile(), indicator_areatypes(), indicator_order(), indicators(), indicators_unique(), nearest_neighbours(), profiles()

Examples

```
## Not run:
# Returns metadata for indicator ID 90362 and 92901
indicatorIDs <- c(90362, 92901)
indicator_metadata(indicatorIDs)

# Returns metadata for the indicators within the domain 1000049
indicator_metadata(DomainID = 1000049)

# Returns metadata for the indicators within the profile with the ID 19
indicator_metadata(ProfileID = 19)
## End(Not run)
```

---

indicator_order *Indicator order number*

Description

Outputs a tibble of indicator ids and their sequence number for the provided domain and area type. This enables the user to order the indicators as they are ordered on the Fingertips website.

Usage

```
indicator_order(
  DomainID,
  AreaTypeID,
  ParentAreaTypeID,
  proxy_settings = fingertips_proxy_settings(),
  path
)
```

Arguments

DomainID	Numeric vector, id of domains of interest
AreaTypeID	Numeric vector, the Fingertips ID for the area type. This argument accepts "All", which returns data for all available area types for the indicator(s), though this can take a long time to run
ParentAreaTypeID	Numeric vector, the comparator area type for the data extracted; if NULL the function will use the first record for the specified 'AreaTypeID' from the area_types() function
proxy_settings	string; whether to use Internet Explorer proxy settings "default" or "none". Setting this manually will decrease runtime; default determined automatically.
path	String; Fingertips API address. Function will default to the correct address

Value

A data frame of indicator ids and sequence number

See Also

indicators for indicators and their parent domains and profiles, area_types for area type and their parent mappings, indicator_metadata for indicator metadata, profiles for profile lookups, deprivation_decile for deprivation decile lookups, category_types for category lookups, indicator_areatypes for indicators by area types lookups and nearest_neighbours for a vector of nearest neighbours for an area

Other lookup functions: area_types(), category_types(), deprivation_decile(), indicator_areatypes(), indicator_metadata(), indicators(), indicators_unique(), nearest_neighbours(), profiles()

Examples

```
## Not run:
indicator_order(DomainID = 1000049, AreaTypeID = 502, ParentAreaTypeID = 6)
## End(Not run)
```

`indicator_update_information` *Indicator update information*

Description

Outputs a data frame which provides a date of when an indicator was last update

Usage

```
indicator_update_information(
  IndicatorID,
  ProfileID = NULL,
  proxy_settings = fingertips_proxy_settings(),
  path
)
```

Arguments

`IndicatorID`	Integer, id of the indicators of interest
`ProfileID`	Integer (optional), whether to restrict the indicators to a particular profile
`proxy_settings`	string; whether to use Internet Explorer proxy settings "default" or "none". Setting this manually will decrease runtime; default determined automatically.
`path`	String; Fingertips API address. Function will default to the correct address

Value

The date of latest data update for selected indicators

Examples

```
## Not run:
# Returns metadata for indicator ID 90362 and 92901
indicatorIDs <- c(90362, 92901)
indicator_update_information(indicatorIDs)
## End(Not run)
```

`indicators` *Live indicators and the profiles and domains they belong to*

Description

Outputs a data frame of indicators within a profile or domain

Usage

```
indicators(
  ProfileID = NULL,
  DomainID = NULL,
  proxy_settings = fingertips_proxy_settings(),
  path
)
```

Arguments

`ProfileID`	Numeric vector, id of profiles of interest
`DomainID`	Numeric vector, id of domains of interest
`proxy_settings`	string; whether to use Internet Explorer proxy settings "default" or "none". Setting this manually will decrease runtime; default determined automatically.
`path`	String; Fingertips API address. Function will default to the correct address

Value

A data frame of indicators within a profile or domain.

See Also

`area_types` for area type and their parent mappings, `indicator_metadata` for indicator metadata, `profiles` for profile lookups, `deprivation_decile` for deprivation decile lookups, `category_types` for category lookups, `indicator_areatypes` for indicators by area types lookups, `indicators_unique` for unique indicatorids and their names, `nearest_neighbours` for a vector of nearest neighbours for an area and `indicator_order` for the order indicators are presented on the Fingertips website within a Domain

Other lookup functions: `area_types()`, `category_types()`, `deprivation_decile()`, `indicator_areatypes()`, `indicator_metadata()`, `indicator_order()`, `indicators_unique()`, `nearest_neighbours()`, `profiles()`

Examples

```
## Not run:
# Returns a complete data frame of indicators and their domains and profiles
indicators()

# Returns a data frame of all of the indicators in the Public Health Outcomes Framework
```

```
indicators(ProfileID = 19)
## End(Not run)
```

`indicators_unique` *Live indicators*

Description

Outputs a data frame of indicators (their id and name only). Note, this function can take up to a few minutes to run (depending on internet connection speeds)

Usage

```
indicators_unique(
  ProfileID = NULL,
  DomainID = NULL,
  proxy_settings = fingertips_proxy_settings(),
  path
)
```

Arguments

`ProfileID`	Numeric vector, id of profiles of interest
`DomainID`	Numeric vector, id of domains of interest
`proxy_settings`	string; whether to use Internet Explorer proxy settings "default" or "none". Setting this manually will decrease runtime; default determined automatically.
`path`	String; Fingertips API address. Function will default to the correct address

Value

A data frame of indicator ids and names

See Also

`indicators` for indicators and their parent domains and profiles, `area_types` for area type and their parent mappings, `indicator_metadata` for indicator metadata and `profiles` for profile lookups and `deprivation_decile` for deprivation decile lookups and `category_types` for category lookups, `indicator_areatypes` for indicators by area types lookups and `indicator_order` for the order indicators are presented on the Fingertips website within a Domain

Other lookup functions: `area_types()`, `category_types()`, `deprivation_decile()`, `indicator_areatypes()`, `indicator_metadata()`, `indicator_order()`, `indicators()`, `nearest_neighbours()`, `profiles()`

Examples

```
## Not run:
indicators_unique(ProfileID = 21)
## End(Not run)
```

nearest_neighbour_areatypeids *Nearest neighbours area type ids*

Description

Outputs a table of AreaTypeIDs available for the nearest_neighbour function

Usage

```
nearest_neighbour_areatypeids(proxy_settings = fingertips_proxy_settings())
```

Arguments

proxy_settings	string; whether to use Internet Explorer proxy settings "default" or "none". Setting this manually will decrease runtime; default determined automatically.

Value

table of AreaTypeIDs

See Also

nearest_neighbours to access the geogaphy codes of the nearest neighbours for a locality

Examples

```
## Not run:
nearest_neighbour_areatypeids()
## End(Not run)
```

nearest_neighbours *Nearest neighbours*

Description

Outputs a character vector of similar areas for a given area.

Details

- For new upper tier local authorities (post 4/23) the NHSE Nearest Neighbours Model is used.
- All other local authorities types (lower tier and older upper tier) use the CIPFA's Nearest Neighbours Model. Older local authority geography types will use older versions of the model.

- Similar areas for Clinical Commissioning Groups are based on NHS England's similar CCG explorer tool.
- Currently the function does not have the ability to use the method from the Children's services statistical neighbour benchmarking tool.

Usage

```
nearest_neighbours(
  AreaCode,
  AreaTypeID,
  proxy_settings = fingertips_proxy_settings(),
  path
)
```

Arguments

AreaCode	Character vector, ONS area code of area of interest
AreaTypeID	AreaTypeID of the nearest neighbours (see nearest_neighbour_areatypeids) for available IDs
proxy_settings	string; whether to use Internet Explorer proxy settings "default" or "none". Setting this manually will decrease runtime; default determined automatically.
path	String; Fingertips API address. Function will default to the correct address

Value

A character vector of area codes

See Also

nearest_neighbour_areatypeids for the AreaTypeIDs available for this function

Other lookup functions: area_types(), category_types(), deprivation_decile(), indicator_areatypes(), indicator_metadata(), indicator_order(), indicators(), indicators_unique(), profiles()

Examples

```
## Not run:
nearest_neighbours(AreaCode = "E09000004", AreaTypeID = 502)
## End(Not run)
```

profiles *Live profiles*

Description

Outputs a data frame of live profiles that data are available for in Fingertips http://fingertips.phe.org.uk/

Usage

```
profiles(
  ProfileID = NULL,
  ProfileName = NULL,
  proxy_settings = fingertips_proxy_settings(),
  path
)
```

Arguments

ProfileID	Numeric vector, id of profiles of interest
ProfileName	Character vector, full name of profile(s)
proxy_settings	string; whether to use Internet Explorer proxy settings "default" or "none". Setting this manually will decrease runtime; default determined automatically.
path	String; Fingertips API address. Function will default to the correct address

Value

A data frame of live profile ids and names along with their domain names and ids.

See Also

area_types for area type and their parent mappings, indicators for indicator lookups, indicator_metadata for indicator metadata, deprivation_decile for deprivation decile lookups, category_types for category lookups, indicator_areatypes for indicators by area types lookups, indicators_unique for unique indicatorids and their names, nearest_neighbours for a vector of nearest neighbours for an area and indicator_order for the order indicators are presented on the Fingertips website within a Domain

Other lookup functions: area_types(), category_types(), deprivation_decile(), indicator_areatypes(), indicator_metadata(), indicator_order(), indicators(), indicators_unique(), nearest_neighbours()

Examples

```
## Not run:
# Returns a complete data frame of domains and their profiles
profiles()

# Returns a data frame of all of the domains in the Public Health Outcomes Framework
```

```
profiles(ProfileName = "Public Health Outcomes Framework")
## End(Not run)
```

`select_indicators` *Select indicator*

Description

Point and click method of selecting indicators and assigning them to object. Note, this function can take up to a few minutes to run (depending on internet connection speeds).

Usage

```
select_indicators()
```

Value

A numeric vector of indicator IDs

Examples

```
## Not run:
# Opens a browser window allowing the user to select indicators by their name, domain and profile
inds <- select_indicators()
## End(Not run)
```

Index

∗ **data extract functions**
  fingertips_data, 6
  fingertips_redred, 8
∗ **lookup functions**
  area_types, 2
  category_types, 4
  deprivation_decile, 5
  indicator_areatypes, 10
  indicator_metadata, 11
  indicator_order, 12
  indicators, 15
  indicators_unique, 16
  nearest_neighbours, 17
  profiles, 19

area_types, 2, *4, 5*, *11–13*, *15, 16*, *18, 19*

category_types, *3*, 4, *5*, *11–13*, *15, 16*, *18, 19*

deprivation_decile, *3, 4*, 5, *11–13*, *15, 16*, *18, 19*

fingertips_data, 6, *8*
fingertips_endpoint, 8
fingertips_redred, *7*, 8
fingertips_stats, 9
fingertipsR, 9

get_fingertips_api, 10

indicator_areatypes, *3–5*, 10, *12, 13*, *15, 16*, *18, 19*
indicator_metadata, *3–5*, 11, *11*, *13*, *15, 16*, *18, 19*
indicator_order, *3–5*, *11*, 12, *12*, *15, 16*, *18, 19*
indicator_update_information, 14
indicators, *3–5*, *11–13*, 15, *16*, *18, 19*
indicators_unique, *3–5*, *11–13*, *15*, 16, *18, 19*

nearest_neighbour_areatypeids, 17, *18*
nearest_neighbours, *3–5*, *11–13*, *15, 16*, 17, *17*, *19*

profiles, *3–5*, *11–13*, *15, 16*, *18*, 19

select_indicators, 20