**COVID\_UPDATE**

1. **Description**

The script ‘covid\_update’ will generate a number of csv data files providing data derived from the publicly available download files of Pillar1, Pillar2 and NHS (England only) COVID-19 data. This script utilises the following python scripts:

* pillar1\_covid\_update.py
* pillar2\_covid\_update.py
* nhs\_trus\_deaths.py

These scripts will in turn prompt the user to analyse the relevant data file(s) when any of the following alarm criteria are met:

1. **Alarm criteria**
   1. Pillar 1 (pillar1\_covid\_update.py)

* An increase of 5 in the number of infectious people in the last sample period in any one of the monitored tiers/areas. See:

C:\covid\_update\config\nation.csv

C:\covid\_update\config\region.csv

C:\covid\_update\config\upper.csv

C:\covid\_update\config\lower.csv

* 1. Pillar 2 (pillar2\_covid\_update.py)
* ~~An increase of 0.02 in the percentage of daily tests proving positive in the last sample period. See 'testing' line in:~~

~~C:\covid\_update\config\pillar2\_configuration.csv~~

* ~~An increase of 30 in the rolling average of deaths in the last sample period. See 'death' line in:~~

~~C:\covid\_update\config\pillar2\_configuration.csv~~

**The files used by this utility are no longer available**

* 1. NHS only (nhs\_trus\_deaths.py)
* A death in the last 7 days in any monitored trust. See:

C:\covid\_update\config\trust\_deaths.csv

* 1. Other (covid\_update)

This script will also flag any monitored (Pillar 1) tier/area where there were no infectious people

detected in the latest sample period.

**Document History**

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| **Version** | **Date** | **Comment** |
| A | 2020 | Initial version |
| B | 27/05/2021 | Updated following release of API and withdrawal of legacy download files. |