Development of coronary artery disease prevention model of diabetes and hypertension patients within district health system (DHS) Maha Sarakham Province, Thailand

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This action research was aimed to develop coronary artery disease prevention model of diabetes and hypertension patients within District Health System (DHS), Maha Sarakham Province, Thailand. The study process comprised of 4 phases: Planning, action, observation and reflection. Target groups consisted of 2 groups; a group with 7 nurses and a group with 119 patients. The study was conducted from November, 2015 to February, 2016. The instruments included a data record from diabetes and hypertension patients, a questionnaire for interviewing patients and in-depth interviewing for health care providers. Descriptive statistics and content analysis were used to analyze quantitative data and qualitative data. The model includes 9 steps: (1) Situation analysis, (2) Preparation team, (3) Community meeting, (4) Participation problems resolve, (5) Public relation, (6) Training for patients and volunteers, (7) Exercises, (8) Monitoring and summary, and (9) Knowledge management which leads to Mueang model (M: Meeting, U: Unity team, E: Essential cares, A: Appreciation, N: Need to data situation, G: Give support). All steps were consistent with District Health System (DHS). Following development, there were increase in diabetes basis control from 35.8% to 44% and hypertension basis control from 41.8% to 59.5%. High level of knowledge rate increases from 52.11% to 72.83%. The key success leads to Team Information Supporting (TIS).

Biography
Wisaruda Teemueangsai has completed her Bachelor of Nursing Science and Master of Public Health degrees. She is the Head of Maha Sarakham Hospital, Thailand. She has considerable expertise in Community Health Nursing.

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