Thesis Title :   Relationships between Health Behaviors   and   Home
                   Enviornment, Cognitive Domain, Attitude of Prathom
                   Suksa 6 Students, Chiang Mai Province

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M.Ed. :   Educational Measurement and Evaluation

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Abstract

The purposes of this study were as follows : (1) to construct
home environment questionnaire about health, cognitive domain test
about health, attitude scale toward health, and health behavior
checklist   (2) to find intercorrelation coefficient between the home
environment about health, the cognitive domain about health, the
attitude toward health and the health behavior   (3) to find the
Coefficient of Multiple Correlation and a ratio of prediction between
the home environment, the cognitive domain about health, the attitude
toward health and the health behavior.

The samples were 366 Prathom Suksa 6 students from schools under
the Primary Education office, Chiang Mai Province. The samples were
studying in the second semester of the 1996 academic year.

The instruments used for collecting data in this research were the home environment questionnaire about health, the cognitive domain test about health, the attitude scale toward health, and the health behavior checklist. These instruments were constructed by the researcher.

The qualitative of instruments were analyzed by using Dr.Paitoon Pothisaan's TESTQUALITY Computer Program of the 1988 and the data were analyzed by SPSS/PC$^+$ Computer Program of SPSS Inc. on Multiple Regression Analysis. The results were as follows.

1. The statistical analysis of each instruments were as follows:

1.1 The home environment questionnaire of four aspects that is children nurturance, behavior of guardian, supporting of guardian, expectation and accepting of guardian has construct validity and content validity.

1.2 The cognitive domain test about health has construct validity and content validity, the difficulty value ($\bar{p}$) was 0.60, the discrimination value ($\bar{r}$) was 0.32, the reliability coefficient was 0.7449 and the standard error of measurement was 4.1996

1.3 The attitude scale toward health has construct validity and content validity. Every item has discrimination power significantly at 99 %. The reliability was 0.7834 and the standard error of measurement was 5.0124.

1.4 The health behavior checklist has construct validity and content validity. Every item has discrimination power, significantly at 99 %. The reliability was 0.7446 and the standard error of measurement was 4.1996

2. The relationships between home environment of each aspects, cognitive domain about health of each levels, attitude toward health and health behavior were as follows: For 66 values of intercorrelation coefficient the 54 values (81.82 %) were positively correlated significantly (47 values were significantly at the .01 and 7 values were significantly at the .05) and the 12 values (18.18 %) were not correlated.

3. The relationships between home enviornment of every aspects, cognitive domain about health of every levels, attitude toward health and health behavior were positively correlated significantly at the .01.

4. The Multiple Correlation Coefficient and a ratio of prediction between the home environment, the cognitive domain about health, the attitude toward health and health behavior were as follows:

4.1 The behavior of guardian (ARO), the attitude toward health (CTO), and the cognitive domain on knowledge level (KNO) were selected to predict health behavior significantly at the .01 and the children nurturance (ANU) was selected to predict health behavior significantly at the .05 with the Coefficient of Multiple Correlation about 0.4911 and also can be used to predict health behavior about 24.12 percent, the prediction equation in raw score and standard score as follows:

$$Y = 62.0801 + 0.1843X_{CTO} + 0.6050X_{ARO} + 0.4761X_{KNO} + 0.1775X_{ANU}$$

$$Z = 0.2389Z_{CTO} + 0.2271Z_{ARO} + 0.1386Z_{KNO} + 0.1298Z_{ANU}$$

The predictions could be ranked according to their prediction ratios were as follows : the attitude toward health (CTO) 7.85 percent, the behavior of guardian (ARO) 7.46 percent, the cognitive domain on knowledge level (KNO) 4.55 percent, and the children nurturance 4.26 percent.

4.2 The Attitude toward Health Behavior, the Home Environment of every aspects and the Cognitive Domain about Health of every level were selected to predict Health Behavior significantly at the .01 with the Coefficient of Multiple Correlation about 0.4825 and also can be used to predict Health Behavior about 23.28 persent, the prediction equation in raw score and standard score as follows:

$$Y = 61.5886 + 0.1816X_{CTO} + 0.2172X_{ATO} + 0.1860X_{BTO}$$

$$Z = 0.2353Z_{CTO} + 0.2919Z_{ATO} + 0.1426Z_{ZBTO}$$

The predictions could be ranked according to their prediction ratios were as follows : the home environment of every aspect (ATO) 10.14 percent, the attitude toward health (CTO) 8.18 percent and the cognitive domain about health (BTO) 4.96 percent.