UK Outbreak data analysis platform

LINKED DATA:

Safe pseu

EMBARGO AREA Curated data accessible to all contributors under strict publication embargo **RESEARCH DATA:** ISARIC4C TIER 0/1/2 hospitalised (2,914): host whole genome seq

multiomics serial: serology viral load PHOSP clinical follow-up: (1,075)

> host microarray genotype multiomics serial:

> > serology

COG-UK Viral whole genome seq (550,000)

GenOMICC Host whole genome (20,286)

UK-CIC immunology

Summary (non-disclosive) clinical data

Supervised exports of nondisclosive data

LINKED RESEARCH DATA:

ISARIC4C TIER 0 (CO-CIN) (303,251)

ISARIC4C TIER 1/2 Multi-omics (2,914)

PHOSP clinical follow-up (1,075)

PHOSP TIER 1/2 multiomics

COG-UK Viral variant data (21,230)

GenOMICC Host variant data (20,286)

UK-CIC immunology

LINKED DATA (available):

NHS Digital England &Wales In/outpatient

NHS Scotland (SMR00/01) In/outpatient

Death records (Scotland)

Critical care audit (SICSAG)

LINKED DATA (planned):

Critical care audit (ICNARC)

NHS England&Wales Inpatient/Outpatient

National immunisation database (NIMS)

Pillar 1/2 testing

NON-EMBARGO AREA

Curated data accessible to approved bona fide researchers for academic/commercial use

All data released by investigators at or before publication

Encrypted identifier Nondisclosive data API

UK Health Security Agency Public Health England Public Health Scotland Public Health Wales Public Health Nothern Ireland

Office for National Statistics

NHS Digital / OpenSafely

Other TREs

Supervised exports of nondisclosive data

All data released by investigators at or before publication

Public Health

England

Public Health Scotland **Public** Health Wales

Public Health

Automated feed of viral genome data for clinical linkage

CLIMB COVID

UK PHA UK academic instituions NHS

Wellcome Sanger Institute

automated pipelines

COG-UK Viral whole genome seq (550,000)

variant calling

viral evolution

phylogeny

automated deposit in open-access public databases

UK Health Security Agency Public Health England Public Health Scotland Public Health Wales Public Health Nothern Ireland International public databases

- GISAID
- ENA/INSDC