

CHAPTER 3

RESEARCH QUESTIONS AND OBJECTIVES

Research Questions

Primary question

Does the program of video tapes about diabetic education plus nurse aid consultation result in the actual proportion of uncontrolled NIDDM no more than 15% when compared to the patients allocated to the diabetic nurse educator consultation alone?

Secondary questions

2.1. Does video tapes about diabetic education plus nurse aid consultation change

1. the proportion of subjects who do not need an increase in diabetic medication

2. the knowledge

3. the body weight

4. the diabetic practice (as measured by recall) in uncontrolled NIDDM when compared to patients receiving education from diabetic nurse educator consultation alone?

2.2. Is the program of video tapes about diabetic education plus nurse aid consultation more cost-effective

than the program involving the diabetic nurse educator consultation?

Research Objectives

1. To compare the proportion of uncontrolled NIDDM patients who receive the program of video tapes about diabetic education plus nurse aid consultation versus those receiving the diabetic nurse educator consultation.

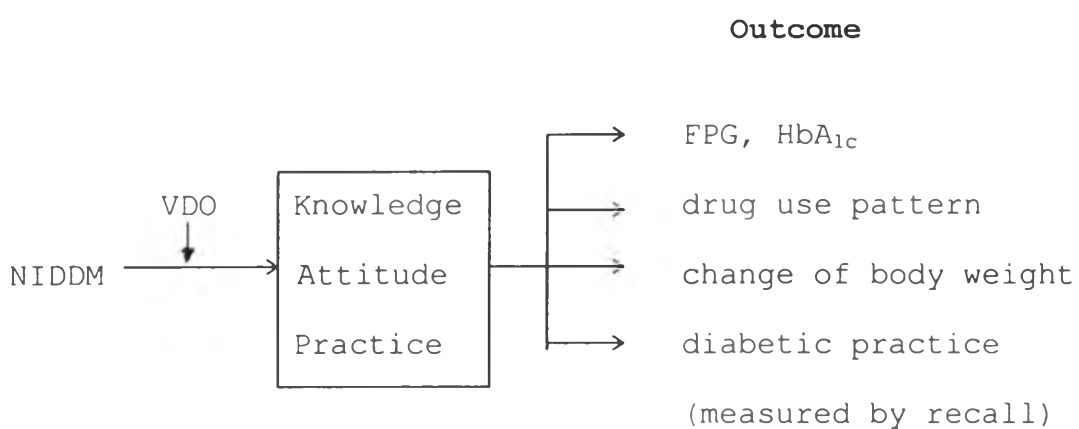
2. To compare the proportion of subjects who do not need an increase in diabetic medication who receive the program of video tapes about diabetic education plus nurse aid consultation versus the proportion of subjects allocated to the diabetic nurse educator consultation.

3. To compare the level of knowledge, a change of body weight and diabetic practice (measured by recall) of the NIDDM who receive the program of video tapes about diabetic education plus nurse aid consultation versus those allocated to the diabetic nurse educator consultation.

4. To assess the cost-effectiveness of the program of video tapes about diabetic education plus nurse

aid consultation when compared to those allocated to the diabetic nurse educator consultation.

Conceptual Framework



Key Words

Non-insulin dependent diabetes mellitus (NIDDM)

Video tapes, HbA_{1c}, Diabetes mellitus(DM)

Operational Definitions

1. Video tapes mean video tapes about diabetic education for the Thai diabetes patients(Appendix 1).

2. Uncontrolled NIDDM means the patients who have fasting plasma glucose(FPG) more than 140 mg/dl at least two times before recruitment.