

C875038 : MAJOR PHARMACY

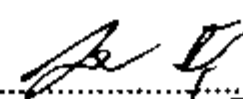
KEY WORD: ANTI-ASTHMATIC / MONITORING / OUTPATIENTS / MEDICATION USE PROCESS.
 MASSARIN THUMMASITBOON : ANTI-ASTHMATIC DRUG MONITORING PROCESS IN
 OUTPATIENTS AT CHUMPHON HOSPITAL. THESIS ADVISOR : ASSO. PROF. RAWADEE
 DHUMMA-UPAKORN. CO-ADVISOR : RUNGPECH CHAROENVISUTHIWONGS, Ph.D. 151 PP.
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The objectives of this study were to establish an antiasthmatic drug monitoring process to provide the accurate and appropriate drug use in outpatient service, and to evaluate the impact of this established model. Problems in medication use process of each patient had been identified and solved by the pharmacist during November 1996 to February 1997 at Chumphon hospital. Forty-two patients participated in this study with 117 episodes of monitoring service provided.

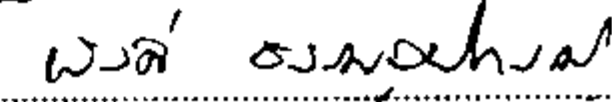
Two hundred and forty-six problems were identified. Nine problems (3.7%) were prescribing errors, 16 problems (6.5%) dispensing errors, 172 problems (69.9%) patient noncompliance, and 49 problems (19.9%) adverse drug reactions. The prescribing and dispensing errors were completely corrected during this monitoring process. Out of 246 problems, 193 problems (78.5%) have been resolved, only 17 problems (6.9%) were uncorrectable, and 36 problems (14.6%) could not be followed up. It was found that the number of medication use problems after the monitoring service was significantly lower than the number of problems before the service rendered at $\alpha = 0.05$. In addition, the mean severity level of clinical symptom was significantly reduced in postmonitoring evaluation at $\alpha = 0.05$. The cost study showed that the monitoring process had 1,155 baht of fixed cost and 32.77 baht per patient of variable cost accounted for total average cost of 60.27 baht per patient.

In conclusion, the result of the implementation of antiasthmatic drug monitoring process in outpatients was satisfied. This monitoring process could be an effective model in detecting and solving problems of medication use process with low budget. The health care team and patients, involved with the monitoring process, were satisfied and accepted that this monitoring process was useful for the patients and should be an ongoing process.

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