COVID-19 Bulletin
Official Guidance & Emerging Evidence

19th November 2020

Produced by the NHS Staff Library and Knowledge Service

Mid Yorkshire Hospitals NHS Trust
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Department of Health and Social Care

- **Roll out of lateral flow tests to local authorities**
  A list of local authorities across England issued with rapid coronavirus (COVID-19) tests by the Department of Health and Social Care.

- **UK government’s response to Moderna’s publication of efficacy data for its COVID-19 vaccine**

- **£12.2 million boost for genomic surveillance to help stop transmission of COVID-19**
  The COVID-19 Genomics UK Consortium will use the funding to expand whole genome sequencing of the SARS-CoV-2 virus.

- **Cohort pool testing for coronavirus (COVID-19)**
  Information on pooled testing for universities taking part in the pooled testing pilot.

NHS England

- **NHS launches 40 ‘long COVID’ clinics to tackle persistent symptoms**
  The clinics, due to start opening at the end of November, will bring together doctors, nurses, therapist and other NHS staff to physical and psychological assessments of those experiencing enduring symptoms.

Official Resources & Statistics

DHSC

- [Coronavirus dashboard](https://www.gov.uk/coronavirus)
- [DHSC testing and tracing statistics: information for users](https://coronavirus.data.gov.uk/trace)

DHSC/PHE

PHE

- Coronavirus (COVID-19): guidance for health professionals and other organisations
- COVID-19: background information epidemiology, virology and clinical features
- National COVID-19 surveillance reports Updated weekly
- COVID-19: impacts on health - reports and tools
- National COVID-19 surveillance reports
- PHE data series on deaths in people with COVID-19: technical summary
- Wider impacts of COVID-19 on health : monitoring tool
- National flu and COVID-19 surveillance reports
- COVID-19: impact on vaccination programmes

NHS England

- Specialty guides for patient management during the coronavirus pandemic
- Coronavirus guidance for clinicians and NHS managers

NHS Health Education England

- Coronavirus (COVID-19)

NHS Digital

- Potential Coronavirus (COVID-19) symptoms reported through NHS Pathways and 111 online
- [MI] Coronavirus Shielded Patient List Summary Totals, England
- Coronavirus vaccine studies volunteers dashboard

Office for National Statistics

- Coronavirus (COVID-19) Latest data and analysis on coronavirus (COVID-19)
- Coronavirus (COVID-19) Infection Survey: Statistical bulletins

Journals

An NHS Athens account may be required for full text access, register here

BMJ

Research

- Accuracy of UK Rapid Test Consortium (UK-RTC) “AbC-19 Rapid Test” for detection of previous SARS-CoV-2 infection in key workers: test accuracy study
News

- Long covid: Damage to multiple organs presents in young, low risk patients
- Testing times for the government’s favoured antibody kit

Editorial

- Mass testing for covid-19 in the UK
- Covid-19: politicisation, “corruption,” and suppression of science

JAMA [Journal of the American Medical Association]

- Diaphragm Pathology in Critically Ill Patients With COVID-19 and Postmortem Findings From 3 Medical Centers
- Preventing the Spread of SARS-CoV-2 With Masks and Other “Low-tech” Interventions
- Fluvoxamine vs Placebo and Clinical Deterioration in Outpatients With Symptomatic COVID-19: A Randomized Clinical Trial
- Challenges in Testing for SARS-CoV-2 Among Patients Who Recovered From COVID-19
- Assessment of SARS-CoV-2 RNA Test Results Among Patients Who Recovered From COVID-19 With Prior Negative Results

New England Journal of Medicine

- Covid-19 in Europe and New Information on Vaccines
- Hydroxychloroquine in Patients with Covid-19
- Rapid Response to Covid-19 Outbreak in Qingdao, China

The Lancet

- Ethnicity and clinical outcomes in COVID-19: A systematic review and meta-analysis
- Pathophysiology of COVID-19-associated acute respiratory distress syndrome
- Hydroxychloroquine and COVID-19: a tale of populism and obscurantism
- From Preproduction to Coproduction: COVID-19, whiteness, and making black mental health matter
- Implementing rapid diagnostics for COVID-19
- Safety and efficacy of inhaled nebulised interferon beta-1a (SNG001) for treatment of SARS-CoV-2 infection: a randomised, double-blind, placebo-controlled, phase 2 trial
- Safety, tolerability, and immunogenicity of an inactivated SARS-CoV-2 vaccine in healthy adults aged 18–59 years: a randomised, double-blind, placebo-controlled, phase 1/2 clinical trial
- Expecting the unexpected with COVID-19 vaccines
- Safety and immunogenicity of ChAdOx1 nCoV-19 vaccine administered in a prime-boost regimen in young and old adults (COV002): a single-blind, randomised, controlled, phase 2/3 trial
Nature Journals

- **COVID research updates**: Quick COVID tests catch the people who are most infectious
- **Clinical presentations, laboratory and radiological findings, and treatments for 11,028 COVID-19 patients**: a systematic review and meta-analysis
- **Development and validation of a clinical score to estimate progression to severe or critical state in COVID-19 pneumonia hospitalized patients**
- **Infection of human sweat glands by SARS-CoV-2**
- **Open resource of clinical data from patients with pneumonia for the prediction of COVID-19 outcomes via deep learning**
- **Pre-symptomatic detection of COVID-19 from smartwatch data**
- **Macrophage expression and prognostic significance of the long pentraxin PTX3 in COVID-19**
- **Preparing for a future COVID-19 wave**: insights and limitations from a data-driven evaluation of non-pharmaceutical interventions in Germany
- **Development of CpG-adjuvanted stable prefusion SARS-CoV-2 spike antigen as a subunit vaccine against COVID-19**
- **Immune suppression in the early stage of COVID-19 disease**
- **Upper airway gene expression reveals suppressed immune responses to SARS-CoV-2 compared with other respiratory viruses**
- **Detection of SARS-CoV-2 antibodies is insufficient for the diagnosis of active or cured COVID-19**
- **Spike-specific circulating T follicular helper cell and cross-neutralizing antibody responses in COVID-19-convalescent individuals**
- **Ranking the effectiveness of worldwide COVID-19 government interventions**

Nursing Standard

- **Free Access** to news and evidence-based resources relevant to the COVID-19 pandemic.

Mark Allen Group

- **Coronavirus (COVID-19): articles and resources**, Mark Allen Healthcare journals.

Research & Reviews

**BMJ Case Reports**

- **Covid-19 content collection**

**Oxford University Press**

- **Early plasma IL-37 responses accompanied with low inflammatory cytokines correlate with benign clinical outcomes during SARS-CoV-2 infection**
- The misleading “pooled effect estimate” of crude data from observational studies at critical risk of bias: The case of Tocilizumab in COVID-19
- Provider-Patient Communication and Hospital Ratings: Perceived Gaps and Forward Thinking about the Effects of COVID-19
- An Evaluation of Two Commercial Deep Learning-Based Information Retrieval Systems for COVID-19 Literature
- Clinical profile and predictors of in-hospital mortality among older patients admitted for COVID-19
- Venous thromboembolic events in patients with COVID-19: A systematic review and meta-analysis
- Secondary attack rate and family clustering of SARS-CoV-2 infection in children of healthcare workers with confirmed COVID-19
- Health-system pharmacists discuss racial disparities in COVID-19 pandemic
- Management of severe hyperinflammation in the COVID-19 era: the role of the rheumatologist
- Impact of the COVID-19 Pandemic on Invasive Pneumococcal Disease and Risk of Pneumococcal Coinfection with SARS-CoV-2: prospective national cohort study, England
- Three-month pulmonary function and radiological outcomes in COVID-19 survivors: a longitudinal patient cohort study
- Ensemble learning for poor prognosis predictions: a case study on SARS-CoV2
- An observational cohort study of bacterial co-infection and implications for empirical antibiotic therapy in patients presenting with COVID-19 to hospitals in North West London
- Immunological assessment of pediatric multisystem inflammatory syndrome related to COVID-19

**Taylor & Francis**

- Computational investigation of binding of chloroquinone and hydroxychloroquinone against PLPro of SARS-CoV-2
- Computational investigation for identification of potential phytochemicals and antiviral drugs as potential inhibitors for RNA-dependent RNA polymerase of COVID-19
- COVID-19 and inhibitors of the renin–angiotensin–aldosterone system
- Chest radiographs may assist in predicting the outcome in the early phase of Covid-19. UK district general hospital experience of Covid-19 first wave
- Prolonged shedding of severe acute respiratory syndrome coronavirus 2 in patients with COVID-19
- Preclinical validation of occupational and environmental safety of an isolation system for noninvasive ventilation in COVID-19 and other aerosol-transmitted infections

Elsevier & Science Direct
- Novel Coronavirus Information Center
- Analysis of the Outbreak of the Novel Coronavirus COVID-19 Dynamic Model with Control Mechanisms
- Crowding Effects Dominate Demographic Attributes in COVID-19 Cases
- Potential molecular targets of nonstructural proteins for the development of antiviral drugs against SARS-CoV-2 infection
- Elevated interleukin levels are associated with higher severity and mortality in COVID-19 - A systematic review, meta-analysis, and meta-regression
- Seroprevalence of SARS-CoV-2 antibodies and associated factors in health care workers: a systematic review and meta-analysis
- A systematic review of ECG findings in patients with COVID-19
- Spatial inequalities of COVID-19 mortality rate in relation to socioeconomic and environmental factors across England

Preprints

Wiley Open Research
- These are preprints and have not been peer reviewed. Data may be preliminary.

medRxiv and bioRxiv
- Preliminary reports of work not yet certified by peer review. Added daily.
  Multi-organ impairment in low-risk individuals with long COVID

Europe PubMed Central
- Coronavirus articles and preprints

Information Sources
- Cochrane Library
- Covid-19 Best Evidence "Front Door"
- COVID-19 Evidence Alerts from McMaster PLUS™
- Critical Care Reviews
- Dynamed
- House of Commons Library
- Knowledge for Healthcare (Health Education England)
- LitCovid
• **MRC Centre for Global Infectious Disease Analysis Covid Publications**
  
  **NEW** Report 35 - COVID-19 How can we keep schools and universities open? Differentiating closures by economic sector to optimize social and economic activity while containing SARS-CoV-2 transmission
  
  **NEW** Report 36 - Modelling ICU capacity under different epidemiological scenarios of the COVID-19 pandemic in three western European countries

• **NIHR Innovation Observatory**

• **NIHR Policy Research Programme COVID-19 research**

• **Oxford COVID-19 Evidence Service : Centre for Evidence-Based Medicine**

• **PHE Knowledge and Library Services team - Finding the evidence: Coronavirus**

• **The Strategy Unit - Analytical Collaboration for COVID-19**

• **Trip Database - Evidence and grey literature**

• **WHO Global Outbreak Alert and Response Network (GOARN)**

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