



On the Radar

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On the Radar

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Journal articles

Medication errors in injured patients

Dolejs SC, Janowak CF, Zarzaur BL

The American Surgeon. 2017;83(7):780-5.

URL	http://www.ingentaconnect.com/content/sesc/tas/2017/00000083/00000007/art00038
Notes	Errors involving medications are not infrequent. This study looked at such errors in a vulnerable population: trauma patients. Trauma patients are (usually) poorly placed to participate in decisions about their care and tend to have multiple handovers or handoffs during their care. This study sought to assess trends in medication errors in trauma patients and the role these errors play in patient outcomes. Using a cohort of 15,635 injured adults admitted from 2009 to 2015 to a Level I trauma centre, the study found 132 patients experienced 243 errors. Patients who experienced errors had significantly worse injury severity, lower Glasgow Coma Scale scores and higher rates of hypotension on admission, and longer lengths of stay. The authors report “Medication errors in trauma patients tend to occur in significantly injured patients with long hospital stays.”

Overtreatment in the United States

Lyu H, Xu T, Brotman D, Mayer-Blackwell B, Cooper M, Daniel M, et al
 PLoS ONE. 2017;12(9):e0181970.

DOI	http://dx.doi.org/10.1371/journal.pone.0181970
Notes	<p>One of the aspects of low value care or waste is that of unnecessary or overtreatment. This article reports on a survey of 2,106 physicians in the USA that inquired about the extent of overutilization, as well as causes, solutions, and implications for health care. From the response rate was 70.1% the following results were reported:</p> <ul style="list-style-type: none"> • An interpolated median of 20.6% of overall medical care was unnecessary, including 22.0% of prescription medications, 24.9% of tests, and 11.1% of procedures. • The most common cited reasons for overtreatment were fear of malpractice (84.7%), patient pressure/request (59.0%), and difficulty accessing medical records (38.2%). • Potential solutions identified were training residents on appropriateness criteria (55.2%), easy access to outside health records (52.0%), and more practice guidelines (51.5%). • Most respondents (70.8%) believed that physicians are more likely to perform unnecessary procedures when they profit from them. • Most respondents believed that de-emphasizing fee-for-service physician compensation would reduce health care utilization and costs.

Using a Delphi method to identify human factors contributing to nursing errors

Roth C, Brewer M, Wieck KL

Nursing Forum. 2017;52(3):173-9.

DOI	http://dx.doi.org/10.1111/nuf.12178
Notes	<p>This article reports on a Delphi process used to draw together responses from 25 nurse experts on the human factors associated with nursing errors. The intent was to use the process to focus on the most important human factors in nursing errors so as stimulate dialogue about how to prevent errors and improve outcomes. From an early phase that identified 24 items as most common causes of nursing errors (including fatigue, excessive workload, lack of motivation, swamping and errors made by others that nurses are expected to recognize and fix), the process generated a consensus top 10 errors list with heavy workload and fatigue as the leading causes.</p>

International Journal for Quality in Health Care

Volume 29 Issue 4

August 2017

DOI	https://academic.oup.com/intqhc/issue/29/4
Notes	<p>A new issue of the <i>International Journal for Quality in Health Care</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 the <i>International Journal for Quality in Health Care</i> include:</p> <ul style="list-style-type: none"> • Editorial: Quality indicators and incentive programs for health care improvement (Usman Iqbal; Yu-Chuan (Jack) Li) • Determinants of patient loyalty to healthcare providers: An integrative review (Wei-Jiao Zhou; Qiao-Qin Wan; Cong-Ying Liu; Xiao-Lin Feng; Shao-Mei Shang) • Lessons learned for reducing the negative impact of adverse events on patients, health professionals and healthcare organizations (Jose Joaquin Mira; Susana Lorenzo; Irene Carrillo; Lena Ferrús; Carmen Silvestre; Pilar Astier; F

	<p>Iglesias-Alonso; J A Maderuelo; P Pérez-Pérez; M L Torijano; E Zavala; S D Scott; on behalf of the Research Group on Second and Third Victims)</p> <ul style="list-style-type: none"> • Narrative feedback from OR personnel about the safety of their surgical practice before and after a surgical safety checklist intervention (Shehnaz Alidina; Hye-Chun Hur ; William R. Berry; George Molina; Guy Guenther; Anna M Modest; Sara J Singer) • Multi-stakeholder perspectives in defining health-services quality in cataract care (Aline C Stolk-Vos; Joris J van de Klundert; Niels Maijers; Bart L M Zijlmans; Jan J V Busschbach) • Predictors of the effectiveness of accreditation on hospital performance: A nationwide stepped-wedge study (Søren Bie Bogh; Anne Mette Falstie-Jensen; Erik Hollnagel; René Holst; Jeffrey Braithwaite; Ditte C Raben; S P Johnsen) • Process value of care safety: women's willingness to pay for perinatal services (Hisataka Anezaki; Hideki Hashimoto) • Impact of financial incentives for inter-provider care coordination on health-care resource utilization among elderly acute stroke patients (Takumi Nishi; Toshiki Maeda; Akira Babazono) • Factors associated with compliance to AHA/ACC performance measures in a myocardial infarction system of care in Brazil (Maria Letícia L Lana; Andrea Z Beaton ; Luisa C C Brant; Isadora C R S Bozzi; Osias de Magalhães; Luiz Ricardo de A Castro; Francisco César T da Silva Júnior; José Luiz P da Silva; Antonio Luiz P Ribeiro; Bruno R Nascimento) • RECALMIN: The association between management of Spanish National Health Service Internal Medical Units and health outcomes (Antonio Zapatero-Gaviria; Francisco Javier Elola-Somoza; Emilio Casariego-Vales; Cristina Fernandez-Perez ; R Gomez-Huelgas; J L Bernal; R Barba-Martín) • A diabetes pay-for-performance program and the competing causes of death among cancer survivors with type 2 diabetes in Taiwan (Hui-Min Hsieh; Heng-Chia Chiu; Yi-Ting Lin; Shyi-Jang Shin) • Implementation and evaluation of a prototype consumer reporting system for patient safety events (Saul N Weingart; Joel S Weissman; Karen P Zimmer; Robert C Giannini; Denise D Quigley; Lauren E Hunter; M Susan Ridgely; Eric C Schneider) • Adverse events related to hospital care: a retrospective medical records review in a Swiss hospital (Patricia Halfon; Anthony Staines; Bernard Burnand) • The relationship between shared decision-making and health-related quality of life among patients in Hong Kong SAR, China (Richard H Xu; Annie W L Cheung; Eliza L Y Wong) • The development and testing of the Person-centred Practice Inventory – Staff (PCPI-S) (Paul Slater; Tanya McCance; Brendan McCormack) • 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) • Prioritizing quality measure concepts at the interface of behavioral and physical healthcare (Harold Alan Pincus ; Mingjie Li; Deborah M Scharf; Brigitta Spaeth-Rublee; Matthew L Goldman; P P Ramanuj; E K Ferenchick) • A multifaceted quality improvement strategy reduces the risk of catheter-associated urinary tract infection (Cecelia N Theobald; Matthew J Resnick;
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	<p>Thomas Spain ; Robert S Dittus; Christianne L Roumie)</p> <ul style="list-style-type: none"> • Linking quality indicators to clinical trials: an automated approach (Enrico Coiera; Miew Keen Choong; Guy Tsafnat; Peter Hibbert ; W B Runciman) • Organizational and managerial factors associated with clinical practice guideline adherence: a simulation-based study in 36 French hospital wards (Florence Saillour-Glénisson; Marion Kret; Sandrine Domecq; Matthieu Sibé; Valentin Daucourt; Virginie Migeot; David Veillard; Philippe Michel) • Improving inpatient medication adherence using attendant education in a tertiary care hospital in Uganda (Patricia Alupo; Richard Ssekitoleko ; Tracy Rabin; Robert Kalyesubula; Ivan Kimuli; Benjamin E Bodnar) • A quality improvement project using statistical process control methods for type 2 diabetes control in a resource-limited setting (David Flood; Kate Douglas; Vera Goldberg; Boris Martinez ; Pablo Garcia; MaryCatherine Arbour; Peter Rohloff)
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Australian Health Review

Volume 41 Number 5 2017

URL	http://www.publish.csiro.au/ah/issue/8494
Notes	<p>A new issue of <i>Australian Health Review</i> has been published. Articles in this issues of <i>Australian Health Review</i> include:</p> <ul style="list-style-type: none"> • Effectiveness and efficiency of training in digital healthcare packages: training doctors to use digital medical record keeping software (Nicola Benwell, Kathryn Hird, Nicholas Thomas, Erin Furness, Mark Fear and G Sweetman) • Recurrent episodes of injury in children: an Australian cohort study (Cate M Cameron, Anneliese B Spinks, Jodie M Osborne, Tamzyn M Davey, Neil Sipe and Roderick J McClure) • Index of Access: a new innovative and dynamic tool for rural health service and workforce planning (Matthew R McGrail, Deborah J Russell and John S Humphreys) • Bridging the language gap: a co-designed quality improvement project to engage professional interpreters for women during labour (Jane Yelland, Mary Anne Biro, Wendy Dawson, Elisha Riggs, Dannielle Vanpraag, Karen Wigg, John Antonopoulos, Jenny Morgans, Jo Szwarc, C East and S Brown) • How do consumer leaders co-create value in mental health organisations? (Brett Scholz, Julia Bocking and Brenda Happell) • Right care, right place, right time: improving the timeliness of health care in New South Wales through a public–private hospital partnership (Carla Saunders and David J Carter) • Completion of Limitation of Medical Treatment forms by junior doctors for patients with dementia: clinical, medicolegal and education perspectives (Jaclyn Yoong, Aleece MacPhail, Gael Trytel, Prashanti Yalini Rajendram, Margaret Winbolt and Joseph E Ibrahim) • Responses by hospital complaints managers to recommendations for systemic reforms by health complaints commissions (Jennifer Smith-Merry, Marilyn Walton, Judith Healy and Coletta Hobbs) • Collaborative arrangements and privately practising nurse practitioners in Australia: results from a national survey (Jane Currie, Mary Chiarella and Thomas Buckley) • Public or private care: where do specialists spend their time? (Gary L Freed, Erin Turbitt and Amy Allen)

	<ul style="list-style-type: none"> • Implementation of a new model of clinical education for regional occupational therapy student clinical placements (Linda Furness, Alison C Pighills, Wendy Ducat and Anna Tynan) • Integration of nurse practitioners using a change management framework: the way forward (Grainne Lowe, Virginia Plummer and Leanne Boyd) • Paediatrician perceptions of patient referral and discharge (Gary L Freed, Erin Turbitt, Sarah Gafforini and Marina Kunin) • Is the Partners in Recovery program connecting with the intended population of people living with severe and persistent mental illness? What are their prioritised needs? (Nicola Hancock, Jennifer Smith-Merry, James A Gillespie and Ivy Yen) • Evaluation of an integrated housing and recovery model for people with severe and persistent mental illnesses: the Doorway program (David R Dunt, Andrew W Benoy, Andrea Phillipou, Laura L Collister, Elizabeth M Crowther, Julian Freidin and David J Castle) • Profile of 1 year of fieldwork experiences for undergraduate occupational therapy students from a large regional Australian university (Lynette Mackenzie and Glyn O'Toole) • Pacific island health inequities forecast to grow unless profound changes are made to health systems in the region (Don Matheson, Kunhee Park and Taniela Sunia Soakai)
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Health Affairs

1 October 2017; Vol. 36, No. 10

URL	http://content.healthaffairs.org/content/36/10?etoc
Notes	<p>A new issue of <i>Health Affairs</i> has been published, with the topics ‘Emergency Departments, Behavioral Health & More’. Articles in this issue of <i>Health Affairs</i> include:</p> <ul style="list-style-type: none"> • Breakthrough Cancer Treatments Raise Difficult Questions (Karen J Maschke, Michael K Gusmano, and Mildred Z Solomon) • Low-Cost, High-Volume Health Services Contribute The Most To Unnecessary Health Spending (John N Mafi, Kyle Russell, Beth A Bortz, Marcos Dachary, William A Hazel, Jr., and A Mark Fendrick) • Opioid Abuse And Poisoning: Trends In Inpatient And Emergency Department Discharges (Dario Tedesco, Steven M Asch, Catherine Curtin, Jennifer Hah, K M McDonald, M P Fantini, and T Hernandez-Boussard) • Millennials Almost Twice As Likely To Be Registered Nurses As Baby Boomers Were (David I Auerbach, Peter I Buerhaus, and Douglas O Staiger) • Coordination Program Reduced Acute Care Use And Increased Primary Care Visits Among Frequent Emergency Care Users (Roberta Capp, Gregory J Misky, Richard C Lindrooth, Benjamin Honigman, Heather Logan, Rose Hardy, Dong Q Nguyen, and Jennifer L Wiler) • Freestanding Emergency Departments Preferentially Locate In Areas With Higher Household Income (Cedric Dark, Yingying Xu, and Vivian Ho) • Persistent Frequent Emergency Department Use: Core Group Exhibits Extreme Levels Of Use For More Than A Decade (Hemal K Kanzaria, Matthew J Niedzwiecki, Juan Carlos Montoy, Maria C Raven, and R Y Hsia) • Emergency Department Visits For Firearm-Related Injuries In The United States, 2006–14 (Faiz Gani, Joseph V Sakran, and Joseph K Canner)

	<ul style="list-style-type: none"> • Prevalence, Treatment, And Unmet Treatment Needs Of US Adults With Mental Health And Substance Use Disorders (Beth Han, Wilson M Compton, Carlos Blanco, and Lisa J Colpe) • Effects Of State Insurance Mandates On Health Care Use And Spending For Autism Spectrum Disorder (Colleen L Barry, Andrew J Epstein, Steven C Marcus, Alene Kennedy-Hendricks, M K Candon, M Xie, and D S Mandell) • High-Deductible Health Plans Reduce Health Care Cost And Utilization, Including Use Of Needed Preventive Services (Rajender Agarwal, Olena Mazurenko, and Nir Menachemi) • Early Medicaid Expansion Associated With Reduced Payday Borrowing In California (Heidi Allen, Ashley Swanson, Jialan Wang, and Tal Gross) • Health Care In The Suburbs: An Analysis Of Suburban Poverty And Health Care Access (Alina S Schnake-Mahl and Benjamin D Sommers) • Despite Increased Insurance Coverage, Nonwhite Sexual Minorities Still Experience Disparities In Access To Care (Ning Hsieh and Matt Ruther) • Outcomes In Two Massachusetts Hospital Systems Give Reason For Optimism About Communication-And-Resolution Programs (Michelle M Mello, Allen Kachalia, Stephanie Roche, Melinda Van Niel, Lisa Buchsbaum, Suzanne Dodson, Patricia Folcarelli, Evan M Benjamin, and Kenneth E Sands) • Joy In Medical Practice: Clinician Satisfaction In The Healthy Work Place Trial (Mark Linzer, Christine A Sinsky, Sara Poplau, Roger Brown, Eric Williams, and the Healthy Work Place Investigators) • Progress In Interoperability: Measuring US Hospitals' Engagement In Sharing Patient Data (A Jay Holmgren, Vaishali Patel, and J Adler-Milstein) • At The VA, Healing The Doctor-Patient Relationship (Raya Elfadel Kheirbek)
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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"> • Mortality, readmission and length of stay have different relationships using hospital-level versus patient-level data: an example of the ecological fallacy affecting hospital performance indicators (Stefanie N Hofstede, Leti van Bodegom-Vos, Dionne S Kringos, Ewout Steyerberg, Perla J Marang-van de Mheen) • Improving admission medication reconciliation with pharmacists or pharmacy technicians in the emergency department: a randomised controlled trial (Joshua M Pevnick, Caroline Nguyen, Cynthia A Jackevicius, Katherine A Palmer, Rita Shane, Galen Cook-Wiens, Andre Rogatko, Mackenzie Bear, Olga Rosen, David Seki, Brian Doyle, Anish Desai, Douglas S Bell) • Effects of efforts to optimise morbidity and mortality rounds to serve contemporary quality improvement and educational goals: a systematic review (Andrew Smaggus, Marko Mrkobrada, Alanna Marson, Andrew Appleton) • To GP or not to GP: a natural experiment in children triaged to see a GP in a tertiary paediatric emergency department (ED) (Laurie Smith, Yajur Narang, Ana Belen Ibarz Pavon, Karl Edwardson, Simon Bowers, Katharine Jones, Steve Lane, Mary Ryan, David Taylor-Robinson, Enitan Carrol) • Development of a trigger tool to identify adverse events and no-harm incidents that affect patients admitted to home healthcare (Marléne

	<p>Lindblad, Kristina Schildmeijer, Lena Nilsson, Mirjam Ekstedt, Maria Unbeck)</p> <ul style="list-style-type: none"> • People’s experiences of hospital care on the weekend: secondary analysis of data from two national patient surveys (Chris Graham) • Incorporating nursing complexity in reimbursement coding systems: the potential impact on missed care (Loredana Sasso, Annamaria Bagnasco, Giuseppe Aleo, Gianluca Catania, Nicoletta Dasso, M P Zanini, R Watson) • On being human: reflections on a daily error (Eugene Chee Keen Wong) • Impact of out-of-hours admission on patient mortality: longitudinal analysis in a tertiary acute hospital (Lu Han, Matt Sutton, Stuart Clough, Richard Warner, Tim Doran)
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Online resources

Clinical Communiqué

Volume 4 Issue 3 September 2017

<http://www.vifmcommuniques.org/?p=5120>

Clinical Communiqué is a newsletter written by clinicians, using a case-study approach to report on lessons learned from deaths investigated by the Coroners’ Court.

This edition looks at medications, with a focus on medication allergies. The three (fatal) cases discussed all involved adults who suffered major allergic reaction to medications.

Stuart Margison provides an expert commentary with a succinct overview of effective drug allergy communication and alert systems. He outlines the steps that every healthcare professional and organisation should take to optimize safe prescribing and dispensing of medications. Anaphylaxis to a known medication allergy should not occur. Effective alert systems must be implemented that ensure universal recognition of a medication allergy every time and in every circumstance.

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