Package ‘cqcr’

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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.


BugReports https://github.com/evanodell/cqcr/issues

License GPL-3

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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

**Description**

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

**Usage**

```r
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.
### cqc_inspection_areas

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

**Examples**

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

---

### cqc_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

**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)
```

cqc_locations_search

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

**Partner Code**

#### Description

Function to add an identifier code to API queries.

#### Usage

```r
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.

#### 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.

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### cqc_provider

**Individual providers**

#### Description

Return information on individual providers

#### Usage

```r
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.
cqc_providers

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".
cqc_reports

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

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

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