COVID-19 Evidence Bulletin 108

UK Guidance

UK Health Security Agency

Reducing the spread of respiratory infections, including COVID-19, in the workplace
Public health principles for reducing the spread of respiratory infections, including COVID-19, in the workplace.
Updated: 4th April 2022

Antibody testing for SARS-CoV-2: key information
Information for healthcare workers on the types of coronavirus (COVID-19) antibody tests available and how to interpret results.
Updated: 4th April 2022

COVID-19: guidance for people whose immune system means they are at higher risk
Guidance for people aged 12 and over whose immune system means they are at higher risk of serious illness if they become infected with coronavirus (COVID-19)
Updated: 4th April 2022

Department of Health and Social Care

Personal protective equipment (PPE): local contacts for accessing free PPE
A list of contacts that providers and care recipients can approach to access free PPE, including the PPE Portal, local authorities and local resilience forums.
Updated: 6th April 2022

Changes to Human Medicine Regulations to support the rollout of vaccines: one-year review
A report summarising the findings following a one-year review of the use of regulations 174A and 247A, implemented to support the rollout of COVID-19 and flu vaccines.
Updated: 5th April 2022

PPE portal: how to order COVID-19 personal protective equipment (PPE)
Eligible health and social care providers can order PPE through the portal to meet the increased need that has arisen as a result of the COVID-19 pandemic.
Updated: 4th April 2022

NHS England and NHS Improvement

Vaccination sites
Updated: 6th April 2022

Novel coronavirus (COVID-19) standard operating procedure: testing for elective care pre-admission patient pathways
The aim of this standard operating procedure is to provide asymptomatic testing, as required by a clinically led risk-based approach.
Updated: 4th April 2022

Novel coronavirus (COVID-19) standard operating procedure: testing for inpatients
The aim of this standard operating procedure is to provide testing, as required by a clinically led risk-based approach
Updated: 4th April 2022
NHS Confederation

Latest developments
6th April 2022

COVID sickness absence - transition from enhanced provisions to application of regular sickness absence arrangements
1st April 2022

Long COVID - Post virus sickness absence – Health & Wellbeing and rehabilitation support
1st April 2022

NHS Providers

NHS Providers responds to pressures on hospital and ambulance services
6th April 2022

Imperial College London

REACT-1 round 19 (final round)
6th April 2022

1 in 16 infected with the coronavirus as REACT study records highest rates yet
6th April 2022

INTERNATIONAL GUIDANCE

WHO

Clinical care of severe acute respiratory infections – Tool kit
The 2022 updated version includes new tools and adapted algorithms, checklists, memory aids for COVID-19 and influenza, and the latest clinical evidence regarding clinical management of SARI
Updated: 6th April 2022

Injection safety in the context of coronavirus disease (COVID-19) vaccination: Addendum to policy brief, 5 April 2022
Updated: 5th April 2022

European Centre for Disease Control

ECDC and EMA issue advice on fourth doses of mRNA COVID-19 vaccines
Updated: 6th April 2022

PHARMACY

MHRA

Medical devices given exceptional use authorisations during the COVID-19 pandemic
List of manufacturers and their medical devices which have been granted an exemption by the MHRA.
Updated: 4th April 2022

CURRENT RESEARCH

Selected Papers:

Cardiology
History of Heart Failure and Chronic Kidney Disease and the Risk for Allcause Death after COVID-19 During the Three First Waves in Comparison to Influenza Outbreaks in Sweden
Ritsinger & Bodegard
SSRN
5th April 2022

Covid-19's influence on cardiac function: a machine learning perspective on ECG analysis
Gomes et al
5th April 2022
This article is a preprint and has not been certified by peer review. It reports new medical research that has yet to be evaluated and so should not be used to guide clinical practice.

Cardiac impairment in Long Covid 1-year post-SARS-CoV-2 infection
Roca-Fernandez
4th April 2022
This article is a preprint and has not been certified by peer review. It reports new medical research that has yet to be evaluated and so should not be used to guide clinical practice.

Critical Care

Efficacy of intravenous immunoglobulin for Critically Ill Patients With COVID-19: A meta and trial sequential analysis
Liu et al
5th April 2022
This article is a preprint and has not been certified by peer review. It reports new medical research that has yet to be evaluated and so should not be used to guide clinical practice.

General

COVID-19: managing workplace safety
This guide will help you plan and manage ongoing workplace safety in light of the COVID-19 pandemic
5th April 2022

Risk of SARS-CoV-2 reinfection and COVID-19 hospitalisation in individuals with natural and hybrid immunity: a retrospective, total population cohort study in Sweden
The Lancet

Covid-19: UK adds sore throat, headache, fatigue, and six other symptoms to official list
The BMJ
4th April 2022

It is vital that we retain some reliable covid-19 surveillance tools
The BMJ
5th April 2022

Covid-19: Hospital admissions continue to climb amid record infection rates
The BMJ
4th April 2022

At-home COVID-19 Test Instructions Frequently Misinterpreted
Slomski, A.
JAMA
5th April 2022

A Comparative Study of Voltammetric vs Impedimetric Immunosensor for Rapid SARS-CoV-2 Detection at the Point-of-Care
Tortolini & Antiochia
SSRN
6th April 2022
**Evidence of SARS-CoV-2 Reinfection: Analysis of 35,000 Subjects and Overview of Systematic Reviews**
Pecoraro et al  
SSRN  
4th April 2022

**Rapid characterization of a Delta-Omicron SARS-CoV-2 recombinant detected in Europe**
Simon-Loriere et al  
Nature Portfolio  
4th April 2022  
This article is a preprint and has not been certified by peer review. It reports new medical research that has yet to be evaluated and so should not be used to guide clinical practice.

**Delta/ Omicron and Omicron/BA.2 co-infections occurring in Immunocompromised hosts**
Leuking et al  
6th April 2022  
This article is a preprint and has not been certified by peer review. It reports new medical research that has yet to be evaluated and so should not be used to guide clinical practice.

**The new normal? Dynamics and scale of the SARS-CoV-2 variant Omicron epidemic in England**
Eales et al  
4th April 2022  
This article is a preprint and has not been certified by peer review. It reports new medical research that has yet to be evaluated and so should not be used to guide clinical practice.

**Healthcare Workers**

**Reducing the spread of respiratory infections, including COVID-19, in the workplace**
Public health principles for reducing the spread of respiratory infections, including COVID-19, in the workplace.  
Updated 4th April 2022

**COVID-19: managing healthcare staff with symptoms of a respiratory infection**
1 April 2022

**Virtual Medical Education and Telemedicine Implementation During the COVID-19 Pandemic: A Narrative Review of the Impact on Trainees and Providers in Otolaryngology**
Langlie et al  
SSRN  
4th April 2022

**Immunogenicity evaluation after BNT162b2 booster vaccination in healthcare workers**
Zurac et al  
Scientific Reports  
6th April 2022  
This article is a preprint and has not been certified by peer review. It reports new medical research that has yet to be evaluated and so should not be used to guide clinical practice.

**Does Pre-Existing Immunity Determine the Course of SARS-CoV-2 Infection in Health-Care Workers? Single-Center Experience**
Laura et al  
5th April 2022  
This article is a preprint and has not been certified by peer review. It reports new medical research that has yet to be evaluated and so should not be used to guide clinical practice.

**HIV**

**The causal relationship between HIV-1 infection and the spectrum of Coronavirus disease 2019: a Mendelian randomisation study**
Ma et al
This article is a preprint and has not been certified by peer review. It reports new medical research that has yet to be evaluated and so should not be used to guide clinical practice.

Obstetrics

Maternal COVID-19 Vaccine Safe for Infants
Slomski, A.
JAMA
5th April 2022

Association of COVID-19 Vaccination During Early Pregnancy With Risk of Congenital Fetal Anomalies
Ruderman et al
JAMA
4th April 2022

Postnatal women’s breastfeeding belief, practices, and support during the COVID-19 pandemic: a cross-sectional comparative study across five countries.
Coca et al
BMC International Breastfeeding Journal
6th April 2022

Cardiovascular diseases worsen the maternal prognosis of COVID-19
Testa et al
5th April 2022

Paediatrics

Sounding the Alarm for Children’s Mental Health During the COVID-19 Pandemic
Benton et al.
JAMA
2022

Incidence Rates and Clinical Outcomes of SARS-CoV-2 Infection With the Omicron and Delta Variants in Children Younger Than 5 Years in the US
Wang et al
JAMA
1st April 2022

Prone Positioning

Prone Positioning of Intubated Patients with an Elevated Body-Mass Index
Hao et al
NEJM
7th April 2022

Radiology

Impact of COVID-19 on the incidence of CT-diagnosed appendicitis and its complications in the United Kingdom and Sweden
Torkzad at al
International Journal of Colorectal Disease
6th April 2022
Respiratory

**Definition, diagnosis, and management of COVID-19-associated pulmonary mucormycosis: Delphi consensus statement from the Fungal Infection Study Forum and Academy of Pulmonary Sciences, India**
Muthu et al.
The Lancet Infectious Diseases
4th April 2022

**Observational study on the assessment of prognostic factors for mortality in patients with SARS-CoV-2 pneumonia**
Spuntarelli et al
SN Comprehensive Clinical Medicine
5th April 2022

**Incidence of Pulmonary Tuberculosis under the Normal State of COVID-19 Epidemic Prevention and Control**
Wu et al
BMC Infectious Diseases
4th April 2022

**Longitudinal lung function assessment of patients hospitalised with COVID-19**
Saunders et al
7th April 2022

**Nonutility of procalcitonin for diagnosing bacterial pneumonia in COVID-19**
Cohen et al
5th April 2022

Treatment

**Estimated Health Outcomes and Costs Associated With Use of Monoclonal Antibodies for Prevention or Mitigation of SARS-CoV-2 Infections**
Park et al
JAMA
5th April 2022

**Fluvoxamine for Outpatient Management of COVID-19 to Prevent Hospitalization**
A Systematic Review and Meta-analysis
Todd et al.
JAMA
6th April 2022

**Association between Ivermectin treatment and mortality in Covid-19: A hospital-based case-control study**
Ravikirti et al
6th April 2022
Convalescent Plasma to Treat Covid-19: a Randomized Double Blind 2 Centers Trial
Fernandez-Sanchez et al
BMC Infectious Diseases
4th April 2022
This article is a preprint and has not been certified by peer review. It reports new medical research that has yet to be evaluated and so should not be used to guide clinical practice.

High incidence of sotrovimab resistance and viral persistence after treatment of immunocompromised patients infected with the SARS-CoV-2 Omicron variant
Huygens et al
6th April 2022
This article is a preprint and has not been certified by peer review. It reports new medical research that has yet to be evaluated and so should not be used to guide clinical practice.

Real-World Evidence of the Neutralizing Monoclonal Antibody Sotrovimab for Preventing Hospitalization and Mortality in COVID-19 Outpatients
Aggarwal et al
5th April 2022
This article is a preprint and has not been certified by peer review. It reports new medical research that has yet to be evaluated and so should not be used to guide clinical practice.

Combination of Baricitinib plus Remdesivir and Dexamethasone improves time to recovery and mortality among hospitalized patients with severe COVID-19 infection
Gutierrez et al
5th April 2022
This article is a preprint and has not been certified by peer review. It reports new medical research that has yet to be evaluated and so should not be used to guide clinical practice.

Vaccination

Determinants of uptake of a third dose of SARS-CoV-2 vaccines in patients with inflammatory bowel disease
Wellens et al.
The Lancet Gastroenterology and Hepatology

Covid-19: WHO suspends supplies of India’s Covaxin through UN agencies
The BMJ
6th April 2022

Assessment of Provision of COVID-19 Vaccination in Dialysis Clinics and Patient Vaccination Coverage
Priti et al.
JAMA
4th April 2022

Audio Interview: Do We Need a Fourth Dose of Covid Vaccine?
Rubin et al
NEJM
7th April 2022

Protection by a Fourth Dose of BNT162b2 against Omicron in Israel
Yinon et al
NEJM
5th April 2022
Vaccine Effectiveness of Two-Dose BNT162b2 Over Time Against COVID-19 Symptomatic Infection and Severe Cases Among Adolescents: Test Negative Design Case Control Studies in Brazil and Scotland
Florentino et al
SSRN
5th April 2022

Review of Clinical Trials of COVID-19 Vaccination Booster in SARS-CoV-2 Variants Era: To Take It Or Not To Take It?
Yan et al
SSRN
4th April 2022

COVID-19 mRNA Vaccine Effectiveness Against Severe Disease
Bansal et al
SSRN
4th April 2022

Increased seroprevalence and improved antibody responses following third primary SARS-CoV-2 immunisation: an update from the COV-AD study
Shields et al
5th April 2022
This article is a preprint and has not been certified by peer review. It reports new medical research that has yet to be evaluated and so should not be used to guide clinical practice.

Serious underlying medical conditions and COVID-19 vaccine hesitancy
Day et al
6th April 2022
This article is a preprint and has not been certified by peer review. It reports new medical research that has yet to be evaluated and so should not be used to guide clinical practice.

Analysis of immunization, adverse events, and efficacy of a fourth dose of BNT162b2 vaccine
Romero-Ibarguengoitia et al
6th April 2022
This article is a preprint and has not been certified by peer review. It reports new medical research that has yet to be evaluated and so should not be used to guide clinical practice.

Greenland-Bews
5th April 2022
This article is a preprint and has not been certified by peer review. It reports new medical research that has yet to be evaluated and so should not be used to guide clinical practice.

Academy of Fab stuff: https://fabnhsstuff.net/campaigns/cv-19

If you require an evidence search on a particular aspect of Covid-19 or with regards to a particular patient group please get in touch:

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Library & Evidence Services

Colchester Hospital Library
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Tel: 01206 742146

Ipswich Hospital Library
Hospital.library@esneft.nhs.uk
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