COVID-19 Bulletin
Official Guidance & Emerging Evidence

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Produced by the NHS Staff Library and Knowledge Service

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Department of Health and Social Care

Accessing government-secured flu vaccines: guidance for NHS providers
How NHS providers in England can access the extra stock of flu vaccines this winter that the government has secured.

Priority groups for coronavirus (COVID-19) vaccination: advice from the JCVI, 2 December 2020

Public Health England

COVID-19: vaccinator competency assessment tool
COVID-19: vaccinator training recommendations
Guidance on coronavirus (COVID-19) vaccination training to support healthcare workers involved in delivering the programme.

COVID-19: the green book, chapter 14a

Medicines and Healthcare products Regulatory Agency

Regulatory approval of Pfizer / BioNTech vaccine for COVID-19
Information for healthcare professionals and the public about the Pfizer/BioNTech vaccine.

Department for Business, Energy & Industrial Strategy

UK government Vaccines Taskforce (VTF): 2020 achievements and future strategy
The Vaccines Taskforce (VTF) has made progress in securing vaccines for the UK, working internationally to develop and increase access to vaccines, and building UK vaccine capability.

FDA (USA)

Vaccines and Related Biological Products Advisory Committee Meeting December 10, 2020 FDA Briefing Document Pfizer-BioNTech COVID-19 Vaccine

Official Resources & Statistics

DHSC
• Coronavirus dashboard
• DHSC testing and tracing statistics: information for users
- NHS test and trace statistics (England)
- PPE deliveries statistics (England): weekly reports

DHSC/PHE

- COVID-19: guidance for health professionals

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

- Coronavirus guidance for clinicians and NHS managers

NICE

- Specialty guides

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

**BMJ News**
- Mass testing in Slovakia may have helped cut infections
- Safety of lateral flow tests questioned after they are found to miss half of cases

**JAMA [Journal of the American Medical Association]**
- Using Smartwatch Data to Detect COVID-19 Cases Early
- COVID-19 Infection—Preventing Clinical Deterioration
- Fluvoxamine vs Placebo and Clinical Deterioration in Outpatients With Symptomatic COVID-19: A Randomized Clinical Trial
- Science Denial and COVID Conspiracy Theories: Potential Neurological Mechanisms and Possible Responses
- Older Adults and the Mental Health Effects of COVID-19
- A Proposed Framework and Timeline of the Spectrum of Disease Due to SARS-CoV-2 Infection: Illness Beyond Acute Infection and Public Health Implications
- Stillbirths During the COVID-19 Pandemic in England, April-June 2020
- Assessment of Racial/Ethnic Disparities in Hospitalization and Mortality in Patients With COVID-19 in New York City

**The Lancet**
- Safety and efficacy of the ChAdOx1 nCoV-19 vaccine (AZD1222) against SARS-CoV-2: an interim analysis of four randomised controlled trials in Brazil, South Africa, and the UK
- Oxford–AstraZeneca COVID-19 vaccine efficacy
- Is NHS Test and Trace exacerbating COVID-19 inequalities?
- The role of schools and school-aged children in SARS-CoV-2 transmission
- SARS-CoV-2 infection and transmission in educational settings: a prospective, cross-sectional analysis of infection clusters and outbreaks in England
- The mental health impact of the COVID-19 pandemic on people with and without depressive, anxiety, or obsessive-compulsive disorders: a longitudinal study of three Dutch case-control cohorts
- The granting of emergency use designation to COVID-19 candidate vaccines: implications for COVID-19 vaccine trials
- Population preferences for inclusive COVID-19 policy responses
- Development and dissemination of infectious disease dynamic transmission models during the COVID-19 pandemic: what can we learn from other pathogens and how can we move forward?
- Towards an accurate and systematic characterisation of persistently asymptomatic infection with SARS-CoV-2
- Real-life validation of the Panbio™ COVID-19 antigen rapid test (Abbott) in community-dwelling subjects with symptoms of potential SARS-CoV-2 infection
- Metabolomics of exhaled breath in critically ill COVID-19 patients: A pilot study
- Is NHS Test and Trace exacerbating COVID-19 inequalities?
- Metformin and risk of mortality in patients hospitalised with COVID-19: a retrospective cohort analysis
- Detecting COVID-19 infection hotspots in England using large-scale self-reported data from a mobile application: a prospective, observational study

**Nature Journals**

- Vital signs assessed in initial clinical encounters predict COVID-19 mortality in an NYC hospital system
- Male sex identified by global COVID-19 meta-analysis as a risk factor for death and ITU admission
- Identifying side effects of commonly used drugs in the treatment of Covid 19
- Prediction of the COVID-19 outbreak in China based on a new stochastic dynamic model
- Strategic spatiotemporal vaccine distribution increases the survival rate in an infectious disease like Covid-19
- A blood transcriptome-based analysis of disease progression, immune regulation, and symptoms in coronavirus-infected patients
- Neutralizing antibodies for the treatment of COVID-19
- Absence of relevant QT interval prolongation in not critically ill COVID-19 patients
- SARS-CoV-2 receptor ACE2 is co-expressed with genes related to transmembrane serine proteases, viral entry, immunity and cellular stress
- A cross-talk between epithelium and endothelium mediates human alveolar–capillary injury during SARS-CoV-2 infection
- Older adults lack SARS CoV-2 cross-reactive T lymphocytes directed to human coronaviruses OC43 and NL63
- Development of a novel risk score to predict mortality in patients admitted to hospital with COVID-19
- Untuned antiviral immunity in COVID-19 revealed by temporal type I/III interferon patterns and flu comparison
- Longitudinal symptom dynamics of COVID-19 infection
- CD147-spike protein is a novel route for SARS-CoV-2 infection to host cells
Viral clearance after early corticosteroid treatment in patients with moderate or severe covid-19

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

New: Paediatric inflammatory multisystem syndrome temporally associated with COVID-19: a new virus and a new case presentation

Oxford University Press

Seroprevalence and Correlates of SARS-CoV-2 Antibodies in Healthcare Workers in Chicago

Association of atrial fibrillation and left atrial volume index with mortality in patients with COVID-19 pneumonia

Paradoxes and uncertainties of immunomodulatory treatments in the fight against COVID-19

Design of an epitope-based peptide vaccine against the SARS-CoV-2: a vaccine-informatics approach

A prospective cohort of SARS-COV2 infected health care workers: Clinical characteristics, outcomes and follow up strategy

A review of COVID-19 biomarkers and drug targets: resources and tools

A meta-analysis on the role of children in SARS-CoV-2 in household transmission clusters

Viral cultures for COVID-19 infectious potential assessment – a systematic review

Characteristics of Adults aged 18–49 Years without Underlying Conditions Hospitalized with Laboratory-Confirmed COVID-19 in the United States, COVID-NET — March–August 2020

Dose-response effects of hydroxychloroquine on prophylaxis against SARS-CoV-2 / COVID-19 infection

Clinical Significance of CBC and WBC Morphology in the Diagnosis and Clinical Course of COVID-19 Infection

Taylor & Francis

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
- Twelve tips for teaching medical students online under COVID-19

**Elsevier/Science Direct**

- Modeling and analysis of different scenarios for the spread of COVID-19 by using the modified multi-agent systems – Evidence from the selected countries
- Testing the identification effectiveness of an unknown outbreak of the Infectious Diseases Seeker (IDS) using and comparing the novel coronavirus disease (COVID-19) outbreak with the past SARS and MERS epidemics
- SARS-CoV-2 infection and transmission in educational settings: a prospective, cross-sectional analysis of infection clusters and outbreaks in England
- Impact of repurposed drugs on the symptomatic COVID-19 patients
- Rapid implementation of SARS-CoV-2 emergency use authorization RT-PCR testing and experience at an academic medical institution
- Evaluation of a SARS-CoV-2 rapid antigen test: potential to help reduce community spread?
- Genomic and evolutionary comparison between SARS-CoV-2 and other human coronaviruses
- A rapid review of the use of face mask in preventing the spread of COVID-19
- Convalescent plasma may be a possible treatment for COVID-19: A systematic review
- COVID-19 Convalescent Plasma Treatment of Moderate and Severe Cases of SARS-CoV-2 Infection: A Multicenter Interventional Study
- Meta-analysis of EEG findings in patients with COVID-19
- Factors associated with preventive behaviors, anxiety of COVID-19 among healthcare workers and response preparedness against COVID-19 outbreak: A one health approach

**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.

**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
- NIHR Innovation Observatory
- NIHR Policy Research Programme COVID-19 research
- Oxford COVID-19 Evidence Service: Centre for Evidence-Based Medicine
  New: PROTOCOL Rapid reviews of evidence for WHO scientific briefs on COVID-19 and selected Noncommunicable Diseases (NCDs)
- 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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