

CVD-COVID-UK/COVID-IMPACT Research Outputs

The papers and preprints listed below have been produced on behalf of the [CVD-COVID-UK/COVID-IMPACT Consortium](#), supported by the [BHF Data Science Centre](#).

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 and preprints

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

Title: Using national electronic health records for pandemic preparedness: validation of a parsimonious model for predicting excess deaths among those with COVID-19. *Preprints with The Lancet*.

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://dx.doi.org/10.2139/ssrn.4052647>

GitHub: https://github.com/BHFDSC/CCU003_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

January 2022

Title: The adverse impact of COVID-19 pandemic on cardiovascular disease prevention and management in England, Scotland and Wales: A population-scale descriptive analysis of trends in medication data. *medRxiv*.

Project: CCU014_01: Assessing cardiovascular disease impact through medicines

DOI: <https://doi.org/10.1101/2021.12.31.21268587>

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

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

November 2021

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

Project: CCU002_01: SARS-CoV-2 infection and risk of major vascular events

DOI: <https://doi.org/10.1101/2021.11.22.21266512>

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

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>