

Center for Pharmacy Operations and Designs
Research on Medication Errors

1. Varadarajan R, Barker KN, Flynn EA, et al. Comparison of two-error detection methods in a mail service pharmacy serving health facilities. *J Am Pharm Assoc.* 2008;48:371-377.
2. Flynn EA, Barker KN. Effect of an automated dispensing system on errors in two pharmacies. *J Am Pharm Assoc.* 2006;46:613-5.
3. Flynn E, Barker K, Carnahan B. National observational study of prescription dispensing accuracy and safety in 50 pharmacies. *Am J Pharm Assoc.* 2003;43(2):191-200.
4. Barker KN, Flynn EA, Pepper GA. Observation method of detecting medication errors. *Am J Health-Syst Pharm.* 2002;59:2314-2316.
5. Barker KN, Flynn EA, Pepper GA, et al. Medication errors observed in 36 healthcare facilities. *Arch Int Med.* 2002;162:1897-1903.
6. Flynn EA, Barker KN, Pepper GA, et al. Comparison of methods for detecting medication errors in 36 hospitals and skilled-nursing facilities. *Am J Health-Syst Pharm.* 2002;59:436-45.
7. Flynn EA, Barker KN. Medication error research. In: Cohen MR, ed., *Medication Errors.* Washington, DC: American Pharmaceutical Association. 1999, pgs. 6.1-6.30.
8. Flynn EA, Barker KN, Gibson, JT, et al. Impact of interruptions and distractions on dispensing errors in an ambulatory care pharmacy. *Am J Health-Syst Pharm.* 1999;56:1319-25.
9. Flynn EA, Pearson RE, Barker KN. Observational study of accuracy in compounding i.v. admixtures at five hospitals. *Am J Health-Syst Pharm.* 1997;54:904-12.
10. Flynn EA, Barker KN, Gibson JT, et al. Relationships between ambient sounds and the accuracy of pharmacists' prescription-filling performance. *Human Factors: Special Section on Human Factors in Health Care.* 1996;38(4):614-22.
11. Lin AC, Jang R, Sedani D, et al. Re-engineering a pharmacy work system and layout to facilitate patient counseling. *Am J Health-Syst Pharm.* 1996;53:1558-64.

12. Allan EL, Barker KN, Malloy MJ, et al. Dispensing errors and counseling in community practice. *American Pharmacy*. 1995;NS35(12):25-33.
13. Dean BS, Allan EL, Barber ND, et al. Comparison of medication errors in an American and a British hospital. *Am J Health-Syst Pharm*. 1995;52:2543-49.
14. Lin AC. Study of variables affecting floor space requirements for intravenous admixture compounding areas in hospitals: a computer simulation approach. Auburn, AL: Auburn University; 1992. Dissertation.
15. Buchanan TL, Barker KN, Gibson JT. et al. Illumination and errors in dispensing. *Am J Hosp Pharm*. 1991;48:2137-45.
16. Allan EL, Barker KN. Fundamentals of medication error research. *Am J Hosp Pharm*. 1990;47:555-71.
17. Allan EL. Relationships among facility design variables and medication errors in a pharmacy. Auburn, AL: Auburn University; 1994. Dissertation.
18. Barker KN, Harris JA, Webster DB et al. Consultant evaluation of a hospital medication system: analysis of the existing system. *Am J Hosp Pharm*. 1984;41:2009-16.
19. Barker KN, Mikeal RL, Pearson RE et al. Medication errors in nursing homes and small hospitals. *Am J Hosp Pharm*. 1982;39:987-91.
20. Barker KN. Data collection techniques: observation. *Am J Hosp Pharm*. 1980;37:1235-43.
21. Barker KN, Smith MC, Winter ER. The work of the pharmacist and potential use of auxiliaries. *Am J Hosp Pharm*. 1972;29:35-53.
22. Barker KN. The effects of an experimental medication system on medication errors and costs. Part one: introduction and errors study. *Am J Hosp Pharm*. 1969;26:324-33.
23. Barker KN, Kimbrough WW, Heller WM. A study of medication errors in a hospital. Fayetteville, AR: Univ. of Arkansas; 1966.
24. Barker KN, McConnell WE. The problems of detecting medication errors in hospitals. *Am J Hosp Pharm*. 1962;19:360-9.