

The Effect of a Home Environmental Management Program for Children with Asthma on Caregivers' Management Behavior

Nuntawan Khwansuk, Apawan Nookong

Corresponding author:

A. Nookong

Email: nsank@mahidol.ac.th

Nuntawan Khwansuk RN MNS

Professional Nurse, Khokjaroen Hospital,
Khokjaroen District, Lopburi Province,
Thailand

Apawan Nookong RN PhD

Assistant Professor, Faculty of Nursing,
Mahidol University, Bangkok, Thailand

Abstract:

Purpose: To determine the effect of a home environmental management program on caregivers' management behavior for children with asthma.

Design: Quasi-experimental research

Methods: The study sample consisted of 52 caregivers of children with asthma in Amper Khokcharoen and Amper Sra-bod in the province of Lopburi. The sample was divided into experimental and control groups containing 26 subjects each. The sample group was selected by convenience sampling and the data collected by using interviewing questionnaires on demographic data and home environment management for asthma triggers in children with asthma. Skinner's Operant Conditioning Theory was used as the study framework. The experimental group participated in the Home Environment Management Program consisting of instruction by means of computer media, positive reinforcement through home environment assessments and encouragement, and follow-up by home visits and telephone calls, while the control group received only routine nursing care. Data were analyzed using t-tests.

Main findings: The experimental group had better home environment management behavior scores with statistical significance ($t = 12.943, p < .001$).

Conclusion and recommendations: The Home Environmental Management Program was effective in increasing appropriate home environmental management behavior. The program should be encouraged in care of children with asthma, and further research be undertaken to further validate the program.

Keywords: asthma, caregivers, home environmental management program dignity.

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