

# Medication Error Prevention for Pharmacy and Pharmacy Technicians

**Presented by:** The Florida Professional Liability Self-Insurance Programs

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**Requirements for Successful Completion:** This CME activity consists of an educational component (slides, audio/online lecture) which is followed by an online post-test. Certificates are awarded upon successful completion (80% proficiency) of the post-test. In order to receive credit, participants must view the presentation in its entirety.

**Release Date:** 07/01/2021

**Expiration Date:** 06/30/2023

**Target Audience:** Pharmacists and Pharmacy Technicians

**Learning Objectives:** As a result of the participation in this activity, participants should be able to:

1. Explain the difference between Medication Error, Adverse Drug Event and Adverse Drug Reaction.
2. Discuss the multiple factors propelling medication error prevention and patient safety efforts.
3. Review Joint Commission standards, state and federal agency regulations relating to Sentinel/Adverse Events, process of Failure Mode and Effect Analysis and Root Cause Analysis.
4. Discuss patient safety origins and Joint Commission patient safety goals.
5. Provide information on adverse drug events and current insurance claims data.
6. Examine common causes of medication errors, consumer and provider barriers and error prevention strategies.
7. Review Florida Board of Pharmacy actual case scenarios and actions.

**Credit:** This two-hour course has been approved by the Florida Board of Pharmacy as satisfying the two hour medication error prevention licensure renewal requirement. Course participants should claim only the credit commensurate with the extent of their participation in the activity.

**Contact:** If you have any questions please feel free to contact SIPHELP at (352) 273-7006 or at SIPHELP@ad.ufl.edu.

## **Bibliographic Sources:**

1. Taylor, Ellen, AIA, MBA, EDAC; Keller, Amy, March, EDAC. Creating Safer and More Efficient Pharmacies through Evidence-Based Design. JPSW May/June 2012
2. Nebeker, Jonathon R., MS, MD; Barach, Paul, MD MPH; Samore, Matthew H., MD; Clarifying Adverse Drug Events: A Clinician's Guide to Terminology, Documentation and Reporting. Annals of Internal Medicine  
<http://analls.org/article.aspx?articleid=71754>
3. Aspen, Philip; Wolcott, Julie; Bootman, J. Lyle; Cronenwett, Linda R.; Editors; Preventing Medication Errors: Quality Chasm Series
4. Peterson, G. M., PhD, FSHP; M. S. H. Wu and Bergin, J. K., BPharm MBA; Pharmacists' attitudes towards dispensing errors: their causes and prevention. Journal of Clinical Pharmacy and Therapeutics (1999)
5. Rashidee, Ali, MD, MS; Hare, Juliana, BSN, MPH, CPHQ; Chen, Jack, MS; Kumar, Sanjaya, MD, MSc, MPH; High-Alert Medications: Error Prevalence and Severity. Data Trends <http://www.psqh.com/julyaugust-2009/164-data-trends-html>
6. McCarthy, Kevin, R.Ph. Medication Errors and Public Safety: Tragic Consequences When the System Breaks Down; PharmCon Inc. May 16, 2011
7. Gianutsos, Gerald, PhD, JD; Identifying Factors That Cause Pharmacy Errors USPharmacist.com;  
[http://www.uspahamacist.com/continuing\\_education/ceviewtest/lessonid/105916/](http://www.uspahamacist.com/continuing_education/ceviewtest/lessonid/105916/) December 1, 2008
8. O'Donnell, James T., PharmD, MS, FCP, ABCP, FACN, CNS, RPh; Pharmacist Practice and Liability; Journal of nursing Law, Volume 10, Number 4, 2005
9. Prevention Medication Errors; Institute of Medicine of the National Academies July 2006

10. Prescription Errors and Their Legal Consequences: Best Practices for Prevention <http://www.pharmqd.com/node/82705/lesson> 2011
11. Nair, Rama P., RPh; Kappil, Daya, RPh; Woods, Tonja M., PharmD
10. Strategies for Minimizing Dispensing Errors January 2010  
<http://www.pharmacytimes.com/publications/issue/2010/January2010/P2PDispensingError>
12. ISMP Warns that Emphasizing Speed in Community Pharmacy Prescription Dispensing can Lead to Errors Medical News Today, June 7, 2011
13. Prevention of Adverse Drug Events in Hospitals; [www.uptodate.com](http://www.uptodate.com) September 2012
14. Cina, Jennifer L., Pharm.D.; Gandhi, Tejal K., MD, MPH; Churchill, William, MS, RPh; Fanikos, John, MBA, RPh; McCrea, Michelle, RPh; Mitton, Patricia; Rothschild, Jeffrey M., MD, MPH; Featherstone, Erica; Keohane, Carol, RN; Bates, David W., MD, MSc; Poon, Eric G., MD, MPH; How Many Hospital Pharmacy Medication Dispensing Errors Go Undetected? Joint Commission In Journal On Quality And Patient Safety February 2006/Volume 32/Number 2
15. Zafar, Atif, MD; Hickner, John, MD; Pace, Wilson, MD; Teirney, William, MD; Adverse Drug Event and Medication Error Reporting System for Ambulatory Care (MEADERS) AMIA Annual Symposium Proceedings Archive, 2008
16. Eramo, Lisa A; How to Avoid CPOE Pitfalls For The Record, Volume 22, Number 15,  
<http://www.fortherecordingmag.com/archives/081610p10.shtml>
17. Grasha, Eric M.; Discovering Pharmacy Error: Must Reporting, Identifying and Analyzing Pharmacy Dispensing Errors Create Liability for Pharmacists? Ohio State Law Journal, Volume 63:1419 (2002)
18. Van der Siis, Heleen, MSc, RPh; Aarts, Jos, PhD, Vulto, Arnold, MSc, RPh, PhD; Berg, Marc, MD, MA, PhD; Overriding of Drug Safety Alerts in Computerized Physician Order Entry, Journal of the American Medical Informatics Association, 2006 Mar-Apr
19. Vivian, Jesse C., BS Pharm, JD: Criminalization of Medication Errors [USPharmacist.com](http://www.uspharmacist.com) 2009;34(11):66-68
20. Prescription for Improving Patient Safety: Addressing Medication Errors A report from The Medication Errors Panel, Pursuant to California Senate Concurrent Resolutions 49 (2005) March 2007
21. Kehone, Carol A., BSN, RN; Bates, David W., MD, MSc; Medication Safety, Obstetrics and Gynecology Clinics of North America 35 (2008)
22. Guidelines on Preventing Medication Errors in Pharmacies and Long-Term Care Facilities Through Reporting and Evaluation [ascp Guidelines](http://www.ascp.org)
23. Aronson, Jeffrey K.; Medication Errors: Definitions and Classification *British Journal of Clinical Pharmacology* 2009 June
24. Kesselheim, Aaron S.; Cresswell, Kathrin; Phansaldar, Shobha; Bates, David W.; Sheikh, Aziz: Clinical Decision Support Systems Could Be Modified To Reduce 'Alert Fatigue' While Still Minimizing The Risk Of Litigation. *Health Affairs*/December 2011
25. Cheung, Ka-Chun; Bouvy, Marcel L.; De Smet, Peter A. G. M: Medication Errors: The Importance of Safe Dispensing. *British Journal of Clinical Pharmacology* 2009 June
26. ISMP's List of Confused Drug Names, Institute for Safe Medication Practices June 2011
27. ASHP Guidelines: Minimum Standard for Pharmacies in Hospitals
28. Physical Environments That Promote Safe Medication Use, 2010 The United States Pharmacopeial Convention
29. The Mechanical Errors, Pharmacists Mutual Companies
30. FDA and ISMP Work to Prevent Medication Errors, Institute for Safe Medication Practices
31. ISMP Warns that Emphasizing Speed in Community Pharmacy Prescription Dispensing Can Lead to Errors, Institute for Safe Medication Practices, June 6, 2011
32. ISMP's List of Error-Prone Abbreviations, Symbols and Dose Designation, Institute for Safe Medication Practices
33. Santell, John P.; Hicks, Rodney W.; McMeekin, Judy and Cousins, Diane D.; Medication Errors: Experience of the United States Pharmacopeia (USP) MEDMARX Reporting System. *The Journal of Clinical Pharmacology* July 1, 2003