

Current awareness for Nursing

Recent guidelines and reports, articles and websites

March 2020

Guidelines

The following new guidance has recently been published:

[Guidance on Prescribing, Dispensing, Supplying and Administration of Medicines.](#)

Royal College of Nursing (RCN) & Royal Pharmaceutical Society; 2020.

<https://www.rcn.org.uk/professional-development/publications/pub-009013>

This publication provides information on the Royal College of Nursing and Royal Pharmaceutical Society's position on the prescribing, dispensing, supplying and administration of medicines.

Freely available online

[Ketamine procedural sedation for children in the emergency department](#)

Royal College of Emergency Medicine (RCEM);2020.

[https://www.rcem.ac.uk/docs/RCEM%20Guidance/Ketamine%20procedural%20sedation%20for%20childr en%20in%20EDs%20\(Feb%202020\).pdf](https://www.rcem.ac.uk/docs/RCEM%20Guidance/Ketamine%20procedural%20sedation%20for%20childr en%20in%20EDs%20(Feb%202020).pdf)

This guideline is to assist emergency physicians using intravenous ketamine as the sole agent for procedural sedation in children in the Emergency Department (ED) only. This guidance is intended to be an adjunct to existing guidance on safe procedural sedation

Freely available online

[Sepsis and the Emergency Department](#)

Royal College of Emergency Medicine (RCEM);2020.

[https://www.rcem.ac.uk/docs/RCEM%20Guidance/RCEM%20Position%20statement%20-%20Sepsis%20\(Feb%202020\).pdf](https://www.rcem.ac.uk/docs/RCEM%20Guidance/RCEM%20Position%20statement%20-%20Sepsis%20(Feb%202020).pdf)

Patients attending the Emergency Department as a result of infection represent a significantly larger group than those attending with sepsis or septic shock. Whilst recognizing that the incidence of 'true sepsis' or septic shock is relatively low, RCEM acknowledges it is nonetheless a devastating illness and Emergency Departments have a key role in managing this condition

Freely available online

[SGLT2 inhibitors: monitor ketones in blood during treatment interruption for surgical procedures or acute serious medical illness.](#)

Medicines and Healthcare Products Regulatory Agency (MHRA); 2020.

<https://www.gov.uk/drug-safety-update/sglt2-inhibitors-monitor-ketones-in-blood-during-treatment-interruption-for-surgical-procedures-or-acute-serious-medical-illness>

Drug Safety Update. SGLT2 inhibitor treatment should be interrupted in patients who are hospitalised for major surgical procedures or acute serious medical illnesses and ketone levels measured, preferably in blood rather than urine. Treatment may be restarted when the ketone values are normal and the patient's condition has stabilised.

Freely available online

Reports

The following report(s) may be of interest:

[Corridor Care: Survey Results.](#)

Royal College of Nursing (RCN); 2020.

<https://www.rcn.org.uk/professional-development/publications/pub-009150>

This document records the findings of an online survey sent to 7,106 members of the RCN's Emergency Care Association network exploring their experiences of corridor care.

Freely available online

[Health equity in England: the Marmot Review 10 years on.](#)

Institute of Health Equity; 2020.

<https://www.health.org.uk/publications/reports/the-marmot-review-10-years-on>

This report marks 10 years since the publication of Fair society, healthy lives which set out an analysis of the causes of health inequalities and what needed to be done to address them. It explores what has happened in the decade since then, highlighting that: people can expect to spend more of their lives in poor health; improvements to life expectancy have stalled, and declined for the poorest 10% of women; and the health gap has grown between wealthy and deprived areas.

Freely available online

[ICU admission decision support tool showed promise but was rarely used.](#)

NIHR Dissemination Centre; 2020.

<https://discover.dc.nihr.ac.uk/content/signal-000882/icu-admission-decision-support-tool-showed-promise-but-was-rarely-used>

NIHR Signal. A decision support tool developed to help doctors determine whether patients should be admitted to intensive care showed promise in facilitating patient-clinician communication, but was not often used by doctors, with fewer than 30% using the forms.

Freely available online

[Leading with empathy.](#)

NHS Improvement; 2020.

<https://improvement.nhs.uk/resources/leading-with-empathy/>

A case study of how East Lancashire Hospitals NHS Trust are using a modern, supportive approach to staff development to successfully combat longstanding recruitment challenges and rising rates of staff turnover and absence. Implementing a recruitment campaign and a training and development strategy to support and nurture their staff, the ED has seen nursing vacancies reduce, and sickness absence improve significantly - with a reciprocal improvement in bank and agency spending.

Freely available online

[Londoners did.](#)

Mental Health Foundation (MHF); 2020.

<https://www.mentalhealth.org.uk/publications/londoners-did>

The Thrive LDN was launched in 2017 with the aim of creating a collective movement across London, supporting everyone to speak openly about mental health and have an equal opportunity to thrive. This report illustrates how this partnership of Londoners is delivering real change in their communities. It includes reports from Lambeth, Southwark and Lewisham, eg the Lambeth Black Thrive improvement partnership between the borough's Black Caribbean and African residents and statutory services.

Freely available online

[National Early Warning Score systems that alert to deteriorating adult patients in hospital.](#)

National Institute for Health and Care Excellence (NICE); 2020.

<https://www.nice.org.uk/advice/mib205>

NICE has developed a medtech innovation briefing (MIB) on National Early Warning Score systems that alert to deteriorating adult patients in hospital. The 5 technologies described in this briefing are integrated software systems that output the national early warning score for adult patients in hospital.

Freely available online

[The NHS nursing workforce.](#)

National Audit Office (NAO); 2020.

<https://www.nao.org.uk/report/nhs-nursing-workforce/>

This report sets out the facts on the scale of the NHS nursing workforce challenge; the challenges to the main entry routes to NHS nursing and more general workforce-related challenges that any future plans will need to address; and the progress made on the People Plan.

Freely available online

[New to Care.](#)

NHS Improvement; 2020.

<https://improvement.nhs.uk/resources/new-to-care/>

A case study of how University Hospitals Plymouth (UHP) NHS Trust tackled its issues with nursing recruitment and retention by developing a clear pathway for staff development and progression.

Freely available online

[Structured nurse ward rounds support accountability and risk management but not nurse-patient communication.](#)

NIHR Dissemination Centre; 2020.

<https://discover.dc.nihr.ac.uk/content/signal-000886/structured-nurse-ward-rounds-bring-mixed-outcomes>

NIHR Signal. Intentional rounding was introduced as a UK Government policy imperative to facilitate regular interactions between nurses and patients following high profile care failures at the Mid Staffordshire NHS Foundation Trust. However, this NIHR-funded mixed-methods study suggests that intentional rounding may result in more brief task-orientated nurse-patient interactions rather than better quality interactions tailored to patient needs.

Freely available online

[Understanding Aseptic Technique: An RCN investigation into clinician views to guide the practice of aseptic technique.](#)

Royal College of Nursing (RCN); 2020.

<https://www.rcn.org.uk/professional-development/publications/pub-007928>

Aseptic technique is recognised as an essential component of all infection prevention programmes but terminology used to define it varies. This publication is an RCN investigation into clinical views to guide the practice of aseptic technique.

Freely available online

Articles

The following journal articles are available from the Library and Knowledge Service electronically or in print. Please follow links to access full text online, contact me to order copies, or call into the library.

[A Systematic Review and Meta-Analysis of Clinical Effectiveness and Safety of Hydrogel Dressings in the Management of Skin Wounds.](#)

Zhang L. *Frontiers in Bioengineering and Biotechnology* 2019;7:342.

This comprehensive systematic review and meta-analysis of the available evidence reveals that the application of hydrogel dressings advances the healing of various wound types and effectively alleviates the pain with no severe adverse reactions. These results strongly indicate that hydrogel products are effective and safe in wound management. *Freely available online*

[**A Systematic Review and Meta-Analysis of Hyperbaric Oxygen Therapy for Diabetic Foot Ulcers With Arterial Insufficiency.**](#)

Brouwer RJ. *Journal of Vascular Surgery* 2020;71(2):682-692.e1 .

Current evidence shows that adjuvant HBOT improves major amputation rate, but not wound healing, in patients with DFUs and PAOD. Given the wide range of patients included in the trials, better patient selection may help define which patients with DFUs and PAOD benefit most from HBOT as standard adjunctive treatment.

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[**Characteristics of successful changes in health care organizations: an interview study with physicians, registered nurses and assistant nurses.**](#)

Nilsen P. *BMC Health Services Research* 2020;20(1):147.

The aim was to investigate the characteristics of changes of relevance for the work of health care professionals that they deemed successful. Organizational changes in health care are more likely to succeed when health care professionals have the opportunity to influence the change, feel prepared for the change and recognize the value of the change, including perceiving the benefit of the change for patients. *Freely available online*

[**Comparative value of a simulation by gaming and a traditional teaching method to improve clinical reasoning skills necessary to detect patient deterioration: a randomized study in nursing students.**](#)

Blanié A. *BMC Medical Education* 2020;20(1):53.

Early detection and response to patient deterioration influence patient prognosis. Nursing education is therefore essential. The objective of this randomized controlled trial was to compare the respective educational value of simulation by gaming (SG) and a traditional teaching (TT) method to improve clinical reasoning (CR) skills necessary to detect patient deterioration.

Freely available online

[**Current issues with the identification of threshold concepts in nursing.**](#)

Crookes P. *Nurse Education in Practice* 2020;42:102682.

While there has been some growth in the body of literature on threshold concepts in health science disciplines, the nature of this discourse and which approaches have proved successful remains unclear. This paper illustrates one of the primary issues facing the development of threshold concepts in nursing education literature specifically – a lack of transparent and rigorous processes for their identification.

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[**Defining patient communication needs during hospitalization to improve patient experience and health literacy.**](#)

Marca-Frances G. *BMC Health Services Research* 2020;20(1):131.

In order to play an active role in their health care, patients need information and motivation. Current delivery systems limit patients' involvement because they do not routinely provide them with enough details of their own clinical results, conditions and other important clinical data. The purpose of this study was to identify, from the perspective of patients, which topics matter the most, who should be communicating them, and when and how should they be provided. *Freely available online*

[**Describing and evaluating a foundational education/training program preparing nurses, midwives and other helping professionals as supervisors of clinical supervision using the Role Development Model.**](#)

Harvey S. *Nurse Education in Practice* 2020;42:102671.

Clinical supervision is a strategy supporting nurses, midwives and other healthcare professionals in the provision of quality healthcare. Clinical supervision involves regular, protected time for reflection. Adequately prepared supervisors are essential, however there is limited knowledge about education/training programs and even less about those that are not discipline-specific.

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[**Educating nurses to deliver optimum care to military veterans and their families.**](#)

Finnegan A. *Nurse Education in Practice* 2020;42:102654.

The aim of the project was to help prepare the future nursing workforce to provide optimum care for the Armed Forces Community. Structured evidenced-based educational sessions were designed and then delivered at two Universities in England. This educational model included a flipped approach, didactic classroom teaching, blended learning, and information technology.

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[**Effect of an educational programme on the attitudes towards patient safety of operation room nurses.**](#)

Habahbeh AA. *British Journal of Nursing* 2020;29(4):222-228.

A culture of patient safety is one of the cornerstones of good-quality healthcare, and its provision is one of the significant challenges in healthcare environments. The purpose of this study was to evaluate the effect of a surgical safety educational programme on the attitudes of nurses to patient safety in operating rooms (OR).

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[**Effects of a single interprofessional simulation session on medical and nursing students' attitudes toward interprofessional learning and professional identity: a questionnaire study.**](#)

Burford B. *BMC Medical Education* 2020;20(1):65.

Participation in simulation-based interprofessional education (sim-IPE) may affect students' attitudes towards interprofessional learning (through gaining experience with others) and their professional identity (by increasing the 'fit' of group membership). We examined this in two questionnaire studies involving students from four universities in two areas of the UK.

Freely available online

[**Efficacy of MMP-inhibiting Wound Dressings in the Treatment of Hard-To-Heal Wounds: A Systematic Review.**](#)

Dissemond J. *Journal of Wound Care* 2020;29(2):102-118.

Indications included diabetic foot ulcers, venous leg ulcers, pressure ulcers or wounds of mixed origin. Patient-relevant endpoints comprised wound size reduction, complete wound closure, healing time and rate. Considerable differences in the quality and subsequent clinical evidence exist between the studies identified. Substantial evidence for significant improvement in healing was identified only for some dressings.

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[**Enhancing teamwork communication and patient safety responsiveness in a paediatric intensive care unit using the daily safety huddle tool.**](#)

Aldawood F. *BMJ Open Quality* 2020;9(1):doi: 10.1136/bmjopen-2019-000753.

Conclusions: Systematic use of daily safety huddle is a powerful tool to create an equitable environment where frontline staff can speak up freely about daily patient safety concerns. The huddle leads to a more open and active discussion with unit leadership and to the ability to perform the right action at the right time. *Freely available online*

[**From staff nurse to nurse consultant: survival Guide part 9: combining parenthood and work.**](#)

Fowler J. *British Journal of Nursing* 2020;29(4):252.

If you have ever tried to plan the 'off-duty' rota you will appreciate the difficulties involved in trying to accommodate all the requests and restrictions made by your staff because of their social and personal commitments. Some staff care for elderly relatives, many have young children, and everyone has a social life with regular commitments.

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[Improving end-of-rotation transitions of care among ICU patients.](#)

Denson JL. *BMJ Quality & Safety* 2020;29(3):250-259.

Conclusions: In this controlled pilot study, a structured ICU end-of-rotation care transition strategy was feasible to implement with high fidelity. While mortality and LOS were not affected in a pilot study with limited power, the pragmatic strategy of this intervention holds promise for future trials. *Freely available online*

[Improving urinary catheterisation practices in a rural hospital in Ontario.](#)

Gazarin M. *BMJ Open Quality* 2020;9(1): doi: 10.1136/bmjoc-2019-000703 .

Discussion/conclusion This study aimed to reduce the inappropriate use of urinary catheters in a rural hospital with limited resources. The findings indicate that by using a change model, such as the Influencer Change Model, it is possible to promote better patient care through empowering healthcare staff to implement accepted protocols more stringently and thereby to decrease the inappropriate use of urinary catheters to 0%. *Freely available online*

[Meta-analysis: Predictive Validity of Braden for Pressure Ulcers in Critical Care.](#)

Wei M. *Nursing in Critical Care* 2020;:DOI: 10.1111/nicc.12500.

This meta-analysis demonstrated that the Braden Scale had a moderate predictive validity with good sensitivity and low specificity in adult critically ill patients. Further development and modification of this tool or generation of a new tool with higher predictive power is warranted for use in ICU populations. *Available with an NHS OpenAthens password for eligible users*

[Predicting the need for supportive services after discharged from hospital: a systematic review.](#)

Kobewka DM. *BMC Health Services Research* 2020;20(1):161.

Some patients admitted to acute care hospital require supportive services after discharge. The objective of our review was to identify models and variables that predict the need for supportive services after discharge from acute care hospital. Deficits in physical function and activities of daily living, age, absence of an informal care giver and frailty have the strongest evidence as determinants of the need for support services after hospital discharge. *Freely available online*

[Perioperative Care of the Obese Patient.](#)

Carron M. *British Journal of Surgery* 2020;107(2):e39–e55.

This review provides an update of recent evidence regarding perioperative strategies for obese patients. Obese patients require comprehensive preoperative evaluation. Experienced medical teams, appropriate equipment and monitoring, careful anaesthetic management, and an adequate perioperative ventilation strategy may improve postoperative outcomes.

Freely available online

[Preoperative Antisepsis with Chlorhexidine Versus Povidone-Iodine for the Prevention of Surgical Site Infection: a Systematic Review and Meta-analysis.](#)

Chen S. *World Journal of Surgery* 2020;:doi:10.1007/s00268-020-05384-7.

Chlorhexidine was superior to povidone-iodine in preventing postoperative SSI, especially for the clean-contaminated surgery. However, there was no statistically significant difference in the incidence of skin adverse events between CH and PI groups.

Freely available online

[Pre-registration nursing students' perceptions and experience of intentional rounding: a cross-sectional study.](#)

Ryan E. *Nurse Education in Practice* 2020;42:102691.

This paper examines pre-registration nursing students' perceptions of the practice of intentional rounding and perceived benefits for nurses and patients. Intentional rounding was developed to ensure nursing staff regularly check on patients to ensure that all care needs are met. It has been linked to a reduction in falls

and call bell use, and an increase in patient safety.]

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[Reducing peripherally inserted central catheters and midline catheters by training nurses in ultrasound-guided peripheral intravenous catheter placement.](#)

Galen B. *BMJ Quality & Safety* 2020;29(3):245-249.

Conclusions: These results suggest that an abbreviated training in ultrasound-guided peripheral intravenous catheter placement for nurses on an inpatient medical unit is sufficient to reduce PICC and midline catheters. *Freely available online*

[The impact of a gerontology nursing course with a service-learning component on student attitudes towards working with older adults: a mixed methods study.](#)

Garbarino J. *Nurse Education in Practice* 2020;42:102684.

A growing older adult population requires educational programs which prepare nursing students to care for and increase their interest in working with this population. Faculty at a large public university developed a course specific to gerontology to address this need, including designing a service-learning intervention entitled Aging is Very Personal. The purpose of this study was to explore the impact of this course on student attitudes towards working with older adults.

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[The next step in learning from sentinel events in healthcare.](#)

Bos K. *BMJ Open Quality* 2020;9(1):doi: 10.1136/bmjopen-2019-000739 .

Conclusion: There is a large variety in handling sentinel events (SEs) in Dutch academic hospitals and standards for the selection of recommendations are lacking... Selecting high-quality recommendations for implementation has the potential to lead to a decrease in the number of (similar) SEs and increase in the quality and safety of Dutch healthcare. *Freely available online*

[The psychological impact of quarantine and how to reduce it: rapid review of the evidence.](#)

Brooks. *Lancet* 2020;published online: 26th February:1-9.

The December, 2019 coronavirus disease outbreak has seen many countries ask people who have potentially come into contact with the infection to isolate themselves at home or in a dedicated quarantine facility. This review of the psychological impact of quarantine by researchers from King's College London found that it can produce negative effects including post-traumatic stress symptoms, confusion and anger, and these psychological impacts can be long-lasting.

Freely available online

[Undergraduate nursing student perceptions of directed self-guidance in a learning laboratory: an educational strategy to enhance confidence and workplace readiness.](#)

Kerr D. *Nurse Education in Practice* 2020;42:102669.

A self-directed learning laboratory (SDL Lab) was established in which undergraduate nursing students were provided access to experienced nurses in a simulated ward environment to enhance preparedness for clinical practice. The aim of this study was to explore perspectives of final year, undergraduate student nurses about the SDL Lab and directed self-guidance, with particular focus on the impact on learning and preparedness for professional practice.

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[Understanding complaints.](#)

Foster S. *British Journal of Nursing* 2020;29(4):257.

The author considers how the complaints from patients and staff have changed over the years and how a decision-making tool has helped her consider the issues. A chief nurse post typically has the remit of both the leadership of the Trust's Patient Advice and Liaison Service (PALS) and complaints teams, in addition to the professional leadership of registrants. Over the past decade, the issues that have been reported to me

for decisions have changed.

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[Use of Fall Risk-Increasing Drugs Around a Fall-Related Injury in Older Adults: A Systematic Review.](#)

Hart LA. *Journal of the American Geriatrics Society* 2020;:doi:10.1111/jgs.16369.

Limited evidence indicates high prevalence of FRID use among older adults who have experienced a fall-related injury and no reduction in overall FRID use following the fall-related healthcare encounter. There is a need for well-designed interventions to reduce FRID use and falls in older adults with a history of falls. Reducing FRID use as a stand-alone intervention may not be effective in reducing recurrent falls.

Freely available online

[Wellbeing Wednesdays: nurse-led clinic for improving physical health care in a general adolescent inpatient unit.](#)

Mellor C. *British Journal of Nursing* 2020;29(4):230-235.

Young people with mental illness are at high risk of physical health complications. Physical healthcare on a general adolescent inpatient unit is complex. This initiative aimed to establish a wellbeing clinic to improve efficiency and quality of the physical healthcare offered and increase health promotion.

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[Work-integrated learning as a pedagogical tool to integrate theory and practice in nursing education – an integrative literature review.](#)

Berndtsson I. *Nurse Education in Practice* 2020;42:102685.

It can be challenging for nursing students to navigate between theory and practice and to implement theoretical knowledge in real work situations and vice-versa. Work-integrated learning can support the students by enabling them to combine theoretical studies with practical work experience during their clinical placement.

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[Your results may vary: the imprecision of medical measurements.](#)

McCormack JP. *BMJ* 2020;368:m149.

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