Registered Nurses perception on Continuing Nursing Education

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ABSTRACT

This study aimed to investigate the registered nurses' perception towards Continuing Nursing Education (CNE). A cross sectional descriptive survey design and stratified sampling was utilized to select 77 participants who have at least 1-year hospital experience, currently employed in both public and private hospitals within Pampanga, and must be Registered Nurse. Frequency distribution was used to present the distribution of the socio-demographic participant's previous involvement on CNE, motivating factors and hindering factors in pursuing CNE. For the result, it is heartening to see that most participants were voluntarily participating in CNE even though it was self-financed. Most of them reported increasing qualifications for promotion as their major motivating factors while high course fees, limited time, and unavailability of preferred courses as hindering factor. As education and training are important pedagogy in providing quality care, World Health Organization placed importance on the need for strategic planning with regard to continuing nursing education for nurses.

Introduction

Whether CNE should be mandatory, has been debated hotly in many countries for the past few decades. In China, they mandated the healthcare professionals to actively participate in CNE. This was based on the assumptions that their nurses will not participate in CNE without pressure or external influence from the government. The government believed that the obsolete or outdated nursing knowledge and skills has

an impact on health care delivery to patient and could lead to poor health outcome (Agyepong & Okyere, 2018; Houston, 2013). World Health Organization stated that the performance of health care system will ultimately depend on the knowledge and skills of the individuals behind the health care delivery. Every nurse should update their knowledge and skills, and must not confine themselves to a restricted body of information. Failure to do so, may lead to medication error, poor patient outcomes,

patient's longer hospital stay, and increase in patient morbidity and mortality (Mayes & Schott-Baer, 2010).

In addition, it was argued that nursing knowledge acquired through Continuing Nursing Education (CNE) was valid only for about two to five years. By end of that period, the knowledge and skills acquired if not updated, will become obsolete, outdated, and not relevant to meet the current health needs of the society (Agyepong & Okyere, 2018; Houston, 2013). Because of this, country such as, Australia and United States, have enacted legislation requiring the healthcare professionals to obtain specific CNE units in order to renew their license. For them, obtaining specific CNE units prior to license renewal is a justifiable means of assurance certifying their health care worker's professional competence maintained (Eustace, 2011). Philippines, on the other hand, also recently enacted the Republic Act 10912 (Continuing Professional Development [CPD] of 2016), requiring all professionals, including nurses, to comply with CPD unit requirements to renew their Professional Identification Cards (PIC). Nurses must obtain 45 CPD units (15 units of CPD a year) in the 3-years renewal period.

According to WHO, healthcare workers are one of the most indispensable components in health care system. Nurses, as a healthcare worker, are required to be competent, knowledgeable, skilled, and able to communicate with patients and family members. As education and training are important pedagogy in providing quality care, WHO placed importance on the need for strategic planning with regard to continuing nursing education for nurses (WHO, 2015).

Nurse's Accountability and Responsibility

Globally, it is estimated that, 1 out of 300 patients may be at risk or harm. The number of patients harmed during their

hospitalization is also estimated to be 10% (1 out of 10). There is a range of medical errors that cause patients' risk and harm. If this medical error occurs, it can lead to longer hospitalization, severe conditions such as disability and health-related infection, additional healthcare costs and legal action. Errors in medical fields are the leading cause of death. Nevertheless, medical errors can be canceled and can be achieved by improving patient safety in all aspects (Ammouri, Tailakh, Muliira, Geethakrishnan, & Kindi, 2015).

Knowledge is an important concept wherein nurses need to remain aware of and keep up to date with new trend and advancement in nursing. Nurses are liable both professionally and legally for their nursing practice, that is, being accountable for every decision they made. Responsibility and accountability are the foundation of the nursing profession, and are constituted as key components in the scope of nursing professional ethics and conduct. Accountability cannot be attain unless the nurse has independence to practice. Autonomy denotes to a nurse capability to make some judgement in their practice and to act as confirming to the shared nursing profession standard (Groen & Kwalilak, 2014).

The context of nurse being employed was strongly related to participation on CNE. Being a nurse, means that it is not just thinking about the skills they needed, but also the desire to pursue CNE through formal or informal education, with the acquisition of new knowledge and skills. Employers need to encourage their health care staff to pursue CNE to address the health needs of the society. Nurses, as a healthcare provider, are expected to assume a lifetime commitment to update their knowledge and skills to cope with the rapid influx of new trends in patient care, and changes in science and technology. Nurses has the right to anticipate the provision of CNE opportunities, while

employer must expect them to exhibit the highest possible patient care (Fitzgerald, Kantrowitz-Gordon, Katz, & Hirsch, 2012).

Growth and Development of the Nursing Profession

Graduation from a school or college of nursing marks only the beginning of a lifelong process of enriching one's knowledge, skills, and attitude. CNE is frequently defined as the series and planned educational activities to help professional nurses keep abreast of their fields and remain updated with the latest knowledge, skills, new technologies, and new development required for their practice so they don't lag behind. It also aimed to strengthen nursing practice, research, education, and administration to improve quality patient care outcome (Hospital Safety Promotion & Disaster Preparedness, 2015).

CNE is defined as an important element on professional development in which the nurses keep updates in new trend in practice and helps to prevent knowledge and skills obsolescence (Groen & Kwalilak, 2014). CNE includes series of planned and ongoing learning activities wherein workshops, conferences or seminars will be utilized to help professional nurses to stay abreast with latest trends in nursing care and provide a venue for professional development and empowerment.

Participation in nursing continuing education is claimed to be directly associated with a high-quality nursing care, higher productivity, better performance, less medication errors, and increase job satisfaction (Agyepong & Okyere, 2018). In addition, CNE provides nurses an opportunity to have multiple career options, some of them may pursue nursing management or nursing research (Ellis & Hartley, 2012).

Motivation for Continuing Professional Development

Pursuing requires motivation. Motivation is a concept that defines both extrinsic conditions (external factors) and intrinsic responses (the inner drives) that stimulate the person to demonstrate a certain behavior. Each person has different motivating needs. For example, a nurse who undertakes a CNE is motivated to satisfy the desire to be appreciated or to boost self-esteem. Some are motivated because achieving additional credentials will provide them an additional qualification for the desired position. Some nurse manager is motivated to pursue CNE because they want to understand their staffs' needs, stressors, motivators and job satisfiers. Because for them, a job that satisfies their staff would lead to improved patient outcomes and achieve institutional goals (Ammouri et al., 2015).

Groen and Kawalilak (2014) added that some individual's motivation to partake CNE was rooted from a desire to be challenged professionally and academically. This inner desire was associated to a personal need to learn more and an opportunity to new professional developments

Barriers to Continuing Formal Education

It is argued that the intensification of professional knowledge. earning credentials. profession advancement. enhanced social interactions and relieve from work routine are some of the impetus why nurses embraced CNE. However, barriers such as staff shortages, lack of funding or sponsorship, abscence of a supportive work environment or superiors, family commitments, lack of administrative staff development plans for their staff and absence of opportunities for promotion were seen as hindering factors to pursue CNE (Eustace, 2011).

The soaring cost of continuing education has disheartened many healthcare staff from pursuing. Kovner and colleagues (2012) identified financial capability as the major consideration when pursuing nursing continuing education. The authors argued that an individual may pursue continuing education if he/she has extra financial sources (e.g. working overtime voluntarily or look another job). In addition, Gorcyzca (2013) asserted that even though most of the nurses have inclined to participate in nursing continuing education, lack of financial resources, a desire for education leave with pay may hinder their desire to pursue continuing nursing education.

Framework of the Study

Knowles' adult learning theory was selected to guide the study. Malcolm Knowles proposed that adults and children learn differently. Adult learner viewed learning, as not only reception of transmitted content, but to be a process of self-directed inquiry (active inquiry). In order for learning to be effective, Knowles outlines the core principles in promoting optimal learning for adults: learners need to know why they should learn something; a need for self-directed inquiry, prior experience; adult readiness to learn; a task-centered or problem-centered orientation to learning; and adults are determining to learn by both intrinsic and extrinsic motivators.

As stated earlier, motivation, a concept that define both extrinsic conditions (external factors) and intrinsic responses (the inner drives), stimulates the person pursue CNE. Each person has different motivating needs. Adult Learning Theory proposed that adult learners need to be in control of their own learning. Optimal learning for adult must be accessible,

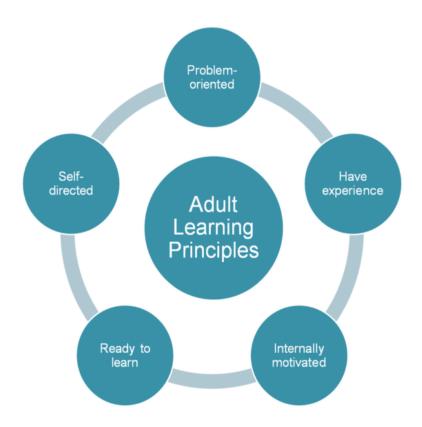


Figure 1: Knowles' adult learning theory

learner-centered, and accommodate their needs (Fitzgerald, Kantrowitz-Gordon, Katz, & Hirsch, 2012).

Maintaining staff professional development is challenging in today's busy healthcare environment. The first step to formulating CNE is to identify the learners' need, prior experience to CNE, adult readiness to learn, and some intrinsic and extrinsic motivators and challenges on the participation of CNE.

Therefore, this study aimed to investigate the perception of registered nurse with regards to Continuing Nursing Education in terms of previous involvement on CNE, plans to pursue CNE, preferred learning methods, preferred topics, motivating factors, hindering factors, and factors to be taken into account prior to enrolling in CNE (Eustace, 2011).

This study aimed to investigate the registered nurses' perception towards CNE. Specifically, it seeks to answer the following questions:

- How are their previous involvement in continuing nursing education described in terms of:
 - 1.1. types of CNE activities involved with;
 - 1.2. study mode of the courses; and
 - 1.3. tuition fee/registration fee paid for the course?
- 2. What are the general demands and expectations for future CNE in terms of:
 - 2.1. Plan for CNE
 - 2.2. Qualification planned to acquire

- 2.3. Most important motivating factor for education
- 2.4. Preferred location where courses conducted
- 2.5. Preferred Learning methods
- 2.6. Most preferred aspects for which courses concerned
- 2.7. Least preferred aspects for which courses concerned
- 2.8. Direction in career ladder intended for the future
- 3. What are the facilitating and hindering factors associated with voluntary participation in CNE?

Methodology

Research Design

A cross sectional descriptive survey design was utilized to investigate the registered nurses' perception towards CNE.

Setting and Participants

Stratified sampling was used to select 77 participants who have at least a year's hospital experience, currently employed in both public and private hospitals within Pampanga, and must be a Registered Nurse. Their ages ranged from 21-29 years. Sixtyone participants (79.3%) were between 23 and 26 years of age. A majority of the participants were female (56 of 77; 72.7%) and most of the participants were single (70 of 77; 90.9%). More than half of the participants had two to three years nursing experience (83.2%).

Table 1Demographic Characteristics of Registered Nurses in Pampanga

Characteristics	Frequency	Percentage
Age		
21	3	3.9
22	1	1.3
23	19	24.7
24	18	23.4
25	11	14.3
26	13	16.9
27	2	2.6
28	7	9.1
29	3	3.9
Gender		
Male	21	27.3
Female	56	72.7
Civil Status		
Single	70	90.9
Married	7	9.1
Educational		
Attainment		
BSN	74	96.1
MA/MS units	3	3.9
Years of Nursing		
Experience		
1	3	3.9
2	36	46.8
3	28	36.4
4	6	7.8
5	4	5.2

Instruments

The questionnaire consists of questions regarding registered nurses' perception towards CNE. The questionnaire was divided into four sections: 1) socio- demographic data of the participants; 2) detail of previous participation on CNE; 3) general expectation and demand future CNE; and 4) hindering and facilitating factors associated with voluntary participation in CNE). A pilot test of the questionnaire was executed wherein 20 participants of same demographic profile were asked to review the instruments for clarity, completeness and relevance.

Consequently, the researcher sought an expert review from three expert professionals in the field of nursing education. These panel of experts (who at least have five years on

teaching experience, one currently holds a position in a nursing school in Pampanga and one holds a managerial position in research department) to review the instruments. The instruments were distributed to expert professionals along with the directions for rating, providing comments and timeline to return the answered survey to assess each item for readability, clarity, relevance and comprehensiveness.

Data Collection

An informed consent was secured from the study participants explaining the nature of the study, including the potential risks and benefits that were associated while taking part in this study, as well as their rights to refuse and/or withdraw any time in this study was given. The participants were then asked to complete demographic data, detail of previous participation on CNE, their future plan for pursuing CNE, and some hindering and facilitating factors associated with voluntary participation in CNE.

Data Analysis

The Statistical Package for Social Science (SPSS) Version 21 was used. Frequency distribution was used to present the distribution of the participant's demographic profile and questions regarding on participants' involvement on CNE.

Ethical Considerations

An individual informed consent has been secured from the study participants. The researcher explained in details the nature of the study, including the potential risks and benefits in taking part in this study, as well as their right to refuse and/or withdraw any time in this study. Moreover, the participants assured that no identifying information will be reported in any section of this study.

Results and Discussions

World Health Organization stated that the performance of health care system will ultimately depend on the knowledge and skills of the individuals behind the health care delivery. Every nurse should update their knowledge and skills, and must not confine themselves to a restricted body of information. Failure to do so, may lead to medication error, poor patient outcomes, patient's longer hospital stay, and increase in patient morbidity and mortality. Therefore, this study aimed to investigate the registered nurses' perception towards Continuing Nursing Education (CNE) specifically their future plan for pursuing CNE, and some hindering and facilitating factors associated with voluntary participation in CNE.

Moreover, this section offers a summary of the research findings and analysis. Table 2 showed the participant's previous involvement on continuing nursing education. Table 3 showed some most common general plan and expectation for Future CNE. Table 4 showed some facilitating and hindering reported by the participants with regard to their future CNE.

Previous Involvement of CNE

Table 2 shows the participant's previous involvement on continuing nursing education. A majority of participants had taken continuing nursing education after registration. It is interesting that most of the participants participated in seminar workshops (35.8%), conferences (5.7%), inservice training (22%), certificate courses (30.9%), and degree courses (5.7%). These CNE activities were undertaken mainly on a part time basis (67.5%) and were mostly self-financed (92.2%).

Table 2Details of Previous Involvement in Continuing Nursing Education (CNE)

Categories	Frequency	Percentage
Types of CNE		
activities in the		
past 3 years		
Seminar	44	35.8
workshops		
Conferences	7	5.7
In-service training	27	22
Certificate courses	38	30.9
Degree courses	7	5.7
Study mode of		
the courses		
Part time	52	67.5
Full time	25	32.5
Tuition fee paid		
for the courses		
(Part time)		
Self-financed	71	92.2
Sponsored by	6	7.8
employers or		
others		

Table 3General Demand and Expectation for Future CNE

Categories	Frequency	Percentage
Plan for CNE		
1 1411 101 0112	27	30
No such plan		
Plan to further	50	70
study		
Qualification		
planned to acquire		
Any CNE certificate	64	83.1
courses		
Master's degree	11	14.3
Doctoral degree	2	2.6
Most important		
motivating factor		
for education		
Personal interest	16	20.8
Increasing	30	39
qualifications		
Job promotion	22	28.6
Pre-requisite for	6	7.8
license renewal		
Cheap course fee	3	3.9

Preferred location		
where courses		
conducted		
On-campus	28	36.4
(university)		
Distance learning	18	23.4
At hospital	31	40.3
Learning methods		
preferred		
Lecture	40	51.9
Small group tutorial	13	16.9
Problem-based	20	26
group learning		
Online	4	5.2
Most preferred		
aspects for which		
courses concerned		
General knowledge	42	54.5
Nursing	14	18.2
Specialization		
General skill	6	7.8
Nursing	9	11.7
Specialization skill		
Nursing	6	7.8
administration or		
management		
Direction in career		
ladder intended for		
the future		
Nursing	20	26
administration and		
management		
Nursing education	10	13
Nursing research	6	7.8
Clinical nursing	21	27.3
(general)		
Clinical nursing	6	7.8
(specialty)		
Health education	14	18.2
and promotion		

General Demand and Expectation for Future CNE

It is heartening to see that most participants are planning to pursue CNE even though it was self-financed (70%). Majority of the participants (83.1%) planned to pursue a certificate courses rather than enrolling graduate program (16.9). Most of the participants listed increasing qualifications (39%), job promotion (28.6%) and personal interest (20.8%) as the major motivating factors associated with voluntary participation on CNE (see Table 3).

Groen and Kawalilak (2014) In fact, some individual's motivation to partake CNE was rooted from a desire to be challenged professionally and academically. This inner desire was associated to personal need to learn more and an opportunity to new professional developments.

Most participants preferred their learning to take place at the hospital (40.3%) rather than on-campus or university (36.4%) or through distance learning (23.4%). This finding reflect Richards' and Potgieter's (2010) statement that nursing managers should have concreted staff development plan, funds for CNE, special consideration that pertains to the granting of study leave, and a supportive working environment with regards to CNE. CNE will help the professional nurses keep abreast on the latest trend on nursing practice. It will help to decrease the medication error, improve the patient outcomes, shorten hospital stay, and decrease patient morbidity and mortality (Mayes & Schott-Baer, 2010).

Moreover, most participants preferred lecture (51.9%) as a learning mode. Most of the participants prefer a course that would update their general knowledge (54.5%), nursing specialization (18.2), and nursing specialization skill (11.7%). Most of the participants intended to pursue a career track in clinical nursing (27.3%), nursing administration and management (26%) and health education and promotion (18.2%). The findings reflect Knowles' adult learning theory that adult need to for self-directed inquiry and a task-centered or problemcentered orientation to learning. CNE provides nurses an opportunity to have multiple career options, which they may pursue such as nursing management or nursing research (Ellis & Hartley, 2012).

Facilitating and Hindering Factors Associated with Voluntary Participation in CNE

As reflected in Table 4, most participants listed course content (100%), course fee (93.5)%, location (94.8%), teaching and learning mode (85.7%), assessment mode (88.3%), and duration (76.6%) as the most important factors to be taken into account prior to enrolling a course. Consequently, they listed high course fees (87%), limited time (80.5%), unavailability of courses (76.6%), not applicable or not-related to current work (75.3%), difficulty in requesting duty (67.5%), and family care burden (64.9%) as the major hindering factors in enrolling CNE.

The soaring cost of continuing education has disheartened many nurses from pursuing CNE. In fact, Gorcyzca (2013) argued that, even nurses are inclined to participate CNE, lack of financial resources or absence of sponsorship, may hinder the nurses to pursue continuing education. In addition, Richards and Potgieter (2010) listed lack of funding, work responsibilities, absence of granting study leave, family responsibilities, lack of coherent staff development plan by the hospitals institution, lack of a supportive work environment, and lack of opportunities for promotion as identified as one of the barriers of nurses to engage in CNE.

Previous research has revealed a range of factors that have discouraged nurses from undertaking further education. These included financial status, tuition cost, work responsibility, family commitments, lack of information, time, and inappropriate for or unrelated to the current work environment or setting. This study has identified similar hindering factors associated with continuing education, including soaring tuition fees, limited time, unavailability of favorable nursing course, not applicable or unrelated to current work, difficulty in requesting duty, and family care

Table 4Facilitating and Hindering of nurses participation in CNE

11		
Categories	Frequency	Percentage
Essential factor		
Course fee	72	93.5
Duration	59	76.6
Location	73	94.8
Course content	77	100
Qualification of	54	70.1
teaching staff		
Teaching and	66	85.7
learning mode		
Assessment	68	88.3
mode		
*** 1		
Hindering factor	68	0.7
High course fees	67	87
Limited time	62	80.5
Difficulty in	52	67.5
requesting duty	F 0	640
Family care	50	64.9
burden	5 0	5 66
Unavailability of	59	76.6
course you like	=0	== 0
Not applicable or	58	75.3
related to current		
work		
No relevance to	44	57.1
promotion	20	25.5
No interest in	29	37.7
CNE		

burden (Kovner, Brewer, Katigbak, Djukic, & Fatehi, 2012).

Since participation in continuing education was self-financed, it is not surprising that more than 80% of the participants recognize course fees as the major factor deterring nurses from participation in continuing education. This is consistent with findings from previous articles, concluding that financial aspects were often deemed to be the main predictor participation in continuing nurse education. This finding is further supported in this study because most of the participants planned to enroll in certificate courses, which were expected to cost less, whereas only approximately 20% of the participants were thinking of a master's degree and doctoral degree, which is much costlier.

However, because many reported that they participated in CNE to improve their qualification status and job promotion needs, it is possible that cost may not be such an influential factor. relationship between The individual participation and cost in CNE may be worth for further study. The continuing professional education of the healthcare staff is not exclusively the accountability and responsibility of both employing authority or healthcare staff (Fitzgerald, Kantrowitz-Gordon, Katz, and Hirsch, 2012).

Conclusion

Most of the studies conducted in CNE context has been focused on nurses' approaches, perception, and attitudes toward CNE; the effect of CNE on nurses' professional competencies; need assessment on continuing education; provision of continuing education models; and barriers or challenges on the participation of CNE. This study aimed to investigate the registered nurses' perception towards CNE specifically on what are their general plans and expectation if they are planning to pursue CNE and what are the facilitating and hindering factors associated with voluntary participation in CNE?

Based on the findings, the following recommendations are made. Hospitals administrators should create a culture of valuing CNE and emphasized the need for nurse manager to act as role models on their staff. Nurses need to be motivated to participate CNE in a supportive environment through flexible work schedules, granted study leave with pay, sponsored CNE, concrete staff development, the availability of nurse managerial positions, and opportunities for promotion.

Nurse managers and nurse educators should be aware of the need for flexible work schedules to accommodate potential learners. The in-service staff development program should be based on the need assessment to determine which area of nursing practice need to improve. To address the issue on CNE, both administration and staff should share responsibility for the careers of employees. The CNE will be more likely successful if nurses are involved in career planning and management. Nurse managers should seek nursing staff's recommendation on the possible program to be conduct.

Based on the findings, the researcher recommends that the hospitals, Philippine Nurses Association, Commission on Higher Education and other nursing groups or organizations should review their mandatory policy for nurses to participate in continuing professional development that are in line with the nurses' needs and expectations to further improve their job performance. Nurses should continue to explore ways to protect public interest in relation to the practice of nursing.

Recommendations

The instrument aimed at investigating the perception of registered nurse with regards to previous involvement on CNE, plans to pursue CNE, preferred learning methods, preferred topics, motivating factors, hindering factors, and factors to be considered prior to enrolling in CNE. Given that one of the study limitation is the use of self-report measures, which may contain inherent limitation due to researcher's reliance on self-appraisal. Some factors of importance in analyzing continuing education behaviors may have been missed. Therefore, future study may also need to measure those subjective traits using qualitative methods such as focus group interview or learning need assessment survey.

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