# CVD-COVID-UK/COVID-IMPACT

Agreement no: 391419_j3w9t

| Dataset group | Dataset | Start Date* | End Date | Update Frequency | Update Lag | Key notes / links to further information |
|---|---|---|---|---|---|---|
| Primary care | GPES Data for Pandemic Planning and Research (GDPPR) | Please see Key notes / links to further information | Ongoing | Monthly | ~2 months | GDPPR only includes individuals with active, current registrations at participating practices (97.5%) who were alive on or born after 1 November 2019. GDPPR also only includes a subset of ~40,000 (out of >900,000) SNOMED-CT codes that were deemed relevant to pandemic planning and research with some time-based cut-offs applied according to the code cluster. Please see the links below: NHS England - GDPPR BHF DSC HDS - GDPPR |
| Secondary care | Hospital Episode Statistics (HES): | | | | | |
| | - Admitted Patient Care (APC) | 1997-04 | Ongoing | Monthly | ~3 months | |
| | - Accident and Emergency (AE) | 2007-04 | Ongoing | Monthly | ~2 months | |
| | - Critical Care (CC) | 2008-04 | Ongoing | Monthly | ~3 months | HES CC only includes neo-natal records from 2017-04 |
| | - Outpatients (OP) | 2003-04 | Ongoing | Monthly | ~3 months | |
| | Emergency Care Data Set (ECDS) | 2018-10 | Ongoing | Monthly | ~3 months | |
| | Uncurated low latency: | | | | | |
| | - Admitted Patient Care (APC) | 2017-01 | Ongoing | Monthly | ~2 months | |
| | - Critical Care (CC) | 2017-10 | Ongoing | Monthly | ~3 months | |
| | - Outpatients (OP) | 2018-10 | Ongoing | Monthly | ~2 months | |
| | Secondary Uses Service (SUS) | 2019-12 | 2022-09 | No longer updated | NA | |
| COVID-19 lab tests | Second Generation Surveillance System (SGSS) | 2020-01 | 2024-03 | No longer updated | NA | SGSS includes first Pillar 1 and 2 positive tests |
| | Pillar 2 Antigen | 2020-01 | 2024-02 | No longer updated | NA | Pillar 2 includes positive and negative tests |
| | Pillar 3 Antibody | 2020-09 | 2023-03 | No longer updated | NA | Pillar 3 includes positive and negative tests |
| COVID-19 vaccination | COVID-19 Vaccination Events | 2020-04 | Ongoing | Monthly | ~2 months | |
| | COVID-19 Vaccination Adverse Reactions | 2020-12 | Ongoing | Monthly | ~2 months | |
| Deaths | Civil Registrations of Death | 1993-01 | Ongoing | Monthly | ~3 months | |
| Intensive therapy unit (ITU) | Intensive Care National Audit and Research Centre (ICNARC) | 2020-03 | Ongoing | Monthly | ~2 months | ICNARC only includes admissions due to COVID-19 |
| Intensive therapy unit (ITU) / High Dependency Unit (HDU) Admissions | COVID-19 UKHSA Severe Acute Respiratory Infection (SARI) Watch (formerly COVID-19 Hospitalisation in England Surveillance System [CHESS]) | 2020-01 | Ongoing | Monthly | ~2 months | |
| Precribing / Dispensing | Medicines dispensed in primary care (NHS Business Services Authority [NHSBSA]) | 2018-04 | Ongoing | Monthly | ~1 month | |
| | Secondary care prescribed medicines (Electronic Prescribing and Medicines Administration [EPMA]) | 2019-01 | 2023-08 | No longer updated | NA | EPMA only captures around ~15% of secondary presescribing (limited to 26 NHS hospital trusts). Data quality varies by NHS hospital trust. A new more comprehensive EPMA collection is planned for provisioning in January 2025. Please see the links below: NHS England - EPMA NHS England - EPMA (January 2025) |
| National Institute for Cardiovascular Outcomes Research (NICOR) National Cardiac Audit Programme (NCAP) | Myocardial Ischaemia National Audit Project (MINAP) | 2017-01 | 2023-03 | Last updated 2024-01 | NA | Data flows from NICOR to NHS England have ceased. Please see the link below: NHS England - Onboarding Dashboard |
| | National Adult Cardiac Surgery Audit (NACSA) | 2013-01 | 2023-03 | Last updated 2023-08 | NA | Data may not be complete for a given financial year until several months after the end of the financial year when NHS hospital trusts might submit the data for the full year in bulk. NHFA version 4 and 5 should be combined to maximise date coverage. |
| | National Audit of Cardiac Rhythm Management (NACRM) | 2018-01 | 2023-03 | Last updated 2023-08 | NA | |
| | National Audit of Percutaneous Coronary Interventions (NAPCI) | 2017-01 | 2023-03 | Last updated 2023-08 | NA | |
| | National Congenital Heart Disease Audit (NCHDA) | 2018-01 | 2023-03 | Last updated 2023-08 | NA | |
| | National Heart Failure Audit (NHFA) version 4 | 2017-03 | 2019-12 | Last updated 2023-08 | NA | |
| | National Heart Failure Audit (NHFA) version 5 | 2019-12 | 2023-03 | Last updated 2023-08 | NA | |
| | Transcatheter Aortic Valve Implantation (TAVI) Registry | 2018-01 | 2023-03 | Last updated 2023-08 | NA | |
| Stroke Audit | Sentinel Stroke National Audit Programme (SSNAP) | 2018-01 | Ongoing | Monthly | ~1 month | |
| Other | Improving Access to Psychological Therapies (IAPT) | 2020-09 | Ongoing | Monthly | ~1 month | |
| | Maternity Services Data Set (MSDS) | 2019-04 | Ongoing | Monthly | ~1 month | MSDS is a maturing dataset with the number of deliveries captured being lower (compared to HES APC Maternity) in the earlier years of the dataset (i.e., 59% in FY2019/20, increasing to 97% in FY2022/23). Please see the link below: NHS England - MSDS vs HES APC Maternity |
| | Mental Health Services Data Set (MHSDS) | TBC | TBC | TBC | TBC | |

Updates ongoing
Updates on-hold
No longer updated

**Table**: Summary of the datasets provisioned in the CVD-COVID-UK/COVID-IMPACT instance of the NHS England Secure Data Environment (SDE), including start and end dates and update frequency and lag, as well as key notes and links to further information. For example, considering the Hospital Episode Statistics (HES) - Critical Care (CC) dataset, the effective start date of data coverage is April 2008 with the end date ongoing. The HES CC dataset is updated on a monthly basis with an approximate lag of 3 months, that is, if the dataset was last updated on 2024-10-01, then the data would be considered to be complete up until around 2024-07-01 (noting that the HES data is not considered to be final until several months after the end of the financial year). A key point to note about the HES CC dataset is that neo-natal records have only been included from April 2017. Please see the Dataset Summary Dashboard at the link below for more information about the datasets, including descriptions, links, data dictionaries, overall counts, and data coverage and variable completeness plots, and the option to be able to compare data coverage across datasets:
https://bhfdatasciencecentre.org/dashboard/