

**Tuesday, January 20, 2009  
Room T-531, 12:00 - 12:50 p.m.**

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**"Evaluating the Impact of an Ambulatory CPOE System on Outcomes"**

Research investigating the use of electronic health records with computerized provider order entry (CPOE) systems for medications has demonstrated a beneficial impact on reducing medication errors. Most of this research has been conducted in inpatient settings, less in ambulatory settings. Further, although the nation is moving forward with adoption, barriers still exist - one being the perceived time-intensity of system use. This talk will describe a collection of three studies that evaluate the impact of an ambulatory CPOE system on medication safety and time-efficiency outcomes. We also elicited from prescribers and staff their perceptions about use of the system. For each study we collected a separate set of primary data. The results of these three studies will be shared, and will provide evidence suggesting that implementation of an ambulatory CPOE system can improve medication safety while preserving time-efficiency, both facilitating successful adoption.

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Dr. Devine joined the faculty of the UW Pharmaceutical Outcomes Research & Policy Program in 2001. Her current research interests intersect health information technology and medication safety. Related interests include the cost-benefit of CPOE systems. Her research is supported by the Agency for Healthcare Research and Quality (K-08; PI: Devine). Dr. Devine holds a PhD in Health Service Research (UW School of Public Health), PharmD (University of the Pacific), and MBA (University of San Francisco). She completed a post-doctoral fellowship in pharmacoeconomics (UW-Roche Global Health Economics Group), and a clinical pharmacy residency (Palo Alto VA Medical Center). Formerly, Dr. Devine was Associate Clinical Professor of Pharmacy, UCSF, where she was responsible for medication safety & quality, formulary management, clinical pharmacy practice protocols, and pharmacist credentialing. She has experience as a prescribing pharmacist in acute care academic and community hospitals, and in ambulatory clinic settings, having practiced on neurosurgical, internal medicine, critical care, and pediatric services. She is a board-certified pharmacotherapist specialist, a fellow of the American Society of Health-System Pharmacists; and a member of the American Medical Informatics Association, International Society for Pharmacoeconomics and Outcomes Research, and American College of Clinical Pharmacy. She has served in leadership positions with the California- and American Society of Health-System Pharmacists. She recently completed terms on the editorial boards of the *Journal of the American Medical Informatics Association* (student member) and the *American Journal of Health-System Pharmacy*.