***NHS England***

***Quality Improvement Strategy Analysis Team***

**GitHub: Readme Template\***

**About this project / method**

This repo contains code to produce the CQC GP and Care Homes dashboards.

The code retrieves the latest CQC ratings data from the UKHF\_CQC tables in the UDAL Lake/main warehouse to produce monthly CQC dashboards. The code contains some conditions to obtain the most recent information from the UKHF\_CQC tables on the day the code is executed.

**Requirements**

-  Access to Azure Databricks

- Access to Azure Storage Explorer/ NHS National Data Platform/ Quality Improvement Data Lake (Q&I Lake)

**Summary the code**

* **Databricks Notebook -** Max\_API\_Call\_Date:

This notebook contains code to obtain the most recent API call date from the UKHF CQC location\_SCD table and save it in the Q&I Lake. Max\_API\_Call\_Date indicates when the data was last refreshed.

* **Databricks Notebook –** CQC dashboard – GP Ratings data:

The notebook contains code to retrieve the latest CQC GP ratings data, which is required to produce the monthly CQC GP dashboard.

The code is mainly written in SQL, with some parts in Python. The code consists of three parts. The first part retrieves the latest GP ratings and saves the output in a temporary table.

However, the new SAF ratings are not included in this data, so the second part of the codes obtains new SAF ratings separately from the JSON plain text contained in the UKHF tables and saves them in a temporary table.

Finally, these two outputs are combined to produce the final output, which is then saved in the Q&I Lake for use in the GP Tableau workbook.

* **Databricks Notebook -** CQC dashboard – CH Ratings data:

The notebook contains code to retrieve the latest Care Homes CQC ratings data, which is required to produce the monthly CQC Care Homes dashboard.

The code is mainly written in SQL, with some parts in Python. The code consists of three parts. The first part retrieves the latest CQC Care Homes ratings and saves the output in a temporary table.

However, the new SAF ratings are not included in this data, so the second part of the codes obtains new SAF ratings separately from the JSON plain text contained in the UKHF tables and saves them in a temporary table.

Finally, these two outputs are combined to produce the final output, which is then saved in the Q&I Lake for use in the Care Homes Tableau workbook.

**Data sources**

CQC API - [Home - CQC Developer Portal](https://api-portal.service.cqc.org.uk/)

Please see the data flow charts

**License**

**Unless stated otherwise, the codebase is released under**[**the MIT LICENSE**](https://github.com/nhsengland/MatNeo-Routine-Reporting/blob/main/LICENSE)**This covers both the codebase and any sample code in the documentation.**

***See***[***LICENSE***](https://github.com/nhsengland/MatNeo-Routine-Reporting/blob/main/LICENSE)***for more information.***

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\* Please fill in this template for a new repository and share with your code before the next meeting.

\*\* Please ensure that your code itself contains a preamble with the title of the project, the name of the team, the name of the author and email address, as well as sufficient comments introducing each main stage of the code.