COVID-19 Evidence Bulletin 23

UK Guidance

Public Health England

PHE International Epidemiology Daily Evidence Digest
24th July 2020
27th July 2020
29th July 2020

COVID-19: paediatric surveillance updated 28th July

COVID-19: guidance for households with possible coronavirus infection updated 30th July

NICE

COVID-19 rapid guideline: arranging planned care in hospitals and diagnostic services [NG 179] Published 27th July

COVID-19 rapid guideline: haematopoietic stem cell transplantation [NG 164] Updated 29th July
On 29 July 2020, we amended recommendations on advice and testing for COVID-19 for patients and donors, and removed recommendations on deferring treatment for some patients to reflect changes in the risk of infection and the capacity in services

Department of Health and Social Care

Statement from the UK Chief Medical Officers on extension of self-isolation period: 30 July 2020

Health and care workers to self-isolate on return to UK from high-risk countries 30th July

NHS England & NHS Improvement

Tocilizumab for giant cell arteritis (GCA) during the COVID-19 pandemic (RPS 2007) Published 29th July

Investigating the deaths of healthcare and social care workers who died after contracting coronavirus Published 27th July


We are the NHS: People Plan for 2020/21 – action for us all Published 30th July
**NHS Confederation**

The NHS after COVID-19: the views of provider trust chief executives 29th July

NHS Reset: National actions to help local leaders improve staff experience 28th July

**NHS Digital**


This publication considers data relating to emergency admissions, mortality and positive COVID-19 tests for a subset of patients on the English shielded patient list vs an age-matched sample of the general population. This report does not evaluate the impact of shielding as it is not possible to reliably estimate what the emergency admission and mortality rates would have been if shielding had not been implemented.

**NHS Employers**

Supporting staff to return to the workplace. NHS Employers; 2020.

With the recent announcement to pause shielding for clinically vulnerable people from 1 August 2020, there will be greater numbers of staff returning to the workplace. This guidance outlines: the organisational considerations when planning for staff to return; tips for managers; signposts to useful resources; and good practice examples from NHS trusts.

**Health Education England**


COVID-19 illustrated how multi-professional working and adapting to local and patient needs is essential for providing high quality care. Our vision for the Future Doctor outlines how we can reform medical education so doctors better understand population needs, develop general skills and work effectively in multi-professional teams.

**International Guidance**

World Health Organisation

Safe Eid al Adha practices in the context of COVID-19: Interim guidance 25th July

Considerations for implementing mass treatment, active case-finding and population-based surveys for neglected tropical diseases in the context of the COVID-19 pandemic 27th July

**Pharmacy Information**

European Medicines Agency

Treatments and vaccines for COVID-19 Updated 24th July

**Evidence Based Summaries**
Centre for Evidence Based Medicine

**COVID-19 deaths in England and Wales: resolving discrepancies in deaths outside of hospital** 28th July

**The ethics of COVID-19 treatment studies: too many are open, too few are double-masked** 24th July

**Masking lack of evidence with politics** 23rd July

Cochrane Library

**What are the effects of convalescent plasma for people with COVID-19?** (Cochrane Clinical Answer) 24th July

**Royal Colleges / Associations: Latest & Updated Guidance**

**BMA**

**COVID-19: doctors isolating and those in vulnerable groups** Updated 29th July

**British Orthopaedic Association**

**Changes for resuming routine T&O (May 2020 onwards)** updated 27th July

**Royal College of Obstetrics and Gynaecology**

**Coronavirus (COVID-19) infection and pregnancy** Version 11. Updated 24th July

**Royal College of Ophthalmologists**

**Medical Retinal Management Plan during COVID-19** UPDATED 300320

Reports

**Resuming health services during the Covid-19 pandemic: What can the NHS learn from other countries?**
Nuffield Trust, 24th July

**Chart of the week: How much additional money has the pandemic response cost the NHS so far?**
Appleby J & Palmer B. Nuffield Trust. (published online 22/7/20).

**Testing Times: An ethical framework and practical recommendations for COVID-19 testing for NHS workers.**

**Thinking local and global: exploring the UK’s reliance on international nurses and the impact of COVID-19.**
Buchan J Shembavenkar N. The Health Foundation. (published online 24/7/20).
Restoration and recovery of stroke services during the COVID-19 pandemic.
Ford GA et al., GIRFT & Oxford AHSN.

Coronavirus will change attitudes to self care and NHS use, PAGB survey suggests.
Proprietary Association of Great Britain (PAGB); 2020.
Almost one in three people say they will use the NHS differently following the coronavirus pandemic, a PAGB survey has found. The poll found that A&E and GP services are less likely to be the first port of call for those with self-treatable conditions in future while more people will choose to care for themselves if they can.

Misinformation in the COVID-19 Infodemic.
House of Commons Digital, Culture, Media and Sport Committee; 2020.
This report finds that online misinformation about Covid-19 was allowed to spread virulently across social media without the protections offered by legislation promised by the government in the Online Harms White Paper published in April 2019. The report details evidence on a range of harms from dangerous hoax treatments to conspiracy theories that led to attacks on 5G engineers.

The Dr Will Zoom You Now: getting the most out of the virtual health and care experience.
National Voices; 2020.
Remote consultations and the use of technology offer some great opportunities to make significant improvements to general practice, hospital outpatient and mental health appointments, but making the most of this opportunity means understanding the patient experience. This report was a rapid, qualitative research study designed to understand the patient experience of remote and virtual consultations. The project was led in partnership with Traverse and Healthwatch England.

Selected Papers:

Cardiology

Trends in US Heart Transplant Waitlist Activity and Volume During the Coronavirus Disease 2019 (COVID-19) Pandemic
Ersilia M. DeFilippis, MD; Lauren Sinnenberg, MD; Nosheen Reza, MD; et al
JAMA Cardiology 22nd July

Critical Care

Early triage of critically ill COVID-19 patients using deep learning.
Liang W. Nature Communications 2020;11:3543.
[We show that a deep learning-based survival model can predict the risk of COVID-19 patients developing critical illness based on clinical characteristics at admission.]

General

Characteristics and outcomes of patients with COVID-19 at a district general hospital in Surrey, UK
Knights, H et al
Clinical Medical Journal, July 2020
Observations of the global epidemiology of COVID-19 from the pre-pandemic period using web-based surveillance: a cross-sectional analysis
Fatimah S Dawood, Philip Ricks, Gibril J Njie, Michael Daugherty, William Davis, James A Fuller, and others
The Lancet Infectious Diseases July 29, 2020

Effects of human mobility restrictions on the spread of COVID-19 in Shenzhen, China: a modelling study using mobile phone data
Ying Zhou•Renzhe Xu•Dongsheng Hu•Yang Yue•Qingquan Li•Jizhe Xia
The Lancet Digital Health, Vol. 2, No. 8 August, 2020

Case characteristics, resource use, and outcomes of 10 021 patients with COVID-19 admitted to 920 German hospitals: an observational study
Christian Karagiannidis•Carina Mostert•Corinna Hentschker•Thomas Voshaar•Jürgen Malzahn•Gerhard Schillinger•Jürgen Klauber•Uwe Janssens•Gernot Marx•Steffen Weber-Carstens•Stefan Kluge•Michael Pfeifer•Linus Grabenhenrich•Tobias Welte•Reinhard Busse
The Lancet Respiratory Medicine July 28, 2020

Haematology

Effects of the COVID-19 pandemic on supply and use of blood for transfusion.
A reduction in donor numbers has largely been matched by reductions in demand for transfusion. Contingency planning includes prioritisation policies for patients in the event of predicted shortage. A range of strategies maintain ongoing equitable access to blood for transfusion during the pandemic, in addition to providing new therapies such as convalescent plasma.

Health Inequality

Indigenous Australians at increased risk of COVID-19 due to existing health and socioeconomic inequities
Aryati Yashadhana, Nellie Pollard-Wharton, Anthony B. Zwi, Brett Biles
The Lancet Regional Health - Western Pacific July 24, 2020

Infection Prevention

Infectious Diseases Society of America Guidelines on Infection Prevention for Health Care Personnel Caring for Patients with Suspected or Known COVID-19
Lynch, B et al
Clinical Infectious Diseases 27th July

Mental Health

Implementation of Home-Based Telemental Health in a Large Child Psychiatry Department During the COVID-19 Crisis.
In this study, we present the implementation of a home-based telemental health (HB-TMH) service during the COVID-19 pandemic. Our experience provides a roadmap for establishing a HB-TMH service with focus on rapid implementation. It also demonstrates a role for TMH
during (rather than after) future crises when usual community resources are not available.

**Mental Health During the Covid-19 Outbreak in China: a Meta-Analysis.**
Ren. *Psychiatric Quarterly* 2020;:Online First.
Our meta-analysis showed that the pooled prevalence of anxiety and depression was 25% and 28%, respectively. Given the fact that previous findings indicated both groups of people suffered from stress, and healthcare professionals continue to experience substantial psychological distress, even 1–2 year after the SARS outbreak, we should continue perfecting our psychological first aid system. As the epidemic is ongoing, not only the people but also our healthcare systems need to be prepared.

**Neonatal**

**Prevention and control measures for neonatal COVID-19 infection: a scoping review.**
Among the main measures are the use of masks by suspected or infected people in contact with healthy newborns, hand hygiene before and after each care and feeding as well as the tools used for milking.

**Neonatal management and outcomes during the COVID-19 pandemic: an observation cohort study**
Christine M Salvatore•Jin-Young Han•Karen P Acker•Priyanka Tiwari•Jenny Jin•Michael Brandler•Carla Cangemi•Laurie Gordon•Aimee Parow•Jennifer DiPace•Patricia DeLaMora
The Lancet Child & Adolescent Health July 23, 2020

**Orthopaedics**

**Identifying Modifiable Risk factors for Significant Paediatric Orthopaedic Trauma**
By Tim Gardner, Mike Reidy and Simon Barker
TJTO&C - The Transient Journal of Trauma, Orthopaedics and the Coronavirus 29th July

**Changing perceptions during the COVID-19 pandemic peak in the UK**
Thomas Collins and Anand Pillai
TJTO&C - The Transient Journal of Trauma, Orthopaedics and the Coronavirus 28th July

**Paediatrics**

**Ketoacidosis in Children and Adolescents With Newly Diagnosed Type 1 Diabetes During the COVID-19 Pandemic in Germany**
Clemens Kamrath, MD; Kirsten Mönkemöller, MD; Torben Biester, MD; et al
JAMA 20th July (Research letter)

**Multi-Inflammatory Syndrome in Children related to SARS-CoV-2 in Spain**
Moraleda, C et al
Clinical Infectious Diseases 25th July

**Systematic SARS-CoV-2 screening at hospital admission in children:a French prospective multicenter study**
Poline, J et al
Clinical Infectious Diseases 25th July

**Radiography**
The role of chest radiography in confirming covid-19 pneumonia.
Cleverley J. BMJ 2020;370:m2426

Testing

Point-of-care serological assays for delayed SARS-CoV-2 case identification among health-care workers in the UK: a prospective multicentre cohort study
Scott J C Pallett, Michael Rayment, Aatish Patel, Sophia A M Fitzgerald-Smith, Sarah J Denny, Esmita Charani, and others
The Lancet Respiratory Medicine July 24, 2020

Transmission

The Infectious Nature of Patient-Generated SARS-CoV-2 Aerosol
medRxiv 2020; preprint.
This article is a preprint, research has yet to be evaluated and so should not be used to guide clinical practice.

... We collected aerosol samples around six patients admitted into mixed acuity wards in April of 2020 to identify the risk of airborne SARS-CoV-2. ... The infectious nature of aerosol collected in this study further suggests that airborne transmission of COVID-19 is possible, and that aerosol prevention measures are necessary to effectively stem the spread of SARS-CoV-2.

Treatment

Efficacy and safety of umifenovir for coronavirus disease 2019 (COVID-19): A systematic review and meta-analysis
There is no evidence to support the use of umifenovir for improving patient-important outcomes in patients with COVID-19.

No body is expendable: Medical rationing and disability justice during the COVID-19 pandemic.
Andrews EE. American Psychologist 2020; Online First.
We discuss the psychology of ableism, perceptions about quality of life, social determinants of health, and how attitudes toward disability can affect rationing decisions and access to care. We call on psychologists to advocate for social justice in pandemic preparedness, promote disability justice in health care settings, call for transparency and accountability in rationing approaches, and support policy changes to proactively reduce the need for rationing.

Hydroxychloroquine with or without Azithromycin in Mild-to-Moderate Covid-19
Cavalcanti, A et al
New England Journal of Medicine 23rd July

Vascular

Fontana P. Swiss Medical Weekly 2020;150:w20301.
Venous thromboembolism very commonly complicates the clinical course of inpatients with COVID-19, despite thromboprophylaxis. The risk appears highest among critically ill inpatients. We found no estimates of risks among outpatients. Many questions remain
unresolved, as delineated by the heterogeneity of national and international guidelines. This situation calls for fast randomised clinical trials, comparing different schemes of thromboprophylaxis in COVID-19 inpatients.

**Thrombosis in Hospitalized Patients With COVID-19 in a New York City Health System**
Seda Bilaloglu, MS; Yin Aphinyanaphongs, MD, PhD; Simon Jones, PhD, MSc; et al
JAMA 20th July (research letter)

**Webinar**

Webinar: What does the pandemic mean for the nation’s health and health inequalities?
12th August - The Health Foundation

**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](https://www.ncbi.nlm.nih.gov/pmc/articles/PMC7245018/)

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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**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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