

Thesis Title	Development and Evaluation of Patient Medication Profile Software for Counseling in Diabetes Patients
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Abstract

The purpose of this study was to develop as well as evaluate a computer software. It was designed to be use by pharmacist for counseling and data collecting diabetes patients. The study was carried out with randomized controlled paralleled trial during November 2003 to April 2004. Among type 2 diabetes patient at Khlonghoikhong hospital, Songkla province were recruited and randomly allocated to either an experimental or control group. The patients in the experimental group receiving counseling service and collected data on CDMR software while those in control group on conventional patient medication profile .

A total of 38 patients were enrolled in the study (20 in experimental group, 18 in control group). Both groups showed no significant differences ($P > 0.05$) among sex, age, body weight. FBS and BP, chronic disease and numbers of drug related problems. At the end of the study, numbers of identified drug related problems and numbers of drug related problems were solved with no significant difference between experimental group and control group (27 DRPs vs 29 DRPs and 26 DRPs (96.3%) vs 28 DRPs (96.5), $P > 0.05$). Nevertheless, counseling and collecting time used in experimental group was less significantly than control group (34.20 ± 5.43 min vs 46.44 ± 11.13 min, $P < 0.001$). The software satisfaction were evaluated by 4 pharmacists who used CDMR software (1 = least satisfied 5 = most satisfied). The scores range between 3.50 ± 0.58 and 5.00 ± 0.00 which demonstrated moderate to high satisfaction.

In conclusion, CDMR software may be effectively decrease the amount of counseling time spent by the pharmacist.