Thesis title: Development of Medical Record Auditory System of In- Patient Department at Erawan Hospital, Loei Province
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Abstract

This quasi-experimental research, using a two-group pre-test/post-test design approach, aimed to: (1) develop an intervention program to write discharge summaries on inpatients' medical records using the knowledge-attitude-practice (KAP) theory; and (2) compare the accuracies in preparing discharge summaries with discharge diagnoses of the medical interns before and after the KAP intervention at Erawan Hospital in Erawan district, Loei province.

The study was conducted by reviewing 383 inpatient medical records during the first month (pre-test) of the interns' work and 381 records during the third month (post-test) of their work at the hospital.

The research instruments included: (1) a KAP manual for writing discharge summaries with discharge diagnoses, comprising the line of command and the processes for coordination, data recording, medical record audit, record revision and joint problem-solving; and (2) a medical record audit form for collecting data and auditing the inpatients' discharge summaries with diagnoses written by the interns and the results of medical record audit undertaken by trained medical record auditors, as well as errors in the recording. Data analysis was undertaken to determine percentages, means, standard deviations, and paired samples t-test.

The results showed that: (1) the inpatient medical record audit system has been jointly established at the hospital by the interns and the audit team members with a clear auditing procedure or manual including the processes for joint audit and problem-identification/solving; and (2) the inpatient discharge summaries written by the interns after the KAP approach intervention were better than before the intervention in terms of average relative weight, average adjusted relative weight or case mix index, rate of errors in making discharge diagnoses, and time periods in preparing discharge summaries; overall, their performance was significantly better than before the intervention ($p < 0.05$).

Keywords: Inpatient discharge summary, Medical record audit, KAP theory, Average relative weight