COVID-19 Evidence Bulletin 35

**UK Guidance**

**Public Health England**

PHE Literature Digest

16th Oct 2020
19th Oct 2020
21st Oct 2020

**COVID-19: infection prevention and control dental appendix** 20th October

**NHS England**

**Visiting healthcare inpatient settings during the COVID-19 pandemic**
Published on: 16 March 2020
Last modified on: 15 October 2020

**Infection Prevention and Control supporting documentation**
Published on: 28 April 2020
Last modified on: 20 October 2020

**HEE**

**Guidance on the support of mental health social workers working in NHS, independent or integrated services.**
Health Education England (HEE); 2020.
This guidance is designed to support all agencies that employ social workers. It has been produced to sit alongside the Local Government Association’s employers’ guidance and give detailed advice and support to develop the social work role across all mental health settings and organisations. It has been updated to reflect the contribution which social work can make to mental health services during the Covid-19 epidemic.

**SAGE**

**Drivers of the higher COVID-19 incidence, morbidity and mortality among minority ethnic groups, 23 September 2020** 9th October

**NHS Confederation**

**NHS Reset: New approaches in rehabilitation** | Phillip Anderson 16th October

**NHS Reset: Freedom to speak up in the COVID-19 pandemic and beyond** | Dr Henrietta Hughes OBE 15th October
NHS Providers

Workforce flexibility in the NHS: Utilising COVID-19 innovations (Briefing) 22nd October

Turning the tide for NHS staff (Blog) 22nd October

Nuffield Trust

How will Brexit affect the UK’s response to coronavirus? 14th October

International Guidance

WHO

Strategic considerations in preparing for deployment of COVID-19 vaccine and vaccination in the WHO European Region 9th October

European Centre for Disease Prevention and Control

Guidance for discharge and ending of isolation of people with COVID-19 16th October

COVID-19 infection prevention and control measures for primary care, including general practitioner practices, dental clinics and pharmacy settings: first update 19th October

Pharmacy

Specialist Pharmacy Service

Summary of COVID-19 medicines guidance: Anaesthesia and pain 21st October

Summary of COVID-19 medicines guidance: Cancers 21st October

National Homecare Medicines Committee (NHMC) Lessons learnt for homecare during Covid-19 pandemic 21st October

Evidence Based Summaries

Centre for Evidence Based Medicine

What is the role of T cells in COVID-19 infection? Why immunity is about more than antibodies 19th October

Covid-19: Hope for the Best, Prepare for the Worst – Advance Care Planning 20th October

Cochrane Library

21st October
New Special Collection published: Coronavirus (COVID-19): evidence relevant to clinical rehabilitation
New Cochrane Clinical Answer What are the benefits and harms of Chinese herbs combined with Western medicine for people with severe acute respiratory syndrome (SARS)? added to Coronavirus (COVID-19): evidence relevant to critical care

The Strategy Unit

COVID-19: breaking the cycle of deprivation and ill health October 2020

Royal Colleges / Associations: Latest & Updated Guidance

British Medical Association

BMA statement on the Terms and Conditions of Service for NHS Doctors and Dentists in Training (England) 2016 and junior doctor rostering during the response to the COVID-19 pandemic.
As a second wave of the COVID-19 pandemic progresses, alongside the backlog of elective work, and anticipated winter pressures, we can expect an extraordinary burden will fall on the NHS and those working within it. To ensure that efforts are sustainable in the weeks and months to come, it is of paramount importance that staff are not working in a manner that compromises their health, safety or wellbeing, nor that of their patients. 12 October.

Consultant workforce shortages and solutions: now and in the future.
British Medical Association (BMA); 2020.
The NHS workforce faces a perfect storm of consultants choosing to retire earlier, a significant proportion approaching retirement age and a growing trend of younger doctors walking away from their career. Covid-19 added significant additional pressure on the workforce with doctors working long hours, in new settings, while risking their own lives. This report sets out the actions that the government and employers need to take to ensure consultants are retained in the NHS.

COVID-19: PPE for doctors updated 15th October

British Society of Gastroenterology

An Update to AGIP Council Advice concerning GI Physiology Provision during the COVID-19 Pandemic
The AGIP Council is aware that much has changed since their initial advice was issued in May. AGIP continues to maintain that oesophageal manometry and pH measurement is an inherently aerosol generating procedure. AGIP acknowledges the recent advice issued by BSG for Endoscopy and recommend where appropriate aligning GI physiology procedures to those implemented by Endoscopy in your hospital.

Endoscopy services during COVID-19 second wave
Endoscopy and other specialised services have begun to recover, but in most areas remain well below their pre-COVID capacity. Hospital admissions with COVID-19 have started to increase and a second surge appears to have already started. There is real concern that the already fragile endoscopy services may become even more stretched, risking further delays to the diagnosis and treatment of potentially serious gastrointestinal and liver disorders.
British Thoracic Society

**Guidance for inpatient infection control management of patients receiving Acute Non-Invasive Ventilation and Long-Term Ventilation during and beyond COVID-19.**
Version 1.1. Updated 14th October

Royal College of Obstetricians and Gynaecologists

**Coronavirus (COVID-19) infection and pregnancy** Version 12 Updated 14th October

Royal College of Physicians

**COVID-19: Change to required hours of clinical practice – October 2020**
14th October

Reports

**Covid-19 experience: rapid review.**
This report has been prepared on the basis of discussion (hosted by National Voices) about patient/service users’ experience of "restart" of health and care services, following the coronavirus crisis and lockdown. The Patient Experience Library observed a rapid increase in reports of patient experience in relation to Covid-19 during this time. This rapid review offers an overview of the scale and nature of the literature, as a starting point for possible further research.

**Stories of shielding: life in the pandemic for those with health and care needs.**
National Voices; 2020.
This report is a compilation of the contributions to Our Covid Voices, a digital platform for people with health and care needs to share their experiences of the impact of the pandemic. The report will help inform any decisions taken in the future regarding the way the needs of this group of people are addressed.

Selected Papers:

**Artificial Intelligence**

**The rise of robots in surgical environments during COVID-19.**
In this Perspective, we outline detailed scenarios in the pre-, intra- and postoperative care, in which the use of robots and artificial intelligence can mitigate infectious contamination and aid patient management in the surgical environment during times of immense patient influx.

**Audiology**

**Sudden irreversible hearing loss post COVID-19.**
Paper reports a case of sudden onset sensorineural hearing loss (SSNHL) following COVID-19. Four other cases have been described in the literature. Screening for SSNHL following COVID-19 enables an early course of steroids, which offers the best chance of recovering hearing.
BAME

Deaths in people from Black, Asian and minority ethnic communities from both COVID-19 and non-COVID causes in the first weeks of the pandemic in London: a hospital case note review
Perkin MR, et al
BMJ Open 16th October

Case Vignette

Anticoagulation in Hospitalized Patients with Covid-19
Chowdhury, J et al
New England Journal of Medicine 22nd October

Cardiology

Electrocardiographic Changes and Arrhythmias in Hospitalized Patients With COVID-19
Moey, M et al
Circulation: Arrhythmia and Electrophysiology 15th September

Diabetes

Diabetes, hypertension and especially cardiovascular disease, are important risk factors for severity and mortality in COVID-19 infected people and are targets that must be intensively addressed in the management of this infection.

Early Warning / Risk prediction

Living risk prediction algorithm (QCOVID) for risk of hospital admission and mortality from coronavirus 19 in adults: national derivation and validation cohort study
Clift, A et al
BMJ 20th October
QCOVID® risk calculator: https://qcovid.org/

ANDC: an early warning score to predict mortality risk for patients with Coronavirus Disease 2019.
The prognostic nomogram exhibited good discrimination power in early identification of COVID-19 patients with high mortality risk, and ANDC score may help physicians to optimize patient stratification management.

General

Epidemiological Analysis of Patients Presenting to a West London District General Hospital Requiring Admission with Covid-19
Heald, E et al
MedRxiv 14th October
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.
Excess mortality in England and Wales during the first wave of the COVID-19 pandemic
Kontopantelis, E
Journal of Epidemiology and Community Health 15th October

Cytokine elevation in severe and critical COVID-19: a rapid systematic review, meta-analysis, and comparison with other inflammatory syndromes
Daniel E Leisman, Lukas Ronner, Rachel Pinotti, Matthew D Taylor, Pratik Sinha, Carolyn S Calfee, and others
The Lancet Respiratory Medicine: October 16, 2020

COVID-19 in the Healthy Patient Population
Demographic and Clinical Phenotypic Characterization and Predictors of In-Hospital Outcomes
Botero, D M Ronderos, et al
Arteriosclerosis, Thrombosis, and Vascular Biology 10 September

Evolution and effects of COVID-19 outbreaks in care homes: a population analysis in 189 care homes in one geographical region of the UK
Jennifer K Burton, Gwen Bayne, Christine Evans, Frederike Garbe, Dermot Gorman, Naomi Honhold, and others
The Lancet Healthy Longevity, Vol. 1, No. 1: October, 2020

Mapping physical access to health care for older adults in sub-Saharan Africa and implications for the COVID-19 response: a cross-sectional analysis
Pascal Geldsetzer, Marcel Reinmuth, Paul O Ouma, Sven Lautenbach, Emelda A Okiro, Till Bärnighausen, and others
The Lancet Healthy Longevity, Vol. 1, No. 1: October, 2020

Estimating the infection-fatality risk of SARS-CoV-2 in New York City during the spring 2020 pandemic wave: a model-based analysis
Wan Yang, Sasikiran Kandula, Mary Huynh, Sharon K Greene, Gretchen Van Wye, Wenhui Li, and others
The Lancet Infectious Diseases: October 19, 2020

Video consultations in primary and specialist care during the covid-19 pandemic and beyond
Car, J
BMJ 20th October

Long Covid

Living with Covid19
National Institute for Health Research15th October
A dynamic review of the evidence around ongoing Covid19 symptoms (often called Long Covid)

Attributes and predictors of Long-COVID: analysis of COVID cases and their symptoms collected by the Covid Symptoms Study App
Sudre, C et al
MedRxiv 21st October
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.
Summary: https://covid.joinzoe.com/post/long-covid
Multi-organ impairment in low-risk individuals with long COVID
Dennis, A
MedRxiv 16th October
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.

Medium-term effects of SARS-CoV-2 infection on multiple vital organs, exercise capacity, cognition, quality of life and mental health, post-hospital discharge
Raman, B
MedRxiv 18th October
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.

Persistent symptoms after Covid-19: qualitative study of 114 “long Covid” patients and draft quality criteria for services
Ladds, E
MedRxiv 14th October
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.

Nephrology

Caring for Dialysis Patients in a Time of COVID-19
Verma, A
Kidney Medicine 13th October

Obstetrics

“Clinical characteristics, symptoms, management and health outcomes in 8,598 pregnant women diagnosed with COVID-19 compared to 27,510 with seasonal influenza in France, Spain and the US: a network cohort analysis”
Lai, L et al
MedRxiv 14th October
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.

Oncology

The Safety of Contemporary Planned Cancer Surgery During the COVID-19 Pandemic
Shackley, D et al
MedRxiv 20th October
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.

Paediatrics

Systematic review of reviews of symptoms and signs of COVID-19 in children and adolescents
Viner, R
MedRxiv 18th October
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.

Synthesis and systematic review of reported neonatal SARS-CoV-2 infections
Raschetti, R et al
Nature 15th October
Privacy

Healthcare challenge: protecting patient data privacy during a global pandemic.
In the COVID-19 pandemic there has been an unprecedented increase in the number of critical patients, a switch to supporting existing patients ‘virtually’ in order to limit the spread of the deadly disease, and temporary requirements to report to multiple government organisations. These changes present challenges to the healthcare sector that security and privacy professionals have never seen before—at least not to this extent and with this amount of urgency.
Contact the library for a copy of this article

Radiology

COVID-19 pneumonia: high diagnostic accuracy of chest CT in patients with intermediate clinical probability.
Concordances between two chest radiologists to diagnose or exclude a COVID-19 pneumonia in 319 consecutive patients with intermediate clinical probability were very good (kappa: 0.82; p < .001). • When compared with RT-PCR results and patient outcomes, the diagnostic accuracy of CT to identify COVID-19 pneumonia was high (AUC: 0.94 and 0.92).

Sepsis

Cardiometabolic Traits, Sepsis and Severe COVID-19: A Mendelian Randomization Investigation
Ponsford, M et al
Circulation 23rd September

Transmission

What do we know about SARS-CoV-2 transmission? A systematic review and meta-analysis of the secondary attack rate and associated risk factors
Koh, W et al
Plos one 8th October

Treatment

Efficacy of Tocilizumab in Patients Hospitalized with Covid-19
Stone, J et al
New England Journal of Medicine 21st October

Repurposed antiviral drugs for COVID-19 –interim WHO SOLIDARITY trial results
WHO Solidarity Trial
MedRxiv 15th October
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.

Association Between Early Treatment With Tocilizumab and Mortality Among Critically Ill Patients With COVID-19
Gupta, S et al
JAMA Internal Medicine 20th October
Effect of Tocilizumab vs Usual Care in Adults Hospitalized With COVID-19 and Moderate or Severe Pneumonia. A Randomized Clinical Trial
Hermin, O et al
JAMA Internal Medicine 20th October

Effect of Tocilizumab vs Standard Care on Clinical Worsening in Patients Hospitalized With COVID-19 Pneumonia A Randomized Clinical Trial
Salvarani, C et al
JAMA Internal Medicine 20th October

Clinical characteristics and outcomes among hospitalized adults with severe COVID-19 admitted to a tertiary medical center and receiving antiviral, antimalarials, glucocorticoids, or immunomodulation with tocilizumab or cyclosporine: A retrospective observational study (COQUIMA cohort)
Guisado-Vasco P, et al
EClinical Medicine 15th October

Vaccines

Safety and immunogenicity of an inactivated SARS-CoV-2 vaccine, BBIBP-CorV: a randomised, double-blind, placebo-controlled, phase 1/2 trial
Shengli Xia•et al
The Lancet Infectious Diseases October 15, 2020

Safety and Immunogenicity of Two RNA-Based Covid-19 Vaccine Candidates
Walsh, E et al
New England Journal of Medicine 14th October

EvidenceAid (Systematic Reviews)

The COVID-19 (Coronavirus) pandemic is leading to a rapidly expanding and evolving literature. This evidence collection contains plain-language summaries of high-quality research which are available in English, and translated into French, Spanish, Portuguese, Arabic and Chinese (simplified and traditional).

The collection includes summaries of systematic reviews that might be relevant to the direct impact of COVID-19 (including reviews of emerging research, as well as existing reviews of relevant interventions) on health and other outcomes, the impact of the COVID-19 response on other conditions, and issues to consider for the recovery period after COVID-19

Ethical guidelines for the provision of videoconferencing-based mental health treatments
Added October 20, 2020

Financial interventions and movement restrictions to manage movement of healthcare workers between public and private organizations in LMICs
Added October 20, 2020

Interventions to improve vaccination uptake and cost effectiveness of vaccination strategies in newly arrived migrants
Added October 20, 2020
Online

**Digital health and care: learning from Covid-19 (virtual conference).**
From the benefits of emergency data gathering in order to work on new treatments, to the transfer of primary care services online, Covid-19 has been the catalyst bringing about the long-discussed digital revolution. With almost every part of the system shaken by Covid-19, was all digital change positive and what are the challenges still left to tackle? Join this King’s Fund event to hear the views of NHS and industry leaders.

Online
From: 2nd November, 2020 9:30am Until: 5th November, 2020 12:00pm
https://www.kingsfund.org.uk/events/digital-health-and-care

**Virtual Conference**

**Leading beyond Covid-19: transforming work and cultures (virtual conference)**
Kings Fund 23-26 November

**Learning from others**

Academy of Fab stuff: [https://fabnhsstuff.net/campaigns/cv-19](https://fabnhsstuff.net/campaigns/cv-19)

For a comprehensive and searchable database of Covid-19 research papers see LitCovid from Pubmed.

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:

**ESNEFT Library & Evidence Services**

**Colchester Hospital Library**
Library.services@esneft.nhs.uk
Tel: 01206 742146

**Ipswich Hospital Library**
Hospital.library@esneft.nhs.uk
Tel: 01473 702544

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