Flexible high-performance compute area for pseudonymised data with explicit consent

Safe haven research space for analysis of pseudonymised data without consent

UK Outbreak data analysis platform EMBARGO AREA NON-EMBARGO AREA Curated data accessible to all contributors Curated data accessible to approved bona fide researchers for academic/commercial use under strict publication embargo **RESEARCH DATA:** ISARIC4C TIER 0/1/2 hospitalised (2,469): host whole genome seq multiomics serial: serology All data released by viral load investigators at or PHOSP clinical follow-up: (1,075) before publication host microarray genotype multiomics serial: serology COG-UK Viral whole genome seq (550,000) GenOMICC Host whole genome (14,904) **UK-CIC** immunology LINKED DATA: Summary (non-disclosive) clinical data Supervised Supervised exports of nonexports of nondisclosive data disclosive data LINKED RESEARCH DATA: ISARIC4C TIER 0 (CO-CIN) (229,185) ISARIC4C TIER 1/2 Multi-omics (2,469) PHOSP clinical follow-up (1,075) All data released by investigators at or PHOSP TIER 1/2 multiomics before publication COG-UK Viral variant data (21,230) GenOMICC Host variant data (14,904) **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

Public
Health
England

Public
Health
Scotland

Public
Health
NI

Public
Health
NI

Automated feed of viral genome data for clinical linkage

CLIMB COVID

UK academic instituions
NHS

Wellcome Sanger Institute

UK PHA

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

UK Health Security Agency

Public Health Nothern Ireland

Office for National Statistics

NHS Digital / OpenSafely

Other TREs

Public Health England

Public Health Scotland

Public Health Wales

Encrypted identifier

Nondisclosive data

API

- GISAID
- ENA/INSDC