

COVID-19 Evidence Bulletin

1st October 2021

Details of new guidance and evidence relating to the response to COVID-19. Please check SaTH, NHS and Government guidance in conjunction with these resources where necessary.

General

COVID-19: Management in hospitalized adults [evidence summary from UpToDate]

Available [here](#). Last updated 14th September

COVID-19 rapid guideline: managing COVID-19 [National Institute for Health and Care Excellence]

[In September 2021, NICE added new recommendations on non-invasive respiratory support and doxycycline, and updated existing recommendations on heparins.]

Available [here](#)

Antibody and Cellular Therapies

Antibody and cellular therapies for treatment of covid-19: a living systematic review and network meta-analysis [Siemieniuk RA. *BMJ*]

[In patients with non-severe covid-19, casirivimab-imdevimab probably reduces hospitalisation; bamlanivimab-etesevimab, bamlanivimab, and sotrovimab may reduce hospitalisation. Convalescent plasma, IVIg, and other antibody and cellular interventions may not confer any meaningful benefit.]

Available [here](#)

Critical Care

Clinical guide for the management of critical care for adults with COVID-19 during the Coronavirus pandemic [The Faculty of Intensive Care Medicine]

[This clinical guidance provides contemporary information for practising clinicians caring for critically ill adult patients with COVID-19. Whilst many of these patients will be cared for on intensive care units, some patients receiving continuous positive airways pressure (CPAP) and/or non-invasive ventilation (NIV) may be cared for on specialist respiratory wards.]

Available [here](#). Section 5 'Management of respiratory failure' updated 16th August.

Diabetes

Pre-admission glucagon-like peptide-1 receptor agonist (GLP-1RA) and mortality from coronavirus disease 2019 (Covid-19): A systematic review, meta-analysis, and meta-regression [Hariyanto

TI. *Diabetes Research and Clinical Practice*]

[Meta-analysis (9 studies, n=19,660) found that pre-admission use of GLP-1RA was associated with reduction in mortality rate from Covid-19 in patients with diabetes mellitus (OR 0.53; 95 %CI: 0.43–0.66, p<0.00001), a finding that requires confirmation in further trials.]

Available [here](#)

Drug Therapy

Updated Treatment Guidelines for COVID-19 [Shrewsbury and Telford Hospital NHS Trust]

[The treatment pathway for COVID-19 has been updated here to include the new available medicines; sarilumab (Kevzara®) and combination medicine; casirivimab and imdevimab (Ronapreve®).]

Available on the SaTH Intranet [here](#)

Getting ready to use casirivimab and imdevimab: guidance for Chief Pharmacists [Specialist Pharmacy Service]

[This guidance for Chief Pharmacists supports the pharmacy institutional readiness for the management of casirivimab and imdevimab in COVID-19 infection.]

Available [here](#)

Cost utility analysis of Remdesivir and Dexamethasone treatment for hospitalised COVID-19 patients - a hypothetical study [Carta A. *BMC Health Services Research*]

[We find that the use of Remdesivir and/or Dexamethasone is effective from an economic standpoint.]

Available [here](#)

Remdesivir plus standard of care versus standard of care alone for the treatment of patients admitted to hospital with COVID-19 (DisCoVeRy): a phase 3, randomised, controlled, open-label trial [Ader F. *The Lancet Infectious Diseases*]

[The antiviral efficacy of remdesivir against SARS-CoV-2 is still controversial. We aimed to evaluate the clinical efficacy of remdesivir plus standard of care compared with standard of care alone in patients admitted to hospital with COVID-19, with indication of oxygen or ventilator support. No clinical benefit was observed from the use of remdesivir in patients who were admitted to hospital for COVID-19, were symptomatic for more than 7 days, and required oxygen support.]

Available [here](#)

Education and Training

The experiences of student nurses in a pandemic: a qualitative study [Godbold R. *Nurse Education in Practice*]

[This study aims to record and learn from the experiences of students working on clinical placement in a pandemic. In March of 2020, final and second year student nurses in England were given the option to join the Covid-19 pandemic work-force, paid as high-level health care assistants.]

Available [here](#)

Emergency Care

Adaptation of ED design layout during the COVID-19 pandemic: a national cross-sectional survey [Douillet D. *Emergency Medicine Journal*]

[All EDs have adapted, but many of the changes recommended for the organisation of ED could not be implemented. ED architecture constrains adaptive capacities in the context of COVID-19.]

Available [here](#)

Exercise-induced hypoxia among emergency department patients admitted for suspected COVID-19 [Davies P. *Emergency Medicine Journal*]

[This observational study demonstrates an association between EIH and a COVID-19 diagnosis. Over one-third of patients with COVID-19 and EIH exhibited no radiographic changes. EIH may represent an additional tool to help predict a COVID-19 diagnosis at initial presentation and may assist in triaging need for admission.]

Available [here](#)

Gastroenterology

Stoma care services during the COVID-19 pandemic [Burch J. *British Journal of Nursing*]

[How stoma services will be conducted in the future is uncertain, but it is likely that patients may benefit from lessons learned during the pandemic]

Available [here](#) (NHS OpenAthens account required)

Health Services

Manifesto for recovery: The health and care system after COVID-19

NHS Confederation; 2021.

[How the health and care sector can address the challenges, and sustain the beneficial changes, brought about by the pandemic.]

Available [here](#)

Associations between remote patient monitoring programme responsiveness and clinical outcomes for patients with COVID-19 [Steinberg R. *BMJ Open Quality*]

[Conclusion: Telemedicine and remote patient monitoring (RPM) programme engagement (vs no engagement) were associated with better outcomes, but this was likely due to differences in groups at baseline rather than the efficacy of our intervention alone.]

Available [here](#)

A reckoning: the continuing cost of COVID-19 [NHS Confederation & NHS Providers]

[This joint briefing by NHS Providers and the NHS Confederation, based on survey data from 54% of the provider sector, explains the long-term impact of the pandemic on the NHS's day-to-day running costs, and calls on the government to ensure these costs are met in full.]

Available [here](#)

COVID-19 shared learning from NHS trusts [NHS Employers]

[Despite the relentless pressures of COVID-19 on NHS trusts, we have seen innovation, transformational change, and real improvements to enhance the experience of staff across the service. This page presents seven examples of good practice from trusts that have adapted and innovated during the pandemic.]

Available [here](#)

The NHS Long Term Plan and COVID-19: Assessing progress and the pandemic's impact [The Health Foundation]

[This analysis looks at progress on the main pledges in the NHS Long Term Plan and the impact of COVID-19 on their delivery]

Available [here](#)

Long COVID

Updated estimates of the prevalence of post-acute symptoms among people with coronavirus (COVID-19) in the UK: 26 April 2020 to 1 August 2021 [Office for National Statistics]

[Experimental estimates of the percentage of people testing positive for Covid-19 who experience ongoing symptoms for at least 4 weeks after infection ('long Covid') range from 3.0% to 11.7% using three approaches, analysing data up to August 2021.]

Available [here](#)

Strategies and policies to tackle the problems associated with long COVID [Glasper A. *British Journal of Nursing* 2021]

[The author discusses strategies and policies designed to address rising levels of long COVID in society in the aftermath of the pandemic. On 15 June 2021 NHS England and NHS Improvement (2021a) published Long COVID: The NHS plan for 2021/22, which seeks to build on the previous NHS England and NHS Improvement (2020) five-point plan for long COVID support.]

Available [here](#) (NHS OpenAthens account required)

How Common Is Long COVID in Children and Adolescents? [Zimmerman, P. *The Pediatric Infectious Disease Journal*]

[We reviewed the 14 studies to date that have reported persistent symptoms following COVID in children and adolescents]

Available [here](#)

Risk Prediction

Predictive accuracy of enhanced versions of the on-admission National Early Warning Score in estimating the risk of COVID-19 for unplanned admission to hospital: a retrospective development and validation study [Faisal M. *BMC Health Services Research*]

[We investigate the performance of multiple enhanced NEWS2 models in predicting the risk of COVID-19. Model M2' appears to be reasonably accurate for predicting the risk of COVID-19. It may be clinically useful as an early warning system at the time of admission especially to triage large numbers of unplanned hospital admissions.]

Available [here](#)

Risk prediction of covid-19 related death and hospital admission in adults after covid-19 vaccination: national prospective cohort study [Hippisley-Cox J. *BMJ*]

[This population based risk algorithm performed well showing high levels of discrimination for identifying those patients at highest risk of covid-19 related death and hospital admission after vaccination.]

Available [here](#)

Staff Wellbeing

Experiences of frontline healthcare workers and their views about support during COVID-19 and previous pandemics: a systematic review and qualitative meta-synthesis [Billings J. *BMC Health Services Research*]

[The experiences of healthcare workers during the COVID-19 pandemic are not unprecedented; the themes that arose from previous pandemics and epidemics were remarkably resonant with what we are hearing about the impact of COVID-19 globally today. We have an opportunity to learn from the lessons of previous crises, mitigate the negative mental health impact of COVID-19 and support the longer-term wellbeing of the healthcare workforce worldwide.]

Available [here](#)

Transplantation Services

Providing post-lung transplant care during the time of COVID-19 [Winward S. *British Journal of Nursing*]

[The COVID-19 pandemic is a public health emergency of international concern. Solid organ transplant recipients have been identified as being at high risk of acquiring the virus SARS-CoV-2 and having a more severe COVID-19 disease. This article describes the experience of the National Lung Transplant Centre in Ireland in changing established care pathways for lung transplant recipients during the pandemic.]

Available [here](#) (NHS OpenAthens account required)

Vaccination

JCVI statement, September 2021: COVID-19 booster vaccine programme for winter 2021 to 2022

[Department of Health and Social Care]

[This statement sets out JCVI's advice on the options for and timing of a booster programme to re-vaccinate adults against COVID-19.]

Available [here](#)

Vaccine-induced immune thrombocytopenia and thrombosis (VITT)

Guidance from the Expert Haematology Panel (EHP) on Covid-19 Vaccine-induced Immune Thrombocytopenia and Thrombosis (VITT) [British Society for Haematology]

[Updated Guidance on Management. Version 2.2 31 August 2021]

Available [here](#)

COVID-19: Vaccine-induced immune thrombotic thrombocytopenia (VITT) [evidence summary from UpToDate]

Available [here](#). Last updated 24th September

KnowledgeShare Evidence Alerts

KnowledgeShare contains many updates on COVID-19 that can be accessed from the KnowledgeShare website without a password. If you'd like to receive these by email (along with updates on any other topics of interest) please complete the [form](#).

About this bulletin

The COVID-19 Evidence Bulletin is prepared by Shrewsbury and Telford Health Libraries. Links to the full-text of items listed is provided where available, but if you need copies of any items where no full-text is available, please request them the Article Request form. Some items may require an [NHS OpenAthens account](#).

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