

CVD-COVID-UK/COVID-IMPACT Research Outputs

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In line with the consortium's principles - based on a collaborative, transparent and inclusive ethos - all related analysis plans, protocols, code, phenotype code lists and reports are made publicly available via the centre's [collection on the HDR UK Gateway](#), repositories in the centre's [GitHub organisation](#) and through open-access publications (via the links below).

Published papers/reports and preprints

January 2023

Title: The impact of the COVID-19 pandemic on cardiovascular disease prevention and management. *Nature Medicine*.

Project: CCU014_01: Assessing cardiovascular disease impact through medicines

DOI: <https://doi.org/10.1038/s41591-022-02158-7>

GitHub: https://github.com/BHFDSC/CCU014_01

Title: Harmonising electronic health records for reproducible research: challenges, solutions and recommendations from a UK-wide COVID-19 research collaboration. *BMC Medical Informatics and Decision Making*.

Project: CCU005_03: Harmonising electronic health records for reproducible research: challenges, solutions and recommendations from a UK-wide COVID-19 research collaboration

DOI: <https://doi.org/10.1186/s12911-022-02093-0>

GitHub: https://github.com/BHFDSC/CCU005_03

November 2022

Title: Better End of Life 2022. Mind the gaps: understanding and improving out-of-hours care for people with advanced illness and their informal carers. Research report. *Marie Curie*.

Project: CCU024_01: Mind the gaps: understanding and improving out-of-hours care for people with advanced illness and their informal carers.

URL: <https://www.mariecurie.org.uk/globalassets/media/documents/policy/beol-reports-2022/better-end-of-life-report-2022.pdf>

GitHub: https://github.com/BHFDSC/CCU024_01

Title: Effects of the COVID-19 pandemic on secondary care for cardiovascular disease in the UK: an electronic health record analysis across three countries. *European Heart Journal - Quality of Care and Clinical Outcomes*.

Project: CCU003_04: Quantifying the impact of the COVID-19 pandemic on the provision of cardiovascular disease-related hospital healthcare in the UK

DOI: <https://doi.org/10.1093/ehjqcco/qcac077>

GitHub: https://github.com/BHFDSC/CCU003_04

Title: Using national electronic health records for pandemic preparedness: validation of a parsimonious model for predicting excess deaths among those with COVID-19 – a data-driven retrospective cohort study. *Journal of the Royal Society of Medicine*.

Project: CCU003_03: Using national electronic health records for pandemic preparedness: validation of a parsimonious model for predicting excess deaths among those with COVID-19.

DOI: <https://doi.org/10.1177/01410768221131897>

GitHub: https://github.com/BHFDSC/CCU003_03

Title: Digital ethnicity data in population-wide electronic health records in England: a description of completeness, coverage, and granularity of diversity. *medRxiv*.

Project: CCU037_01: Implementing a novel approach to improve correctness, completeness, and granularity of ethnicity information using routinely collected data

DOI: <https://doi.org/10.1101/2022.11.11.22282217>

GitHub: https://github.com/BHFDSC/CCU037_01

September 2022

Title: Association of COVID-19 with major arterial and venous thrombotic diseases: a population-wide cohort study of 48 million adults in England and Wales. *Circulation*.

Project: CCU002_01: SARS-CoV-2 infection and risk of venous thromboembolism and arterial thrombotic events

DOI: <https://doi.org/10.1161/CIRCULATIONAHA.122.060785>

GitHub: https://github.com/BHFDSC/CCU002_01

June 2022

Title: A retrospective cohort study measured predicting and validating the impact of the COVID-19 pandemic in individuals with chronic kidney disease. *Kidney International*.

Project: CCU003_01: Predicting and validating risk of pre-pandemic and excess mortality during the COVID-19 pandemic in individuals with chronic kidney disease

DOI: <https://doi.org/10.1016/j.kint.2022.05.015>

GitHub: https://github.com/BHFDSC/CCU003_01

Title: COVID-19 trajectories among 57 million adults in England: a cohort study using electronic health records. *The Lancet Digital Health*.

Project: CCU013_01: Characterising COVID-19 related events in a nationwide electronic health record cohort of 57 million people in England

DOI: [https://doi.org/10.1016/S2589-7500\(22\)00091-7](https://doi.org/10.1016/S2589-7500(22)00091-7)

GitHub: https://github.com/BHFDSC/CCU013_01_ENG-COVID-19_event_phenotyping

March 2022

Title: Evaluation of antithrombotic use and COVID-19 outcomes in a nationwide atrial fibrillation cohort. *Heart*.

Project: CCU020: Evaluation of antithrombotic use and COVID-19 outcomes

DOI: <http://dx.doi.org/10.1136/heartjnl-2021-320325>

GitHub: <https://github.com/BHFDSC/CCU020>

Title: Risk of myocarditis and pericarditis following BNT162b2 and ChAdOx1 COVID-19 vaccinations. *medRxiv*.

Project: CCU002_03: COVID-19 vaccination and disease and the risks of myocarditis and pericarditis

DOI: <https://doi.org/10.1101/2022.03.06.21267462>

GitHub: https://github.com/BHFDSC/CCU002_03

February 2022

Title: Association of COVID-19 vaccines ChAdOx1 and BNT162b2 with major venous, arterial, or thrombocytopenic events: A population-based cohort study of 46 million adults in England. *PLOS Medicine*.

Project: CCU002_02: COVID-19 vaccination and disease and the risks of major venous and arterial vascular events

DOI: <https://doi.org/10.1371/journal.pmed.1003926>

GitHub: https://github.com/BHFDSC/CCU002_02

December 2021

Title: A nationwide deep learning pipeline to predict stroke and COVID-19 death in atrial fibrillation. *medRxiv*.

Project: CCU004_02: Prediction of stroke and COVID-19 death using deep learning and sequential medical histories in a nationwide atrial fibrillation cohort

DOI: <https://doi.org/10.1101/2021.12.20.21268113>

GitHub: https://github.com/BHFDSC/CCU004_02

April 2021

Title: Linked electronic health records for research on a nationwide cohort of more than 54 million people in England: data resource. *BMJ*.

Project: CCU005: Data management and analysis methods

DOI: <https://doi.org/10.1136/bmj.n826>

GitHub: <https://github.com/BHFDSC/Linked-EHR-England-2021>