



On the Radar

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On the Radar

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Journal articles

Effect of antibiotic stewardship on the incidence of infection and colonisation with antibiotic-resistant bacteria and Clostridium difficile infection: a systematic review and meta-analysis
Baur D, Gladstone BP, Burkert F, Carrara E, Foschi F, Döbele S, et al
The Lancet Infectious Diseases. 2017.

DOI	http://dx.doi.org/10.1016/S1473-3099(17)30325-0
Notes	Paper reporting on a systematic review and meta-analysis that sought to evaluate evidence of the effect of antibiotic stewardship on the incidence of infections and colonisation with antibiotic-resistant bacteria. From their review of the 32 included studies, the authors report Antibiotic stewardship programmes reduced the incidence of infections and colonisation with multidrug-resistant Gram-negative bacteria (51% reduction), extended-spectrum β-lactamase-producing Gram-negative bacteria (48%), and meticillin-resistant <i>Staphylococcus aureus</i> [MRSA] (37%), as well as the incidence of <i>Clostridium difficile</i> infections (32%). They also report that antibiotic stewardship programmes were more effective when implemented with infection control measures, especially hand-hygiene interventions. Also found was that antibiotic stewardship did not affect the infection rates of vancomycin-resistant enterococci and quinolone-resistant and aminoglycoside-resistant Gram-negative bacteria.

For information the Commission’s work on healthcare associated infection, including antimicrobial stewardship, see <https://www.safetyandquality.gov.au/our-work/healthcare-associated-infection/>

State Sepsis Mandates — A New Era for Regulation of Hospital Quality

Hershey TB, Kahn JM

New England Journal of Medicine. 2017;376(24):2311-3.

DOI	http://dx.doi.org/10.1056/NEJMp1611928
Notes	Sepsis kills, as one campaign states. Sepsis is a common and serious condition. As the first line of this piece notes “Sepsis is a major cause of illness and death in the United States, affecting more than 1.5 million Americans each year at an annual cost of over \$20 billion” Some US states have introduced (or are considering introducing) policy mandates that require standardised approaches are in place at health care facilities to prevent harm associated with sepsis. This Perspective piece reviews the state of play with such mandates and the pros (reducing mortality due to sepsis) and cons (including the possibilities of increased lengths of stay, higher costs, and antibiotic overuse as well as the issue of moving from guideline to mandate).

A Comprehensive Nutrition-Focused Quality Improvement Program Reduces 30-Day Readmissions and Length of Stay in Hospitalized Patients

Sriram K, Sulo S, VanDerBosch G, Partridge J, Feldstein J, Hegazi RA, et al

Journal of Parenteral and Enteral Nutrition. 2017;41(3):384-91.

DOI	http://dx.doi.org/10.1177/0148607116681468
Notes	Certain aspects of the hospital stay experience can be both significant but overlooked. These include issues such as sleep and nutrition. This paper looks at how assessing nutrition status, particularly detecting malnutrition on admission, and following that with nutritional improvement during the hospital stay can help the patient avoid re-admission and other potentially unwelcome outcomes. The study looked at the impact of a nutrition-focused quality improvement program (QIP) on hospital readmission and length of stay (LOS). The program included malnutrition risk screening at admission, prompt initiation of oral nutrition supplements for at-risk patients, patient/caregiver education and nutrition support. The authors report “ Thirty-day readmissions and LOS were significantly lowered for malnourished inpatients” through the program.

Mortality risks associated with emergency admissions during weekends and public holidays: an analysis of electronic health records

Walker AS, Mason A, Quan TP, Fawcett NJ, Watkinson P, Llewelyn M, et al

The Lancet. 2017 [epub].

DOI	https://doi.org/10.1016/S0140-6736(17)30782-1
Notes	This addition to the literature on the ‘weekend effect’ examined electronic health records of more than 250,000 patients at four UK hospitals from 1 January 2006 to 31 December 2014. Of these, 18 313 (4·7%) patients admitted as weekday emergency admissions and 6070 (5·1%) patients admitted as weekend emergency admissions died within 30 days. From their analyses, the authors concluded that “Adjustment for routine test results substantially reduced excess mortality associated with emergency admission at weekends and public holidays. ... Hospital workload was not associated with mortality. Together, these findings suggest that the weekend effect arises from patient-level differences [severity of patient illness, etc.] at admission rather than reduced hospital staffing or services. ”

Reducing excessive use of antipsychotic agents in nursing homes

Gurwitz JH, Bonner A, Berwick DM

Journal of the American Medical Association. 2017.

DOI	http://dx.doi.org/10.1001/jama.2017.7032
Notes	Many residents of nursing homes or residential aged care facilities are prescribed various antipsychotic medications and not all of this is appropriate. This Viewpoint piece describes an initiative of the (US) Centers for Medicare & Medicaid Services (CMS) on the use of antipsychotics in nursing homes. The authors attribute a 33% relative reduction (from 23.9% to 16.0%) in the prevalence of antipsychotic use among long-term nursing home residents over the past 5 years to the initiative. They also suggest that the experience could have other applications, as “the multifaceted approaches taken under this CMS-led initiative may provide a blueprint for addressing other quality of care issues in nursing homes, as well as other health care settings.”

For information the Commission’s work on medication safety, see

<https://www.safetyandquality.gov.au/our-work/medication-safety/>

Uncertainty in medicine

Hatch S

BMJ. 2017;357;j2180.

DOI	https://doi.org/10.1136/bmj.j2180
Notes	In discussions I have had around patient-centred care, evidence-based medicine and shared-decision making in recent years, one topic has always been present but often under-acknowledged. That topic is uncertainty and how it can influence how we speak about healthcare, evidence, treatment options and so on and the confidence we should have in these things. This piece makes similar points in that “Uncertainty is ubiquitous in medicine... And yet uncertainty is often ignored as a subject in medicine, its importance underappreciated and its consequences suppressed” Many of these go to the clinician-patient relationship and Hatch suggests that “the admission of uncertainty forms the starting point for a more open conversation between patient and clinician. By being more direct about our limitations, we are likely to foster greater trust and hopefully greater confidence in our joint efforts to manage the patient’s condition.”

For information the Commission’s work on patient and consumer centred care,

<https://www.safetyandquality.gov.au/our-work/patient-and-consumer-centred-care/>

For information the Commission’s work on shared decision making, see

<https://www.safetyandquality.gov.au/our-work/shared-decision-making/>

BMJ Quality and Safety

July 2017; Vol. 26, No. 7

URL	http://qualitysafety.bmj.com/content/26/7
Notes	A new issue of <i>BMJ Quality and Safety</i> has been published. Many of the papers in this issue have been referred to in previous editions of <i>On the Radar</i> (when they were released online). Articles in this issue of <i>BMJ Quality and Safety</i> include: <ul style="list-style-type: none">• Editorial: Digitalisation of medicines: artefact, architecture and time (Tony Cornford, Valentina Lichtner)• Editorial: When patient-centred care is worth doing well: informed consent or shared decision-making (Marleen Kunneman, Victor M Montori)• Editorial: Nursing skill mix and patient outcomes (Jack Needleman)

	<ul style="list-style-type: none"> • Safety risks associated with the lack of integration and interfacing of hospital health information technologies: a qualitative study of hospital electronic prescribing systems in England (Kathrin M Cresswell, Hajar Mozaffar, Lisa Lee, Robin Williams, Aziz Sheikh) • Workarounds to hospital electronic prescribing systems: a qualitative study in English hospitals (Kathrin M Cresswell, Hajar Mozaffar, Lisa Lee, Robin Williams, Aziz Sheikh) • Beyond hand hygiene: a qualitative study of the everyday work of preventing cross-contamination on hospital wards (Su-yin Hor, Claire Hooker, Rick Iedema, Mary Wyer, Gwendolyn L Gilbert, Christine Jorm, Matthew Vincent Neil O'Sullivan) • Nursing skill mix in European hospitals: cross-sectional study of the association with mortality, patient ratings, and quality of care (Linda H Aiken, Douglas Sloane, Peter Griffiths, Anne Marie Rafferty, Luk Bruyneel, Matthew McHugh, Claudia B Maier, Teresa Moreno-Casbas, Jane E Ball, Dietmar Ausserhofer, Walter Sermeus For the RN4CAST Consortium) • Discerning quality: an analysis of informed consent documents for common cardiovascular procedures (Andi Shahu, Jennifer Schwartz, Mallory Perez, Susannah M Bernheim, Harlan M Krumholz, Erica S Spatz) • A primer on PDSA: executing plan–do–study–act cycles in practice, not just in name (Jerome A Leis, Kaveh G Shojania) • What we know about designing an effective improvement intervention (but too often fail to put into practice) (Martin Marshall, Debra de Silva, Lesley Cruickshank, Jenny Shand, Li Wei, James Anderson) • Microanalysis of video from the operating room: an underused approach to patient safety research (Jeff Bezemer, Alexandra Cope, Terhi Korkiakangas, Gunther Kress, Ged Murtagh, Sharon-Marie Weldon, Roger Kneebone) • What can a participatory approach to evaluation contribute to the field of integrated care? (Laura Eyre, Michael Farrelly, Martin Marshall) • Interventions to improve hospital patient satisfaction with healthcare providers and systems: a systematic review (Karina W Davidson, Jonathan Shaffer, Siqin Ye, Louise Falzon, Iheanacho O Emeruwa, Kevin Sundquist, Ifeoma A Inneh, Susan L Mascitelli, Wilhelmina M Manzano, David K Vawdrey, Henry H Ting)
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Australian Journal of Primary Health
Volume 23(3) 2017

URL	http://www.publish.csiro.au/py/issue/8582
Notes	<p>A new issue of the <i>Australian Journal of Primary Health</i> has been published. Articles in this issue of <i>Australian Journal of Primary Health</i> include:</p> <ul style="list-style-type: none"> • Are changes in Australian national primary healthcare policy likely to promote or impede equity of access? A narrative review (Matthew Fisher, Fran Baum, Adrian Kay and Sharon Friel) • Role of information and communication technology in promoting oral health at residential aged care facilities (Bola Adebayo, Angela Durey and Linda M Slack-Smith) • Barriers to accessing primary health care: comparing Australian experiences internationally (Lisa Corscadden, Jean-Frederic Levesque, Virginia Lewis, Mylaine Breton, Sutherland, J-W Weenink, J Haggerty and G Russell)

	<ul style="list-style-type: none"> • Reducing recurrence of bacterial skin infections in Aboriginal children in rural communities: new ways of thinking, new ways of working (Susan Thomas, Kristy Crooks, Kylie Taylor, P D Massey, R Williams and G Pearce) • Are primary healthcare services culturally appropriate for Aboriginal people? Findings from a remote community (Kaye Smith, Yaqoot Fatima and Sabina Knight) • Workforce insights on how health promotion is practised in an Aboriginal Community Controlled Health Service (Kathryn McFarlane, Sue Devine, Jenni Judd, Nina Nichols and Kerrienne Watt) • ‘It depends on the consultation’: revisiting use of family members as interpreters for general practice consultations – when and why? (Jo Hilder, Ben Gray, Anthony Dowell, Lindsay Macdonald, Rachel Tester and M Stubbe) • Do rates of depression vary by level of alcohol misuse in Australian general practice? (Breanne Hobden, Jamie Bryant, Rob Sanson-Fisher, Christopher Oldmeadow and Mariko Carey) • Western Australian students' alcohol consumption and expenditure intentions for Schoolies (Michelle I. Jongenelis, Simone Pettigrew, Nicole Biagioni and Martin S. Hagger) • Correlates of sexually transmissible infection testing among a sample of at-risk young Australians (Caitlin H Douglass, Alyce M Vella, Margaret E Hellard and Megan S C Lim) • ‘We didn’t have to dance around it’: opt-out HIV testing among homeless and marginalised patients (Stacy Leidel, Gavin Leslie, Duncan Boldy, Andrew Davies and Sonya Girdler) • Motivators and barriers for paediatricians discharging patients (Erin Turbitt, Marina Kunin, Sarah Gafforini and Gary L Freed) • A preliminary investigation of the Partners in Health scale measurement properties in patients with end stage renal disease (Claire Baxter, Andrea Morello, David Smith, Lynda Norton and David Bentley) • Characteristics of patients presenting to an after-hours clinic: results of a MAGNET analysis (Lyle R Turner, Christopher Pearce, Madeleine Borg, Adam McLeod, Marianne Shearer and Danielle Mazza)
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Nursing Leadership
Vol. 30, No. 1, 2017

URL	http://www.longwoods.com/publications/nursing-leadership/25104
Notes	<p>A new issue of <i>Nursing Leadership</i> has been published. Articles in this issue of <i>Nursing Leadership</i> include:</p> <ul style="list-style-type: none"> • Editorial: Home and Community Care: The Never-Ending Promise (Lynn M Nagle) • Nursing Leadership in Home and Community Care: An Introduction (Gail Donner) • Leadership Perspective: Bringing Nursing Back to the Future Through People-Powered Care (Shirlee Sharkey and Nancy Lefebvre) • Rebuilding the Roots of Patient-Centred Care (S Thorne and K Stajduhar) • A Leadership Perspective on a Shared Vision for Healthcare (Tracy Kitch) • Integrated Comprehensive Care – A Case Study in Nursing Leadership and System Transformation (Laura Wheatley, Winnie Doyle, Cheryl Evans, Carolyn Gosse and Kevin Smith)

	<ul style="list-style-type: none"> • Moving Forward – The Journey to People-Powered Care (Shirlee Sharkey and Nancy Lefebvre) • The Role of Nurse Leaders in Advancing Carer Communication Needs across Transitions of Care: A Call to Action (Sonia A Udod and M Lobchuk)
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BMJ Quality and Safety online first articles

URL	https://qualitysafety.bmj.com/content/early/recent
Notes	<p><i>BMJ Quality and Safety</i> has published a number of ‘online first’ articles, including:</p> <ul style="list-style-type: none"> • Patients’ and providers’ perceptions of the preventability of hospital readmission: a prospective, observational study in four European countries (Louise S van Galen, Mikkel Brabrand, Tim Cooksley, Peter M van de Ven, Hanneke Merten, Ralph KL So, Loes van Hooff, Harm R Haak, Rachel M Kidney, Christian H Nickel, John TY Soong, Immo Weichert, Mark HH Kramer, Christian P Subbe, Prabath WB Nanayakkara)

International Journal for Quality in Health Care online first articles

URL	https://academic.oup.com/intqhc/advance-access?papetoc
Notes	<p><i>International Journal for Quality in Health Care</i> has published a number of ‘online first’ articles, including:</p> <ul style="list-style-type: none"> • A multifaceted quality improvement strategy reduces the risk of catheter-associated urinary tract infection (Cecelia N Theobald; Matthew J Resnick; Thomas Spain; Robert S Dittus; Christianne L Roumie) • A World Health Organization field trial assessing a proposed ICD-11 framework for classifying patient safety events (Alan J Forster; Burnand Bernard; Saskia E Drösler; Yana Gurevich; James Harrison; Jean-Marie Januel; Patrick S Romano; Danielle A Southern; Vijaya Sundararajan; Hude Quan; Saskia E Vanderloo; Harold A Pincus; William A Ghali) • Value-added strategy models to provide quality services in senior health business (Ya-Ting Yang; Neng-Pai Lin; Shyi Su; Ya-Mei Chen; Yao-Mao Chang; Yujiro Handa; Hafsa Arshed Ali Khan; Yi-Hsin Elsa Hsu)

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