Factors affecting the capabilities of family development centre staff regarding promotion of pre-school language learning amongst parents in Thailand

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Abstract

Purpose – The purpose of this paper is to investigate the factors contributing to the competencies and capabilities of Family Development Center (FDC) staff in order to promote pre-school language developmental support amongst parents.

Design/methodology/approach – A cross-sectional study was conducted amongst 260 FDC staff under the supervision of Thai local authorities in the rural province of Suphanburi in Thailand from July to September 2016. Self-administered questionnaires were used. Eligible participants with at least a year’s experience on the FDC committee were purposively selected. Analyses were performed by descriptive statistics, Pearson’s correlation, Spearman’s correlation, χ² test and stepwise multiple regression.

Findings – Only 23.5 percent of staff had a high level of capability. The respondents’ perceptions of their self-capability were influenced by motivation, attitudes toward promoting language learning amongst parents, self-efficacy, sufficient budget and receiving constructive appraisal support (r = 0.387, 0.328, 0.366, 0.106 and 0.104, respectively). Marital status was negatively associated with FDC staff capability (r = -0.172). The multivariate analysis showed that 23.9 percent of the variability of FDC staff’s self-capability could be explained by their motivation for working, attitude, self-efficacy and marital status (p < 0.001).

Originality/value – Research findings could be used to improve motivation for working, positive attitudes and self-efficacy regarding parenting promotion for pre-school language development to achieve standardized quality performance. Results of this study could also form the basis for designing effective training programs for FDC staff in the context of the specific organization and community.

Keywords Family Development Center staff, Parenting promotion, Pre-school language development, Thailand

Paper type Research paper
Background

The Commitment to Social Determinants of Health, established by the World Health Organization, identified early child development as a priority issue[1]. Language development is especially important during the early years. When children spend their early years in a low stimulating environment, their brain development is affected and delayed. This results in lifelong deficits not only in language function, but also in social, emotional/behavioral, academic and economic wellbeing. Later in life, it also leads to difficulty dealing with complicated circumstances and environments[2, 3].

Statistics on a young child’s development are not available for most developing countries, leading to a gap in global data on the topic of early childhood development[4]. Studies supported by UNICEF and published in the Lancet Global Health in 2016 revealed that 250m, or 43 percent, of young children around the world, especially in low- and middle-income countries, were unable to fulfill their developmental potential due to inappropriate parenting and lack of developmental encouragement[5, 6]. Several Thai agency surveys revealed a high prevalence of delayed child language development[7]. In all, 23.7 percent of cases involved delays higher than other developmental aspects and far below the national targets making the situation a cause for concern[8].

The family environment is a child’s first point of interaction after birth as well as being the initial source of support, nurturance and stimulation[9]. A child’s first language skills are developed at home and parents are usually a child’s first teacher. Therefore, families are essential for early childhood language acquisition and in nurturing children’s language and literacy development[10]. At home, it is important to encourage family members to relate stories about themselves and their surroundings, play quiz games, sing and read a poem or a picture storybook to children. These practices are also useful for maintaining learning attention spans and enjoying language practices[11]. Although child-rearing practices have a significant influence on early childhood language development, parents are still following inappropriate parenting practices, especially in Thai rural communities[12].

Currently, the Family Development Center (FDC), a community-based sector, increasingly plays a role in supporting families to take good care of their children. The FDC was introduced in 2004 by the Ministry of Social Development and Human Security, Thailand, and aimed at family promotion and development to strengthen warm relationships among family members and expand social immunization for family members in the community. The remit of the FDC consists of three missions including: surveying family problems and making plans to support families suited to their needs; developing, and strengthening the family by providing learning activities to promote and support families; and building collaboration with a partnership in the community. FDC staff represent significant social capital to encourage families because they are central to the family learning experience[13]. However, evidence has revealed that they increasingly require extensive knowledge of a broad range of issues and improved knowledge of the services available to support vulnerable children and their families[14]. Insufficient competency of FDC staff remains a significant problem in performing tasks. Moreover, there is insufficient research on the capability of FDC staff regarding parenting promotion for pre-school language development in Thailand.

Some evidence revealed that many FDC staff rarely received the preparation they needed to offer greater quality of care for families because the government did not require such a program and because they could not access training and educational opportunities. As a result of this problem, most staff did not understand their roles in the developmental learning process for strengthening families, were unable to provide support on family development and were unable to set learning activities[13, 15].

Quality of care and family support is closely tied to staff capabilities. Personal competencies are an important factor influencing individual performance[16]. Factors related to determining the capabilities of working staff include individual attributes, work effort...
and organizational support. Individual attributes involve personal characteristics and the individual’s potential directly affecting work. In addition, attitude and self-efficacy, are psychological attributes that help an individual to work effectively[17]. The self-efficacy theory has been deemed appropriate as a framework for exploring staff capability predictors because individuals with strong efficacy beliefs are more confident in their ability to execute a prescribed behavior. Perceived self-efficacy also affects how successfully goals are accomplished by influencing the level of effort and persistence an individual will demonstrate in the face of obstacles. That is, the stronger the perceived self-efficacy, the more active the efforts will be[18].

Based on the literature above, although FDC capability has received attention, relatively little is known about the existing competencies of FDC working staff and the factors influencing their capabilities regarding family support services to promote child-rearing practice concerning Thai early childhood language development[8, 19, 20].

This study was conducted in Suphanburi province, a central part of Thailand, selected because the children enrolled in child development centers here were assessed as being amongst the most delayed in their development[21]. Therefore, this research aimed to investigate the factors that could affect this issue as well as predict the rating of self-capability of FDC staff regarding parenting promotion concerning pre-school language development in Thailand. The findings from this study may raise the awareness of stakeholders and policymakers thereby creating a mutual commitment to exploring possible alternative professional development interventions suiting the context of their communities.

Methods
Study design
This research employed a cross-sectional survey design.

Research setting
Based on the developmental surveillance of young children who were enrolled in child development centers in Thailand in 2015, it was noted that the fifth Region Health Center had the highest prevalence of suspected delay (45.75 percent) when compared to other Regional Health Centers. When classified by province, it was indicated that Suphanburi, the province under the supervision of the fifth Region Health Center, presented the highest priority of prevalence (63.43 percent) and needed improvement[21]. Therefore, Suphanburi was selected as the research setting of this cross-sectional study.

Participants, sample size and sampling method
The registered FDC staff formed a representative sample of the 1,890 committee members across 126 FDCs under the supervision of local government authorities throughout ten districts in Suphanburi province. Participants were purposively selected if they had at least one year’s experience working in the FDC[22]. The estimated sample size of FDC staff was calculated using the formula of Daniel[23]. The whole population and most factors in this study involved nominal scale data; thus, the related study of Ponanudomsuk[24] investigating the readiness for the teamwork of the Community FDC Committee could be used to approximate the proportional value of the population. At least 199 staff provided adequate responses for data analysis. All respondents with the same proportion (2–3 staff: 1 FDC) from all 126 FDCs (in total, 334 staff) were purposively selected to include a geographical spread across the province, a mix of city municipalities, the small-town municipalities and the rural sub-district administrative organizations. Staff were selected if they were FDC heads, deputies and ordinary volunteer staff whose work was directly related to promoting and supporting families and if they were willing to participate in this study by signing the informed consent form.
The self-administered questionnaires were developed by the authors comprising six parts as described below:

- **Part 1:** general data of FDC staff were measured by querying respondents about individual factors (sex, age, marital status, educational level, occupation, family income, family type, work experience in FDC, work experience in parenting promotion for pre-school language development, training received and other roles in the community) and organizational factors (type of local authorities and social support in working). Data were developed based on literature reviews related to roles of FDC staff[13] and factors influencing staff capability[17]. Participants had to complete a 13-item checklist.

- **Part 2:** motivation for working was measured in terms of work achievement, recognition, the work itself, responsibilities and advancement. This section was developed based on the motivator-hygiene theory proposed by Herzberg *et al.*[25]. In all, 20 items were used with five-rating scales where higher scores indicated a greater motivation to work.

- **Part 3:** knowledge of pre-school language development promotion was measured using a knowledge test. It was developed based on literature reviews related to the concept of pre-school language development promotion[26]. A total of 23 items were used with a “Yes” or “No” option. A higher positive score indicated having more knowledge.

- **Part 4:** attitudes toward parenting promotion for pre-school language development promotion were assessed using 20 Likert-scale items with five response categories (strongly agree to strongly disagree). Higher scores indicated having more positive attitudes. Items included a motivation for the working self-efficacy theory, roles of FDC staff, capacity building concept and the empirical data on pre-school language development. It was developed based on literature reviews related to the concept of pre-school language development promotion[26].

- **Part 5:** self-efficacy on parenting promotion for pre-school language development was measured by assessing the extent to which staff were confident in providing services. It was developed based on a self-efficacy theory developed by Bandura[18]. A total of 20 Likert-scale items with five response categories (unconfident to extremely confident) were used; higher scores indicated having more self-efficacy.

- **Part 6:** capability on parenting promotion for pre-school language development promotion was measured by the ability to perform project management, participatory learning in family services and partnership collaboration. It was developed based on literature reviews related to roles of FDC staff[13]. A total of 21 Likert-scale items with four response categories (could not practice to could practice immediately without any suggestion) were used; higher scores indicated having greater levels of capability.

### Validity and reliability of research instruments

The research instruments were inspected by the dissertation committee and submitted to three experts to assess their accuracy, content validity and language use. Recommendations from experts were collected and used to revise and upgrade the tools accordingly. Item Objective Congruence Index values ranged between 0.74 and 0.95. After that, the revised instruments were used to pilot 30 FDC staff working under local authorities in Ayutthaya Province in a similar context and with typical characteristics of the study sample. Data were verified with internal consistency for the questionnaire on the motivation for working, attitudes, self-efficacy and capability on parenting promotion for early childhood language development promotion, Cronbach’s α coefficient was valued at
0.890, 0.788, 0.931 and 0.965, respectively. For the questionnaire on knowledge, the reliability value was calculated using the Kuder–Richardson formula (K-R 20) and the value was 0.783.

Data collection
Data samples were collected using self-administered questionnaires from July to September 2016. Permission letters from Mahidol University were submitted to the Suphanburi Provincial Social Development and Human Security Office, provincial administrative organization and chief executives of all local authorities requesting their collaboration in collecting data. The questionnaires with attached consent forms were distributed by mail to the entire population. A total of 260 completed questionnaires were returned (response rate equaled 77.84 percent).

Data analysis
The data were analyzed using SPSS for Windows version 18. Missing values and relevant assumptions related to selected statistics in this study were checked before initiating the analysis[23]. Frequency distribution, percentage, mean and standard deviation were calculated to explain population characteristics. Pearson's product moment correlation coefficient, Spearman's rank-order correlation and $\chi^2$ test were used to determine the relationship between independent variables and FDC staff capability on parenting promotion for pre-school language development. Stepwise multiple regression analysis was used to analyze variables that could predict the FDC staff capability on parenting promotion for pre-school language development.

Ethical consideration
Prior to collecting data, approval was obtained from the research ethics committees of Mahidol University, Thailand MU-IRB 2016-081, to address concerns of the ethics of human research including freedom, equity and participant protection. The informed consent forms were completed by individuals before they completed any questionnaires.

Results
Demographical data
The participants included 106 males (40.8 percent) and 154 females (59.2 percent) with an average age of 45.57. Most respondents, 37.3 percent, were educated to secondary school level, 46.2 percent were government officials and 67.7 percent were married. Approximately 60 percent of respondents resided in a nuclear family. They had an average family monthly income of 27,877 THB, while 41.2 percent reported having sufficient income and saving money. Most staff, 59.2 percent, served in other roles within the community. Most roles involved community leaders, village health volunteers and village committee members, i.e. 48.1, 40.3 and 37.0 percent, respectively. Nearly three-fourths (65.4 percent) worked under the responsibility of the Sub-district Administrative Organization. The duration of work experience among FDC staff ranged from one to ten years with an average of 4.54 years. Altogether, 71.2 percent had work experience in the area for one to five years. The staff had experience in parenting promotion for pre-school language development at an average of 1.22 years. Overwhelmingly, most respondents (71.9 percent) had no prior experience in parenting promotion for pre-school language development and 63.8 percent had no prior training experience in parenting promotion for pre-school language development (Table I).

The capability of FDC staff regarding parenting promotion for pre-school language development
Motivation for working was divided into three levels: high, moderate and low. It was found that FDC staff (75.4 percent) had a motivation to work score at a moderate level,
Table I. Number and percentage of FDC staff, categorized by personal characteristics

| Personal characteristics                  | Number | %   |
|-------------------------------------------|--------|-----|
| Sex                                       |        |     |
| Male                                      | 106    | 40.8|
| Female                                    | 154    | 59.2|
| Age (years)                                |        |     |
| 20–34                                     | 33     | 12.7|
| 35–49                                     | 135    | 51.9|
| 50–64                                     | 79     | 30.4|
| 65–79                                     | 13     | 5.0 |
| Min. = 20, Max. = 76, Median = 44, Mean = 45.57, SD = 10.54 |
| Educational level                         |        |     |
| Primary education                         | 6      | 2.3 |
| Secondary education                       | 97     | 37.3|
| Bachelor’s degree                         | 80     | 30.8|
| Master’s degree                           | 77     | 29.6|
| Occupation                                |        |     |
| Agriculturist                             | 57     | 21.9|
| Employee                                  | 30     | 11.6|
| Private businessman                       | 40     | 15.4|
| Government official                       | 120    | 46.2|
| Retired government official               | 10     | 3.8 |
| Unemployed                                | 3      | 1.2 |
| Marital status                            |        |     |
| Single                                    | 62     | 23.8|
| Married                                   | 176    | 67.7|
| Widow/divorced/separated                  | 22     | 8.4 |
| Type of family                            |        |     |
| Nuclear family                            | 151    | 58.1|
| Single father                             | 4      | 1.5 |
| Single mother                             | 19     | 7.3 |
| Extended family                           | 86     | 33.1|
| Family income per month (Baht)            |        |     |
| 5,001–15,000                              | 70     | 26.9|
| 15,001–25,000                             | 84     | 32.3|
| 25,001–35,000                             | 52     | 20.0|
| 35,001–45,000                             | 18     | 6.9 |
| 45,001 and over                           | 36     | 13.8|
| Min. = 7,000, Max. = 150,000, Median = 20,000, Mean = 27,877, SD = 20,437.57 |
| Status of income                          |        |     |
| Sufficiency, having no saved money        | 95     | 36.5|
| Sufficiency, having saved money           | 107    | 41.2|
| Insufficiency, having no debt             | 14     | 5.4 |
| Insufficiency, having debt                | 44     | 16.9|
| Other roles in the community              |        |     |
| Having no other role                      | 106    | 40.8|
| Having other roles                        | 154    | 59.2|
| Type of local administrative organization |        |     |
| Sub-district administrative Organization  | 170    | 65.4|
| Sub-district municipality                  | 84     | 32.3|
| Town municipality                         | 6      | 2.3 |
only 19.2 percent of them were motivated to work at a high level and 5.4 percent of them obtained low-level scores. Knowledge about parenting promotion for pre-school language development was divided into 3 levels: good, moderate, and low. In accordance with the criteria, it was found that 70.4 percent of FDC staff had the knowledge score at a good level, and 27.7 percent and 1.9 percent gained moderate and low levels, respectively.

Attitude toward parenting promotion for pre-school language development was divided into three levels: positive, neutral and negative. By referring to the criteria, it was found that 71.9 percent of FDC staff had neutral attitudes toward parenting promotion for pre-school language development, 27.7 percent of them had positive attitudes and only 0.4 percent of them had a negative attitude. Self-efficacy on parenting promotion for pre-school language development was divided into three levels: high, moderate and low. According to the criteria, it was found that 67.7 percent of FDC staff had moderate levels of self-efficacy and only 26.5 percent of them had high self-efficacy scores, while 5.8 percent of them had low self-efficacy levels. For capability in performing tasks regarding parenting promotion for pre-school language development, findings revealed that only 23.5 percent of staff had a high level of capability. The majority, 63.8 and 12.7 percent, had moderate and low levels of capability, respectively, which needed to be improved. When the capability of FDC staff was specifically examined, most activities were scored as moderate or average or indicated that they could practice to a higher level if they received training. These research findings were consistent with data collected from 30 observational field notes across a wide range of different areas (in total, ten districts), different sizes of local authorities (town municipality, sub-district municipality and sub-district administrative organization), and various positions in FDC (head, subhead and committee members). The results showed that approximately 70 percent of FDC staff thought they lacked knowledge and capability in performing tasks to assist parents with parenting promotion for pre-school language development.

| Personal characteristics                          | Number | %  |
|--------------------------------------------------|--------|----|
| Type of other roles (n = 154)                     |        |    |
| Village health volunteer                         | 62     | 40.3|
| Community leader                                 | 74     | 48.1|
| Village committee                                | 57     | 37.0|
| Community enterprise                              | 16     | 10.4|
| Social development volunteer                      | 34     | 22.1|
| Other committees                                  | 31     | 20.1|
| Duration of work experience in the FDC (year)     |        |    |
| 1–5                                              | 185    | 71.2|
| 6–10                                             | 75     | 28.8|
| Min. = 1, Max. = 10, Median = 4, Mean = 4.54, SD = 2.41 |
| Duration of work experience in parenting promotion for pre-school language development (year) |        |    |
| No experience                                    | 187    | 71.9|
| 1–5                                              | 54     | 20.8|
| 6–10                                             | 19     | 7.3|
| Min. = 0, Max. = 10, Median = 0, Mean = 1.22, SD = 2.44 |
| Previous training experience in parenting promotion for pre-school language development (times) |        |    |
| No experience                                    | 166    | 63.8|
| 1–5                                              | 89     | 34.2|
| 6–10                                             | 5      | 1.9|
| Min. = 0, Max. = 10, Median = 0, Mean = 0.96, SD = 1.70 |

Note: n = 260

Table I.

FDC staff
Levels of FDC staff capacity in terms of motivating factors in working, knowledge, attitude, self-efficacy and capability on parenting promotion for pre-school language development are presented in Table II.

Analysis of factors that could predict the capability of FDC staff regarding parenting promotion for pre-school language development

Relationships between study variables were examined using a $\chi^2$ test and Pearson and Spearman’s correlation coefficient. Most independent variables were significantly associated with overall staff capability. Marital status, request for training and sufficiency of material support ($\chi^2 = 10.551, 9.242$ and $7.778$, respectively) were correlated to FDC staff capability. Moreover, the motivation for working, attitudes toward promoting parenting, self-efficacy on encouraging parenting, sufficient budget and received appraisal support ($r = 0.387, 0.328, 0.366, 0.106$ and $0.104$, respectively) were positively related to FDC staff capability. Marital status (single/widow/divorced/separated) was negatively associated with FDC staff capability ($r = -0.172$). On the other hand, non-parametric continuous data were analyzed using Spearman’s correlation coefficient. It was revealed that age, family income, duration of work experience in FDC, duration of work experience on parenting promotion and training experience ($r_s = 0.097, 0.156, 0.102, 0.148$ and $0.189$, respectively) were positively related to FDC staff capability (Table III).

When the association was tested using the Stepwise multiple regression methods of analytical statistics, in which the other variables had already been controlled, 23.9 percent of

| Research variables                                      | Range score | Number | %   |
|---------------------------------------------------------|-------------|--------|-----|
| Motivation for working                                   |             |        |     |
| Low level of motivation                                  | 0–59        | 14     | 5.4 |
| Moderate level of motivation                             | 60–79       | 196    | 75.4|
| High level of motivation                                 | 80–100      | 50     | 19.2|
| Min. = 47, Max. = 97, Median = 72, Mean = 72.52, SD = 8.93 |
| Knowledge about parenting promotion for pre-school language development |             |        |     |
| Low level of knowledge                                   | 0–13        | 5      | 1.9 |
| Moderate level of knowledge                              | 14–18       | 72     | 27.7|
| Good level of knowledge                                  | 19–23       | 183    | 70.4|
| Min. = 11, Max. = 23, Median = 20, Mean = 19.34, SD = 2.56 |
| Attitude toward parenting promotion for pre-school language development |             |        |     |
| Negative attitude                                        | 0–59        | 1      | 0.4 |
| Neutral attitude                                         | 60–79       | 187    | 71.9|
| Positive attitude                                        | 80–100      | 72     | 27.7|
| Min. = 59, Max. = 94, Median = 76, Mean = 76.18, SD = 7.12 |
| Self-efficacy on parenting promotion for pre-school language development |             |        |     |
| Low self-efficacy                                        | 0–59        | 15     | 5.8 |
| Moderate self-efficacy                                   | 60–79       | 176    | 67.7|
| High self-efficacy                                       | 80–100      | 69     | 26.5|
| Min. = 51, Max. = 97, Median = 74.50, Mean = 73.96, SD = 9.40 |
| Capability on parenting promotion for pre-school language development |             |        |     |
| Low level of capability                                  | 1.00–2.00   | 33     | 12.7|
| Moderate level of capability                             | 2.01–3.00   | 166    | 63.8|
| High level of capability                                 | 3.01–4.00   | 61     | 23.5|
| Min. = 29, Max. = 82, Median = 56, Mean = 56.03, SD = 10.47 |

Note: $n = 260$
| Variables                      | Capability | Age  | Family income | Marital status | Work in FDC | Parenting promotion | Training experience | Budget | Appraisal | Motive | Attitude |
|-------------------------------|------------|------|---------------|----------------|-------------|--------------------|---------------------|--------|-----------|--------|----------|
| Age                           | 0.097*     |      |               |                |             |                    |                     |        |           |        |          |
| Family income                 | 0.156*     |      | −0.186**      |                |             |                    |                     |        |           |        |          |
| Marital status                | −0.172**   |      | −0.400**      | −0.028         |             |                    |                     |        |           |        |          |
| Work experience in FDC        | 0.102**    | 0.015| 0.236**       | −0.115*        |             |                    |                     |        |           |        |          |
| Parenting promotion experience| 0.148*     | 0.077| −0.149*       | −0.162**       | 0.122*      |                    |                     |        |           |        |          |
| Training experience           | 0.189**    | 0.179| −0.170**      | −0.115*        | 0.179**     | 0.346**            |                     |        |           |        |          |
| Budget support                | 0.106*     | −0.142| 0.018         | 0.140*         | −0.102      | 0.087              | 0.193**             |        |           |        |          |
| Appraisal support             | 0.104*     | 0.190| −0.063        | −0.122*        | 0.012       | 0.170**            | 0.240**             | 0.099  |           |        |          |
| Motivation                    | 0.387**    | 0.183| 0.005         | −0.144*        | 0.125*      | 0.268**            | 0.295**             | 0.122* | 0.145**   |        |          |
| Attitude                      | 0.328**    | 0.077| 0.141*        | −0.087         | 0.169**     | 0.184**            | 0.100               | 0.134* | −0.051    | 0.535**|          |
| Self-efficacy                 | 0.366**    | 0.019| 0.214**       | −0.031         | 0.059       | 0.171**            | 0.214*              | −0.006 | 0.060     | 0.251**| 0.326**  |

Notes: $n = 260$. aReference group: single/widow/divorced/separated; bReference group: sufficient budget; cReference group: received appraisal support; Marital status, motivation, attitudes, self-efficacy, budget and appraisal support were analyzed using Pearson correlation, while age, family income, work experience in FDC, work experience in parenting promotion and training experience were analyzed using Spearman’s correlation. *$p < 0.05$; **$p < 0.01$
the variability of FDC staff capability on parenting promotion for pre-school language development could be explained by combining four considerable variables including motivation for working, attitudes toward parenting promotion for pre-school language development, self-efficacy on parenting promotion and marital status, with statistical significance ($p < 0.001$) as presented in Table IV.

The regression formula that could predict the capability on parenting promotion for pre-school language development of FDC staff in Suphanburi province was described as follows:

$$y = \beta a + \beta_1 X_1 + \beta_2 X_2 + \beta_3 X_3 + \beta_4 X_4,$$

where $y$ is the capability of parenting promotion for pre-school language development of FDC staff, $X_1$ is motivation for working, $X_2$ is attitude toward parenting promotion for pre-school language development, $X_3$ is self-efficacy on parenting promotion for pre-school language development and $X_4$ is marital status.

From the regression formula, it could be explained that the capability for parenting promotion for pre-school language development of FDC staff will increase by 0.268 units when the motivation score changes 1 unit after the controlling attitude toward parenting promotion for pre-school language development, self-efficacy on parenting promotion for pre-school language development and marital status. Also, regarding controlling motivation for working, self-efficacy on parenting promotion for pre-school language development and marital status, staff’s capability will increase by 0.314 units when the attitude score changes by 1 unit. When controlling the motivation for working, attitudes toward parenting promotion for pre-school language development and marital status, staff’s capability will increase by 0.183 units when the self-efficacy score changes by 1 unit. Finally, if controlling motivation for working, attitude and self-efficacy on parenting promotion for pre-school language development, staff’s capability will decrease by 2.888 units when the marital status changes to be single.

**Discussion**

The findings indicated that the capability of FDC staff was insufficient because more than one half (63.8 percent) had only a moderate level of capability. According to the concept of capability[27, 28], an individual’s organizational units to perform tasks effectively depends on knowledge, skills and experience. The findings confirmed that individual and organizational factors were significantly associated with the capability of FDC staff.

Personal characteristics including age, family income and marital status were significantly associated with staff capability. There was a difference in levels of skills parenting promotion for pre-school language development between those who were young

| Forecast variables                        | $\beta$ | SE  | Exp. ($\beta$) | $t$     | $p$-value |
|------------------------------------------|---------|-----|----------------|---------|-----------|
| Motivation for working                   | 0.268   | 0.077| 0.228          | 3.488   | 0.001     |
| Attitude toward parenting promotion     | 0.314   | 0.085| 0.213          | 3.674   | $<0.001$  |
| Self-efficacy on parenting promotion    | 0.183   | 0.074| 0.164          | 2.471   | 0.014     |
| Marital status\*                        | −2.888  | 1.255| −0.118         | −2.131  | 0.034     |
| Constant                                 | −0.141  | 7.112|                |         |           |

$R^2 = 0.239$, $R^2$ adjusted $= 0.227$, SE $= 9.21$

**Notes:** $n = 260$. \*Reference group: single/widow/divorced/separated

Table IV. Result of stepwise multiple regression analysis among independent factors and the capability on parenting promotion for pre-school language development of FDC staff.
and old, those who earned low income and high income or those who were single and couple. An older FDC worker with more experience in child-rearing practice was viewed as more competent than younger workers, while a high-income volunteer seems to be more competent than those who had a lower income. Regarding marital status, most FDC committee members who were both single and married, had competency levels that needed improvement. However, FDC workers with children between the ages of zero to five years old worked with more determination because a higher necessity was seen. These findings were consistent with another study in Thailand that revealed a significant difference in ages correlated with the competency in FDC implementation[24, 29]. Moreover, the study of Chang et al.[16] and He et al.[30] also found that age and economic status significantly influenced individual performances and competencies.

Regarding the direct effects of working as a committee member of the FDC, experience related to child-rearing promotion as well as training experience influenced staff competency. Furthermore, staff required a broad range of competencies, so when trained, they tended to be more skilled and competent than staff who did not request training. This explained that individual potential, such as knowledge, skills and individual specialization has to be obtained from education, training and experience[17]. This finding was consistent with many studies that length and experience of work influenced the self-evaluation competency[29, 30].

This study showed that attitudes toward parenting support for language development were directly influenced by FDC staff capacity. This corresponds with previous research where the psychological attributes of attitude consist of the person’s feelings toward experiences, personalities, institutes or social issues[31, 32]. In this study, attitudes influenced FDC staff capacity. Staff who had a positive attitude toward work were more competent than those who had a negative attitude. Likewise, a survey about readiness for the teamwork of FDC committee members in Thailand found that readiness to work was associated with knowledge and attitudes toward work[24, 33].

When considering the level of work effort, staff capability also depended on the level of motivation for an individual to successfully complete a task, and exert strong effort[25]. For this study, motivation strongly related to staff capacity. Staff with high levels of motivation were more competent than those who had lower motivation levels.

Our finding revealed that self-efficacy was significantly associated with the capability of FDC providers. Individuals with strong efficacy beliefs are more confident in their ability to execute work tasks. That is, the stronger the perceived self-efficacy, the more active our efforts. Higher self-efficacy is also associated with more persistence, a trait that allows us to gain corrective experiences that reinforce our sense of self-efficacy[18]. Likewise, the study of van Hooft et al.[34] revealed that a significant association existed between self-efficacy and competency.

Moreover, the research finding revealed organizational factors significantly correlated with staff capability that included sufficiency in both budget and materials, as well as receiving appraisal support. Organizational support regarding continuous budget allocation is an important factor. FDC staff had to earn financial support to run the projects more effectively. Some people had no chance to take part in activities because of insufficient funding[15, 33]. Appraisal support involves providing information that is useful for self-evaluation purposes including feedback construction, affirmation and social comparison provided by colleagues and relevant agencies. Even though an individual was qualified for a task and highly motivated toward it, with high motivation to accomplish it, the work still would not be completed competently without organizational or social support[35]. This finding was consistent with several studies on developmental strategies of the community FDC in Thailand, showing that local authorities had neither played a role in supervising and overseeing nor had it given substantial support to FDC work, regardless of academic or budget support. It comprised of the barriers to accomplishing the FDC’s mission[15, 36, 37].
Limitations

Some limitations merit consideration. First, the respondents might have overstated their capability levels in self-reported surveys. Although using an observational checklist instrument to strengthen the validity of data in this study, some FDC staff performance, for example, in developmental screening, was limited to direct observation. Second, some self-assessment questionnaires were returned to the author by mail, leading to some lost data and a consequent reduction in sample size. Furthermore, due to using a cross-sectional survey as a research design, a causal relationship could not be drawn, so the findings were not able to indicate cause and effect.

Conclusion and recommendations

The findings from this study provide new insights into how to develop professional competency. It suggests that training programs should be developed and arranged using the participatory learning approach enabling FDC staff to increase motivation, develop positive attitudes toward work and enhance self-efficacy to increase confidence to perform parenting promotion services appropriately. Moreover, the married staff, who had more experience of child-rearing practice, should form a self-help group to support, encourage and offer childless staff the opportunity to exchange ideas and experiences in terms of providing family services. Consequently, it would be valuable for relevant Thai government organizations to determine human resource development policies and strategies regarding the implementation of a training curriculum for FDC staff. Applying research to practice, FDC staff have the key roles to assist and support families to be good at parenting. To promote family services provided by staff, self-efficacy should be enhanced and further targeted training should be developed to encourage motivated and positive working attitudes.

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