

Preventing Medication Errors: Keeping Current

January 2007
[Treadwell Library](#)

Recent articles of interest...

[American Journal of Health-System Pharmacy \(Treadwell Library eJournal\)](#)

Dec. 15, 2007

Study: Carter MK, Allin DM, Scott LA, Grauer D. Pharmacist-acquired medication histories in a university hospital emergency department. Am J Health Syst Pharm. 2006 Dec 15;63(24):2500-2503. [Pubmed abstract](#).

Nov. 15, 2006

Study: Johnston PE, France DJ, Byrne DW, Murff HJ, Lee B, Stiles RA, Speroff T. Assessment of adverse drug events among patients in a tertiary care medical center. Am J of Health Syst Pharm. 2006 Nov 15;63(22):2218-27. [PubMed abstract](#).

Letter: Knowles SR, Cornish PL, Etchells EE. Pharmacists' role in assessing potential value of CPOE. Am J Health Syst Pharm. 2006 Nov 15;63(22):2182-4. No abstract.

Treadwell Library has more than 1,000 journals online!
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[American Journal of Medical Quality](#)

Sept.-Oct. 2006

Study: Schade CP, Hannah K, Ruddick P, Starling C, Brehm J. Improving self-reporting of adverse drug events in a West Virginia hospital. American Journal of Medical Quality. 2006 Sep-Oct;21(5):335-41. [PubMed abstract](#).

[Anaesthesia \(Treadwell Library eJournal\)](#)

Jan. 2007

Study Sanghera IS, Franklin BD, Dhillon S. The attitudes and beliefs of healthcare professionals on the causes and reporting of medication errors in a UK Intensive care unit. Anaesthesia. 2007 Jan;62(1):53-61. [Pubmed abstract](#).

Nov. 2006

Study: Campbell AJ, Bloomfield R, Noble DW. An observational study of changes to long-term medication after admission to an intensive care unit. Anaesthesia. 2006 Nov;61(11):1087-92. [PubMed abstract](#).

New! Expanded access to the online licensed electronic journals and databases!

Starting from the Treadwell Library home page, <http://massgeneral.org/library>, you can use your Partners username and password. Log on from any computer anywhere.

[Archives of Disease in Childhood \(Treadwell Library eJournal\)](#)

Aug. 2006

Study: Singh-Grewal D, Kemp A, Wong M. A prospective study of the immediate and delayed adverse events following intravenous immunoglobulin infusions. Archives of Disease in Childhood. 2006 Aug;91(8):651-4. [PubMed abstract](#).

[Canadian Journal of Clinical Pharmacology](#)

Fall 2006

Study: Kozer E, Scolnik D, Macpherson A, Rauchwerger D, Koren G. **The effect of a short tutorial on the incidence of prescribing errors in pediatric emergency care.** The Canadian Journal of Clinical Pharmacology. 2006 Fall;13(3):e285-91. [PubMed abstract with free full text from the publisher](#).

[Clinical & Translational Oncology](#)

Nov. 2006

Study: Huertas Fernandez MJ, Baena-Canada JM, Martinez Bautista MJ, Arriola Arellano E, Garcia Palacios MV. Impact of computerised chemotherapy prescriptions on the prevention of medication errors. Clin Transl Oncol. 2006 Nov;8(11):821-5. No abstract.

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If we don't subscribe to the journal you need,
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[Computer, Informatics, Nursing: CIN \(Treadwell Library eJournal\)](#)

Nov./Dec. 2006

Article: Wolf DM, Greenhouse PK, Diamond JN, Fera W, McCormick DL. Community Hospital Successfully Implements eRecord and CPOE. Comput Inform Nurs. 2006 November/December;24(6):307-316. [Pubmed abstract](#).

[Critical Care Nursing Clinics of North America \(Treadwell Library journal in print\)](#)

Dec. 2006

Study: Bullock J, Jordan D, Gawlinski A, Henneman EA. Standardizing IV Infusion Medication Concentrations to Reduce Variability in Medication Errors. Crit Care Nurs Clin North Am. 2006 Dec;18(4):515-21. No abstract.

Article: Schwarz M, Wyskiel R. Medication reconciliation: developing and implementing a program. Crit Care Nurs Clin North Am. 2006 Dec;18(4):503-7. No abstract.

[Critical Care Nursing Quarterly](#)
(Treadwell Library eJournal)

Oct.-Dec. 2006

Study: Popernack ML. A critical change in a day in the life of intensive care nurses: rising to the e-challenge of an integrated clinical information system. Crit Care Nurs Q. 2006 Oct-Dec;29(4):362-75. [PubMed abstract](#).

[Health Policy \(Elsevier\)](#)

Aug. 21, 2006

Study: Al Khaja KA, Al Ansari TM, Damanhori AH, Sequeira RP. Evaluation of drug utilization and prescribing errors in infants: A primary care prescription-based study. Health Policy. 2006 Aug 21. Epub ahead of print. [PubMed abstract](#).

[Health Informatics Journal](#)

Sep. 2006

Study: Abboud PA, Ancheta R, McKibben M, Jacobs BR. Impact of workflow-integrated corollary orders on aminoglycoside monitoring in children. Health Informatics Journal. 2006 Sep;12(3):187-198. [PubMed abstract](#).

Doing a literature search on a topic of interest?

Librarians can help...

- Call the Treadwell Library Reference Desk at 6-8605.
- Email [Ask a Librarian](#).
- Or, visit us in Bartlett Hall Extension.

[Healthcare Quality](#)

Oct. 2006

Article: Greenberg A, Kramer S, Welch V, O'Sullivan E, Hall S. Cancer Care Ontario's computerized physician order entry system: a province-wide patient safety innovation. Healthc Q. 2006 Oct;9 Spec No:108-13. [PubMed abstract](#).

[International Journal of Medical Informatics](#) (Treadwell Library eJournal)

Oct.-Nov., 2006

Article: Snyder R, Weston MJ, Fields W, Rizos A, Tedeschi C. Computerized provider order entry system field research: The impact of contextual factors on study implementation. Int J Med Inform. 2006 Oct-Nov;75(10-11):730-40. Epub 2005 Dec 2. [PubMed abstract](#)

[JAMA: The Journal of the American Medical Association
\(Treadwell Library eJournal\)](#)

Oct. 18, 2006

Study: Budnitz DS, Pollock DA, Weidenbach KN, Mendelsohn AB, Schroeder TJ, Annet JL. National surveillance of emergency department visits for outpatient adverse drug events. JAMA. 2006 Oct 18;296(15):1858-66. [PubMed abstract](#).

[Journal of the American Medical Informatics Association \(JAMIA\)
\(Treadwell Library eJournal\)](#)

Jan./Feb. 2007: issue includes Focus on Computerized Provider Order Entry (CPOE)

Viewpoint: Bobb AM, Payne TH, Gross PA. Viewpoint: Controversies Surrounding Use of Order Sets for Clinical Decision Support in Computerized Provider Order Entry. J Am Med Inform Assoc. 2007 January-February;14(1):41-47. [PubMed abstract](#).

Viewpoint: Classen DC, Avery AJ, Bates DW. Evaluation and Certification of Computerized Provider Order Entry Systems. J Am Med Inform Assoc. 2007 January-February;14(1):48-55. [PubMed abstract](#).

Viewpoint: Gross PA, Bates DW. A Pragmatic Approach to Implementing Best Practices for Clinical Decision Support Systems in Computerized Provider Order Entry Systems. J Am Med Inform Assoc. 2007 January-February;14(1):25-28. [PubMed abstract](#).

Study: Ko Y, Abarca J, Malone DC, Dare DC, Geraets D, Houranieh A, Jones WN, Nichol WP, Schepers GP, Wilhardt M. Practitioners' Views on Computerized Drug-Drug Interaction Alerts in the VA System. J Am Med Inform Assoc. 2007 January-February;14(1):56-64. [PubMed abstract](#).

Review: Kuperman GJ, Bobb A, Payne TH, Avery AJ, Gandhi TK, Burns G, Classen DC, Bates DW. Medication-related Clinical Decision Support in Computerized Provider Order Entry Systems: A Review. J Am Med Inform Assoc. 2007 January-February;14(1):29-40. [PubMed abstract](#).

Study: Weir CR, Hicken BL, Nebeker J, Campo R, Drews F, Lebar B. A Cognitive Task Analysis of Information Management Strategies in a Computerized Provider Order Entry Environment. J Am Med Inform Assoc. 2007 January-February;14(1):65-75. [PubMed abstract](#).

Nov./Dec. 2006

Article: Poon EG, Blumenfeld B, Hamann C, Turchin A, Graydon-Baker E, McCarthy PC, Poikonen J, Mar P, Schnipper JL, Hallisey RK, Smith S, McCormack C, Paterno M, Coley CM, Karson A, Chueh HC, Van Putten C, Millar SG, Clapp M, Bhan I, Meyer GS, Gandhi TK, Broverman CA. Design and Implementation of an Application and Associated Services to Support Interdisciplinary Medication Reconciliation Efforts at an Integrated Healthcare Delivery Network. J Am Med Inform Assoc. 2006 November-December;13(6):581-592. [PubMed abstract](#).

[Journal of Healthcare Information Management](#)

Fall 2006

Study: Bradley VM, Steltenkamp CL, Hite KB. Evaluation of reported medication errors before and after implementation of computerized practitioner order entry. *Journal of Healthcare Information Management*. 2006 Fall;20(4):46-53. [PubMed abstract](#).

[Journal of Pediatrics](#) (Treadwell Library eJournal)

Oct. 2006

Case study: Kaplan JM, Ancheta R, Jacobs BR; Clinical Informatics Outcomes Research Group. Inpatient verbal orders and the impact of computerized provider order entry. *J Pediatr*. 2006 Oct;149(4):461-7. [PubMed abstract](#).

[Journal of Rural Health](#)

Fall 2006

Study: Casey MM, Moscovice IS, Davidson G. Pharmacist staffing, technology use, and implementation of medication safety practices in rural hospitals. *J Rural Health*. 2006 Fall;22(4):321-30. [PubMed abstract](#).

[Lancet Infectious Diseases](#) (Treadwell Library eJournal)

Nov. 2006

Letter: Buttery J, La Vincente S, Andrews R, Kempe A, Royle J. Adverse events following immunisation: desperately seeking surveillance. *Lancet Infect Dis*. 2006 Nov;6(11): 680-1. [PubMed abstract](#).

[Medical Education](#)

Dec. 2006

Study: Krska J, Gill D, Hansford D. Pharmacist-supported medication review training for general practitioners: feasibility and acceptability. *Med Educ*. 2006 Dec;40(12):1217-25. [PubMed abstract](#).

[New England Journal of Medicine](#) (Treadwell Library eJournal)

Nov. 23, 2006

Commentary: Avorn J. Dangerous deception--hiding the evidence of adverse drug effects. *N Engl J Med*. 2006 Nov 23;355(21):2169-71. No abstract.

Commentary: Hiatt WR. Observational studies of drug safety--aprotinin and the absence of transparency. *N Engl J Med*. 2006 Nov 23;355(21):2171-3. No abstract.

Oct. 5, 2006

Commentary: Kalus RM, Shojania KG, Amory JK, Saint S. Clinical problem-solving. Lost in transcription. *N Engl J Med*. 2006 Oct 5;355(14):1487-91. No abstract.

[Pediatrics \(Treadwell Library eJournal\)](#)

Jan. 2007

Study: Wang JK, Herzog NS, Kaushal R, Park C, Mochizuki C, Weingarten SR. Prevention of pediatric medication errors by hospital pharmacists and the potential benefit of computerized physician order entry. *Pediatrics*. 2007 Jan; 119(1):e77-85. [PubMed abstract](#)

Nov. 2006

Study: Walsh KE, Adams WG, Bauchner H, Vinci RJ, Chessare JB, Cooper MR, Hebert PM, Schainker EG, Landrigan CP. Medication errors related to computerized order entry for children. *Pediatrics*. 2006 Nov;118(5):1872-9. [Pubmed abstract](#).

Oct. 2006

Study: Leonard MS, Cimino M, Shaha S, McDougal S, Pilliod J, Brodsky L. Risk reduction for adverse drug events through sequential implementation of patient safety initiatives in a children's hospital. *Pediatrics*. 2006 Oct;118(4):e1124-9. [PubMed abstract](#).

Sept 2006

Study: Cravero JP, Blike GT, Beach M, Gallagher SM, Hertzog JH, Havidich JE, Gelman B; Pediatric Sedation Research Consortium. Incidence and nature of adverse events during pediatric sedation/anesthesia for procedures outside the operating room: report from the Pediatric Sedation Research Consortium. *Pediatrics*. 2006 Sep;118(3):1087-96. [Pubmed abstract](#).

[Patient Education](#)

Sept. 2006

Study: Brown M, Frost R, Ko Y, Woosley R. Diagramming patients' views of root causes of adverse drug events in ambulatory care: an online tool for planning education and research. *Patient Educ Couns*. 2006 Sep;62(3):302-15. Epub 2006 Jul 31. [PubMed abstract](#).

This is the final issue of Preventing Medication Errors, which began in 2003 when Julie Whelan, Librarian at Treadwell Library, created an innovative newsletter to update MGH healthcare providers on current literature related to medication errors.

We say good-bye to this newsletter, but we look forward to continuing to support the MGH community's mission to provide the highest quality healthcare.

Thanks!

Deb Jameson

Librarian

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Wondering how to stay current on issues related to Patient Safety? Here are seven tips for 2007!

Tip #1: Sign up for weekly email updates from the [AHRQ Patient Safety Net](#) (Agency for Healthcare Research and Quality).” This invaluable web site will help you keep current with “a continuously updated, annotated, and carefully selected collection of patient safety news, literature, tools, and resources.” Also, check out the [AHRQ Web M&M](#), “a monthly journal of cases, commentaries, and perspectives on medical error.”

Tip #2: Explore the [Medication Education and Safety & Approval Committee \(MESAC\)](#) web site for up-to-date information at MGH. (Intranet only.)

Tip #3: [Ask a Librarian!](#) The librarians at Treadwell Library can answer your questions by email, phone, or in person.

Tip #4: Check out the web sites for these initiatives on patient safety.

- [Institute for Safe Medication Practices \(ISMP\)](#), a non-profit organization with the goal of “educating the healthcare community and consumers” , offers resources, educational opportunities, and news about safety related to medications.
- [The Joint Commission International Center for Patient Safety](#) offers “resources and information about patient safety for patients, their families, personnel from health care institutions, and all health care professionals.”
- [Massachusetts Coalition for the Prevention of Medical Errors](#), a non-profit partnership of organizations and institutions which campaigns “to improve patient safety and reduce medical errors” in the Commonwealth, offers education and publications.
- [National Center for Patient Safety \(NCPS\)](#) offers tips and tools as well as training initiatives and other programs as part of their effort “to develop and nurture a culture of safety throughout the Veterans Health Administration.”
- [National Patient Safety Foundation \(NPSF\)](#), a non-profit organization committed to “leading the transition from a culture of blame to a culture of safety”, promotes research and offers resources, conferences, workshops, and other programs.

Tip #5: Download "[Trigger Tools](#)" for identifying and measuring adverse events from the [The Institute for Healthcare Improvement](#), a Cambridge, MA, non-profit organization. The IHI also offers [Patient Safety resources](#) including news alerts, references, and guidelines for improving practice.

Tip #6: Read the [Joint Commission Journal on Quality and Patient Safety](#), a monthly publication available through Treadwell Library’s subscription.

Tip #7: Take a look at the Institute of Medicine’s report on [Preventing Medication Errors](#) (2007) --- read the entire document online for free and download the [Executive Summary](#) at no charge.