



## 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 <b>Key notes / links to further information</b>	Ongoing	Quarterly	~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: <a href="#">NHS England - GDPPR</a> <a href="#">BHF DSC HDS - GDPPR</a>
Secondary care	Hospital Episode Statistics (HES):					
	- Admitted Patient Care (APC)	1997-04	Ongoing	Quarterly	~3 months	
	- Accident and Emergency (AE)	2007-04	Ongoing	Quarterly	~3 months	
	- Critical Care (CC)	2008-04	Ongoing	Quarterly	~3 months	HES CC only includes neo-natal records from 2017-04
	- Outpatients (OP)	2003-04	Ongoing	Quarterly	~3 months	
	Emergency Care Data Set (ECDS)	2018-10	Ongoing	Quarterly	~3 months	
	Uncurated low latency:					
	- Admitted Patient Care (APC)	2017-01	Ongoing	Quarterly	~2 months	
	- Critical Care (CC)	2017-10	Ongoing	Quarterly	~2 months	
	- Outpatients (OP)	2018-10	Ongoing	Quarterly	~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	Secondary Uses Service (SUS)	2019-12	2022-09	No longer updated	NA	
COVID-19 lab tests	Second Generation Surveillance System (SGSS)	2020-01	2024-03	No longer updated	NA	SGSS includes first Pillar 1 and 2 positive tests
	Pillar 2 Antigen	2020-01	2024-02	No longer updated	NA	Pillar 2 includes positive and negative tests
	Pillar 3 Antibody	2020-09	2023-03	No longer updated	NA	Pillar 3 includes positive and negative tests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	Quarterly	~2 months	
	COVID-19 Vaccination Adverse Reactions	2020-12	Ongoing	Quarterly	~2 months	
Deaths	Civil Registrations of Death	1993-01	Ongoing	Quarterly	~3 months	
Intensive therapy unit (ITU)	Intensive Care National Audit and Research Centre (ICNARC)	2020-03	Ongoing	Quarterly	~2 months	ICNARC only includes admissions due to COVID-19
Intensive therapy unit (ITU) / High Dependency Unit (HCU) Admissions	COVID-19 UKHSA Severe Acute Respiratory Infection (SARI) Watch (formerly COVID-19 Hospitalisation in England Surveillance System [CHESS])	2020-01	Ongoing	Quarterly	~2 months	
Prescribing / Dispensing	Medicines dispensed in primary care (NHS Business Services Authority [NHSBSA])	2018-04	Ongoing	Quarterly	~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 prescribing (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: <a href="#">NHS England - EPMA</a> <a href="#">NHS England - EPMA (January 2025)</a>
National Institute for Cardiovascular Outcomes Research (NICOR) National Cardiac Audit Programme (NCAP)	Myocardial Ischaemia National Audit Project (MINAP)	2017-01	Ongoing	Quarterly/annually	Please see <b>Key notes / links to further information</b>	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.  <a href="#">BHF DSC HDS - NICOR update</a>
	National Adult Cardiac Surgery Audit (NACSA)	2013-01	Ongoing	Quarterly/annually		
	National Audit of Cardiac Rhythm Management (NACRM)	2018-01	Ongoing	Quarterly/annually		
	National Audit of Percutaneous Coronary Interventions (NAPCI)	2017-01	Ongoing	Quarterly/annually		
	National Congenital Heart Disease Audit (NCHDA)	2018-01	Ongoing	Quarterly/annually		
	National Heart Failure Audit (NHFA) version 4	2017-03	Ongoing	Quarterly/annually		
	National Heart Failure Audit (NHFA) version 5	2019-12	Ongoing	Quarterly/annually		
Stroke Audit	Transcatheter Aortic Valve Implantation (TAVI) Registry	2018-01	Ongoing	Quarterly/annually		
	Sentinel Stroke National Audit Programme (SSNAP)	2018-01	Ongoing	Quarterly	~1 month	
Other	Improving Access to Psychological Therapies (IAPT)	2020-09	Ongoing	Quarterly	~1 month	
	Maternity Services Data Set (MSDS)	2019-04	Ongoing	Quarterly	~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: <a href="#">NHS England - MSDS vs HES APC Maternity</a>
	Mental Health Services Data Set (MHSDS)	TBC	Ongoing	Quarterly	TBC	

-  Updates ongoing  
 Updates on-hold

**Table:** Summary of the datasets provisioned in the CVD-COVID-UK/COVID-IMPACT instance of the NHS England Secure Data Environment (SDE), including date coverage start and end dates and update frequency and data 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 fully finalised 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 were only included from April 2017. Please see the Dataset Summary Dashboard at the link below for more information about the datasets, including descriptions, links, overall counts, data coverage, and variable completeness, and the option to be able to compare data coverage across datasets:

<https://bhfdatasciencecentre.org/dashboard/>