## 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 (2,503): 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 (15,755) **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) (241,829) ISARIC4C TIER 1/2 Multi-omics (2,503) 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 (15,755) **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

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

Encrypted identifier

Nondisclosive data

API

Public
Health
Scotland
Public
Health
Wales
Public
Health
NI
Automated feed
of viral genome
data for clinical
linkage

## CLIMB COVID

UK PHA

UK academic instituions

NHS

Wellcome Sanger Institute

automated pipelines

National immunisation database (NIMS)

Pillar 1/2 testing

Public

Health

England

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