Executive Summary

STUDY OF THE SCRIPTPRO AUTOMATED PRESCRIPTION DISPENSING SYSTEM IN THE KAISER PERMANENTE PHARMACY IN LARGO, MD.

Betsy Allan Flynn, Ph.D.
Kenneth N. Barker, Ph.D.

Department of Pharmacy Care Systems
School of Pharmacy
Auburn University, Alabama

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The study was conducted by the Center for Pharmacy Operations Design, School of Pharmacy, Auburn University, Alabama. The study followed up on a study done a year earlier. One of the effects measured was accuracy in dispensing.

Data were collected by direct observation of the dispensing process and by stopwatch time study during comparable three-day periods.

Dispensing Errors

A total of 984 prescriptions were inspected: 733 filled manually and 251 filled via ScriptPro. A comparison of the prescription vial contents with the label found two errors among the manually filled prescriptions. One was a wrong strength error (500 mg glucophag in a vial labeled 850 mg) and the other was a wrong drug error (methyldopa 500 mg instead of metronidazole 500 mg). Note: this is comparable to the errors detected in other studies of manual systems.

The number of errors for the ScriptPro system was zero.