

Package ‘cqr’

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Title Access 'Care Quality Commission' Data

Version 0.1.2

Description Access data from the 'Care Quality Commission', the health and adult social care regulator for England. The 'Care Quality Commission' operates an API <https://www.cqc.org.uk/about-us/transparency/using-cqc-data#api>, with data available under the Open Government License. Data includes information on service providers, locations such as hospitals, care homes and medical clinics, and ratings and inspection reports.

URL <https://github.com/evanodell/cqr>, <https://docs.evanodell.com/cqr>

BugReports <https://github.com/evanodell/cqr/issues>

License GPL-3

Encoding UTF-8

LazyData true

Imports dplyr, httr, jsonlite, anytime, snakecase, rlang, purrr

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Suggests testthat (>= 2.1.0), covr, tibble, knitr, rmarkdown, leaflet, scales, htmltools

VignetteBuilder knitr

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cqcr	<i>cqcr</i>
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Description

Access data from the 'Care Quality Commission', the health and adult social care regulator for England. The 'Care Quality Commission' operates an [API](#), with data available under the Open Government License. Data includes information on service providers, locations such as hospitals, care homes and medical clinics, and ratings and inspection reports. Registration is not required, although you should use the `cqc_partner_code()` function to set an indicator of the organisation you are from when querying the API.

cqc_changes	<i>Changes</i>
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Description

Return ID's of CQC providers or locations that have reported changes in a given time period.

Usage

```
cqc_changes(organisation_type = c("provider", "location"),
  start_date = "2000-01-01", end_date = Sys.Date(), verbose = TRUE,
  clean_names = TRUE)
```

Arguments

organisation_type	One of "provider" or "location".
start_date	The start of the date range, in "YYYY-MM-DD" format, or any vector of character, integer or numeric that can be be parsed with anytime::anytime .
end_date	The end of the date range, in "YYYY-MM-DD" format, or any vector of character, integer or numeric that can be be parsed with anytime::anytime .
verbose	If TRUE prints download progress to console if requesting more than 1,000 records. Defaults to TRUE.
clean_names	If TRUE, converts a column names to snake_case. Defaults to TRUE.

Value

A tibble of all providers or locations that had reported changes in the given period

Examples

```
changes_location <- cqc_changes(  
  organisation_type = "LoCAtiOn",  
  start_date = "2019-03-10",  
  end_date = "2019-03-12"  
)
```

cqc_inspection_areas *Inspection areas*

Description

Retrieves all CQC inspection areas.

Usage

```
cqc_inspection_areas(clean_names = TRUE)
```

Arguments

`clean_names` If TRUE, converts a column names to snake_case. Defaults to TRUE.

Value

A tibble with inspection areas.

cqc_location *Individual locations*

Description

Retrieve data on individual locations or the inspection area(s) of a given location.

Usage

```
cqc_location(location_id, verbose = TRUE, clean_names = TRUE)
```

```
cqc_location_inspection_area(location_id, clean_names = TRUE)
```

Arguments

location_id	The ID of a specific location
verbose	If TRUE prints download progress to console if requesting more than 1,000 records. Defaults to TRUE.
clean_names	If TRUE, converts a column names to snake_case. Defaults to TRUE.

Value

A list with information on the given location.

cqc_locations_search *Location Queries*

Description

Returns all available locations, subject to given parameters.

Usage

```
cqc_locations_search(care_home = NULL, onspd_ccg_code = NULL,
  onspd_ccg_name = NULL, ods_ccg_code = NULL, ods_ccg_name = NULL,
  gac_service_type_description = NULL, constituency = NULL,
  local_authority = NULL, inspection_directorate = NULL,
  primary_inspection_category_code = NULL,
  primary_inspection_category_name = NULL,
  non_primary_inspection_category_code = NULL,
  non_primary_inspection_category_name = NULL, overall_rating = NULL,
  region = NULL, regulated_activity = NULL, report_type = NULL,
  verbose = TRUE, clean_names = TRUE)
```

Arguments

care_home	If TRUE, only returns care homes. If FALSE, returns all locations except care homes. Defaults to NULL and returns all locations including care homes.
onspd_ccg_code	Include only locations where the ONSPD CCG code of the geographic area covering the Location's postcode matches one of the values of this parameter.
onspd_ccg_name	Include only locations where the ONSPD CCG name of the geographic area covering the Location's postcode matches one of the values of this parameter.
ods_ccg_code	Include only locations where the ODS code of the CCG selected by this organisation is known and matches one of the values of this parameter.
ods_ccg_name	Include only locations where the ODS name of the CCG selected by this organisation is known and matches one of the values of this parameter.
gac_service_type_description	GAC Service Type Descriptions, matching one or more values of this parameter. e.g. "Acute services with overnight beds".

constituency	Location is in a given parliamentary constituency
local_authority	Location is in a given local authority.
inspection_directorate	The type of inspection directorate. Accepts one or more off "Adult social care", "Hospitals", "Primary medical services" or "Unspecified".
primary_inspection_category_code	The primary inspection category code. e.g. "H1"
primary_inspection_category_name	The primary inspection category name. e.g. "Slimming Clinics"
non_primary_inspection_category_code	The non-primary inspection category code. e.g. "H1"
non_primary_inspection_category_name	The non-primary inspection category name. e.g. "Slimming Clinics".
overall_rating	Include only locations with a given inspection rating. e.g. "Good". Accepts character vector of multiple inspection ratings.
region	Region of the UK, e.g. "London" or "North East".
regulated_activity	The type of activity at a location, e.g. "Accommodation for persons who require treatment for substance misuse".
report_type	The type of report, e.g. "Location", "Provider" or "CoreService".
verbose	If TRUE prints download progress to console if requesting more than 1,000 records. Defaults to TRUE.
clean_names	If TRUE, converts a column names to snake_case. Defaults to TRUE.

Details

All parameters except `care_home`, `verbose` and `clean_names` accept an array of values, and will return locations matching any of the values of those arrays, subject to other parameters. Search parameters are case sensitive, e.g. "hospitals"

Value

A tibble with the location ID, name and postcode of all locations meeting the given parameters.

Examples

```
## Get all care homes in Redbridge
loc1 <- cqc_locations_search(care_home = TRUE, local_authority = "Redbridge")
```

cqc_partner_code	<i>Partner Code</i>
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Description

Function to add an identifier code to API queries.

Usage

```
cqc_partner_code(check_env = FALSE)
```

Arguments

check_env	If TRUE, will check the environment variable CQC_PARTNER_CODE first before asking for user input.
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Details

The CQC wants all organisations using this API to add an additional query identifying themselves to all queries.

If you are a CQC Syndication partner the value for this code will be provided to you, otherwise an informative but concise code representing your organisation should be chosen. The partner code can be set as an environmental variable named CQC_PARTNER_CODE, or using this function. If set, it will automatically be included in all queries.

cqc_provider	<i>Individual providers</i>
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Description

Return information on individual providers

Usage

```
cqc_provider(provider_id, clean_names = TRUE)
```

```
cqc_provider_locations(provider_id, clean_names = TRUE)
```

```
cqc_provider_inspection_areas(provider_id, clean_names = TRUE)
```

Arguments

provider_id	The ID of a given provider
clean_names	If TRUE, converts a column names to snake_case. Defaults to TRUE.

Value

A tibble with information on a given CQC provider or providers.

A tibble with information the inspection area of a given provider.

cqc_providers

CQC Providers

Description

Retrieve CQC providers, subject to given parameters.

Usage

```
cqc_providers(constituency = NULL, local_authority = NULL,
  inspection_directorate = NULL,
  non_primary_inspection_category_code = NULL,
  non_primary_inspection_category_name = NULL,
  primary_inspection_category_code = NULL,
  primary_inspection_category_name = NULL, overall_rating = NULL,
  region = NULL, regulated_activity = NULL, report_type = NULL,
  verbose = TRUE, clean_names = TRUE)
```

Arguments

`constituency` Location is in a given parliamentary constituency

`local_authority` Location is in a given local authority.

`inspection_directorate` The type of inspection directorate. Accepts one or more off "Adult social care", "Hospitals", "Primary medical services" or "Unspecified".

`non_primary_inspection_category_code` The non-primary inspection category code. e.g. "H1"

`non_primary_inspection_category_name` The non-primary inspection category name. e.g. "Slimming Clinics".

`primary_inspection_category_code` The primary inspection category code. e.g. "H1"

`primary_inspection_category_name` The primary inspection category name. e.g. "Slimming Clinics"

`overall_rating` Include only locations with a given inspection rating. e.g. "Good". Accepts character vector of multiple inspection ratings.

`region` Region of the UK, e.g. "London" or "North East".

`regulated_activity` The type of activity at a location, e.g. "Accommodation for persons who require treatment for substance misuse".

report_type	The type of report, e.g. "Location", "Provider" or "CoreService".
verbose	If TRUE prints download progress to console if requesting more than 1,000 records. Defaults to TRUE.
clean_names	If TRUE, converts a column names to snake_case. Defaults to TRUE.

Value

A tibble with the provider ID, name and postcode of all providers meeting the given parameters.

Examples

```
# All providers in Tower Hamlets
prov1 <- cqc_providers(local_authority = "Tower Hamlets")
```

cqc_reports	<i>Inspection reports</i>
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Description

Return CQC inspection reports, either as a plain text character vector, or by saving a PDF to the chosen directory.

Usage

```
cqc_reports(inspection_report_link_id, related_document_type = NULL,
  plain_text = TRUE, attempt_pdf = FALSE, directory = NULL,
  file_name = NULL, verbose = TRUE)
```

Arguments

inspection_report_link_id	The ID of the report to return.
related_document_type	An optional qualifier to retrieve a document related to the main report. This parameter is the Related Document Type found from the relatedDocuments response object. e.g. "Use for the inspection is returned.
plain_text	If TRUE, returns plain text of report. Otherwise returns a PDF. Defaults to TRUE.
attempt_pdf	Set behaviour when attempting to retrieve plain text of reports. If TRUE, attempts to retrieve a PDF if the plain text of the report is not available and saves it to directory. Ignored if plain_text == FALSE. Defaults to FALSE.
directory	The directory to save PDF files in. Defaults to current working directory.
file_name	A custom file name given to a PDF file being saved locally. If NULL, saves files as inspection_report_link_id.pdf. Defaults to NULL.
verbose	If TRUE prints download progress to console if requesting more than 1,000 records. Defaults to TRUE.

Value

Either a PDF of the inspection report saved to the working directory, or a character vector with the plain text of the inspection report, depending on parameters used.

Examples

```
report2 <- cqc_reports("41d035b1-43e7-4857-be33-cf1b57cf4311")
```

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