

Assessing the Hospital Nurse Managers' Competencies in Saudi Arabia

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AIM: The purpose of this research is to assess the competencies of the nurse managers from different hospital units in a university tertiary hospital in Saudi Arabia.

BACKGROUND: Nurses are among the largest and most critical constituents in the health systems. It is essential that they manage and are managed to guarantee sustainable and efficient delivery of health care. Recent literatures showed that nurses appear to be significantly more dissatisfied with their work and their managers raises questions about a potential gap in nursing leadership and management.

METHODS: The study utilized cross-sectional approach to determine the competencies of nurse managers using Chase Nurse Manager Competency Instrument. Sixty-five nurses in managerial positions were conveniently selected. Aside from managerial positions, the respondents are licensed nurses and have at least 1-year clinical experience in their recent assigned units. Data analysis was performed using Statistical Package for Social Science version 23.0.

RESULTS: The respondents as considered 52 out of 53 knowledge competencies as contributing significantly to effectiveness for nurse manager competence. Only Financial resource procurement registered a value of 2.95. As for the ability to implement and use competencies, only three competencies: cost benefit analysis (2.97), operational and capital budget forecasting and generation (2.85), and financial resource procurement (2.85) registered values less than 3. The other fifty competencies are considered by the respondents to contribute significantly to an effective nurse manager.

CONCLUSION: To be effective nurse managers, they should be knowledgeable and equipped with following skills: collaboration, communication, staffing, decision-making, and delegation. However, financial resource procurement demonstrates a moderate contribution to effective nurse manager unlike the other competencies which demonstrates high contribution for effectiveness of nursing manager competency. Implications for nursing management: healthcare organizations can use the study results to ensure that all nursing managers have the necessary skills for effective nurse manager to achieve healthy working environment and deliver safe and high quality care for their patients.

Key Words: Nurse Managers; Competencies; Hospital; Saudi Arabia

INTRODUCTION

The government of Saudi Arabia has given high priority to the development of health care services at all levels: primary, secondary and tertiary. As a consequence, the health of the Saudi population has greatly improved in recent decades. However, a number of issues pose challenges to the health care system, such a shortage of Saudi health professionals, the health ministry's multiple roles, limited financial resources, changing patterns of disease, high demand resulting from free services, an absence of a national crisis management policy, poor accessibility to some health care facilities, lack of a national health information system, and the underutilization of the potential of electronic health strategies [1-3].

The nursing profession in Saudi Arabia is also diverse. Staff nurses in KSA are used to toil in a multi-cultural working environment that required them to be culturally aware, sensitive and knowledgeable. Even with the current percent of the national nurses 52%, based on MOH (2015), so still the shortage of nurses in Saudi lead to recruiting nurses from different parts of the world. The recruitment has become a traditional which continues to make the kingdom diverse.

"The changes in health and social environment during the past two decades have led to the increased importance of management in the healthcare sector, regardless of whether it is predominantly tax, social insurance, or market based" [4]. Nurse Managers provide the vital link between the administrative strategic plan and the point of care. The nurse manager is responsible for creating safe, healthy environments that support the work of the health care team and contribute to patient engagement. The role is influential in creating a professional environment and fostering a culture where interdisciplinary team members are able to contribute to optimal patient outcomes and grow professionally [5]. To have a good quality for medical services, the healthcare organizations should recruit and develop competent managers [6]. "Head nurses' performance plays an important role in the successful operation of hospitals. Identification and prioritization of managerial competencies required for these supervisors and evaluation of their performance on this basis are necessary" [7]. All managers, irrespective of where or what they manage, need to develop several competencies that will enable them to effectively perform the 4 generic functions of planning, organizing, leading and controlling [8-10]. The field of health care management however, poses

unique challenges as managers are expected to integrate modern business management practices with clinical and healthcare knowledge. "Competent manager facilitates the implementation of health care reforms, through ensuring staff participation and managing complex change" [11].

Professional nursing managers can positively influence the quality of care for patients and the peace of mind for staff members. By applying effective management concepts, nurses can play a role in ensuing health care is safe, effective, equitable, efficient, patient-focused and timely. To be an effective nurse manager, nurses must master business skills, in addition to their clinical abilities, that include effective communication, negotiation and conflict resolution, resource management and team-building [12-14].

Nurse manager workplace demands include increasing numbers of direct reports, decreased resources, decreased clinical involvement, increased staff diversity, increased coordination across differing nursing units, issues with assistive personnel, changing regulatory requirements, and the need for new management skills coupled with the increasing complexity of hospitalized patients. The time consuming demands of staffing, however, have been reported to be the manager's greatest challenge, precluding ability to be visible, build relationships with staff, and allow time to engage in those activities directly related to constructing a committed, retained staff [15].

Nurses are among the largest population in the health systems, thus it is essential that they manage and are managed to maintain quality delivery of health care. Recently, nurses appear to be significantly more dissatisfied with their work and their managers raises questions about a potential gap in their capacity to manage the system. The issue aggravates as cultural diversity affects communication, behaviour and policy implementation among. Saudi Arabia, with diverse health care workers, needs assessment studies among foreign nurses which will be useful where national health systems are attempting to bridge the gap between the diversity of culture in the health care system. Hence, this new research aims to assess the nurse manager competencies among nurse managers in the government hospitals of Saudi Arabia. The findings will serve as basis in enhancing efficiency and effectiveness in the delivery of health care, by assessing management proficiency as part of an overall management development process among nurses especially with the expatriates [16-18].

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AIMS

The purpose of this present study was to determine the competency of the nurse managers in KSA. Specifically, the study aims to:

1. Assess the nurse managers' competencies on technical, human, conceptual, leadership, and financial management skills.
2. Determine the demographic profile, educational background and professional experiences as nurse manager.

METHODS

Research design

The study followed the cross sectional descriptive approach.

Sampling and setting

The study carried out convenience sampling using G power analysis for the determination of the sample size. Different units in the selected hospital served as the research settings of the study.

Data collection

A survey approach was used in this study. Accessing different units/ wards in the selected hospital in Riyadh KSA where nurse managers were working was performed by the researchers. The respondents were oriented with their right to withdraw from the study. Also they were requested to voluntarily complete the questionnaires. Recruitment was done with the approval from the nursing director's office.

Criteria

The respondents must hold a managerial position as either nurse manager or head nurse, licensed to practice nursing and with clinical experience not less than a year in their assigned units. The nurse manager was defined as a unit-based nursing leader who is responsible for day-to-day operations of at least one inpatient area. This population was chosen because of the importance of eliciting information and perceptions from individuals who are currently active in their managerial role. The nurse managers were viewed as a reliable source self-perceptions regarding competencies necessary to effective managerial role.

Instruments

The Chase (1994) Nurse Manager Competency Instrument includes two parts. The first part consists of a competency rating scale developed by the investigator. (Appendix E) The methodology of the questionnaire development included an extensive literature review to identify and create competency statements. Instructions for the instrument direct respondents to select the corresponding rating based on their opinion to the importance rating of each competency statement. A Likert scale indicates the level of competency rating on a 1-4 scale for both knowledge and ability importance levels, 4=essential for first-line nurse manager, 3=contributes significantly, 2=contributes moderately, 1=contributes minimally. The second part of the instrument is composed of demographic questions. These questions are an important part of the questionnaire because they are the method of collecting data regarding the extraneous variables (covariates) that may impact the ratings. Organizational variables included hospital size, Magnet status and span of control. Individual variables consist of gender, age, education, years of RN practice, tenure in management and tenure in current position.

Statistical analysis

Statistical Package for Social Science (SPSS) ver. 21 was utilized for data analysis.

Ethical considerations

Ethical clearance was obtained from the Institutional Review Board (IRB). The respondents were requested to sign the informed consent which indicates their voluntary will to participate.

RESULTS

There were 65 respondents who signed up for this study (Table 1). Of this number of respondents, 43.1% belonged to the 35 to 44 age cohort. The remaining 46.2% were from the 45 and above age group. Majority of these had experiences handling management positions for 1 to 2 years (63.0%). All of them said they had been into management position for sometimes. In terms of educational attainment, 72.3% of the respondents have earned their master's degree. About seventeen percent of them are graduates of diploma

courses. Majority (89.2%) are females who have accreditation on CIBAH, JCI, and Canadian. These nurses are working mostly in three units, namely Medicine (24.6%), Out-patient Department (18.5%), Surgery (16.9%), and Maternal or Paediatric Units (16.9%). In terms of work experience, 73.8% of them have been with the health care industry for more than 10 years. Twenty-five percent of them have worked only for 1 to 4 years. Forty-four percent have supervisory control over 25 to 49 Full Time Employees (FTEs). Twenty-four percent have supervisory control of less than 24 FTEs.

There were a total of 106 competencies evaluated in this study. Of these, the respondents as considered 52 out of 53 knowledge competencies as contributing significantly to effectiveness for nurse manager competence. These are competencies that garnered mean ratings greater than or equal to 3.0. Only Financial resource procurement registered a value of 2.95, which is considered as contributing moderately to effectiveness for nurse manager competence. As for the ability to implement and use competencies, only

TABLE 1
Demographic information (n=65).

Demographic Variables	Response	n	%
Age	>25 yrs	0	0
	25-34	7	10.8
	35-44	28	43.1
	45-54	15	23.1
	55 or more	15	23.1
Duration of Management Position	1 to 2	41	63
	3 to 4	11	16.9
	5 to 9	3	4.6
	10 or more	10	15.4
Educational Attainment	Associate	0	0
	Diploma	11	16.9
	BS	7	10.8
	Masters	47	72.3
Gender	Doctorate	0	0
	Male	7	10.8
Accreditation	Female	58	89.2
	CIBAH	65	100
Unit	JCI	65	100
	CANADIAN	65	100
	MAGNET	0	0
	Others	0	0
	Surgery	11	16.9
	Medicine	16	24.6
	OPD	12	18.5
	Emergency	4	6.2
	ICU	4	6.2
	OR/PACU	4	6.2
Years of Experience as nurse	Onco	0	0
	Maternal/Pedia	11	16.9
	Psychiatry	3	4.6
	> 1 yrs.	0	0
	1 to 2	8	12.3
FTE	3 to 4	8	12.3
	5to 9	1	1.5
	10 or more	48	73.8
	> 24hrs	16	24.6
	25-49	29	44.6
FTE	50-74	6	9.2
	75-99	0	0
	100 or more	14	21.5

three competencies, namely, cost benefit analysis (2.97), operational and capital budget forecasting and generation (2.85), and financial resource procurement (2.85) registered values less than 3. This means that the other fifty competencies are considered by the respondents to contribute significantly to an effective nurse manager (Tables 2 and 3).

Almost all of the competencies in both knowledge and ability to implement

and use aspects garnered frequency of “4” ratings above 40, especially on the technical and human side of it. The category that registered the lowest number of “4” ratings were attributed to the financial management competencies (Tables 4 and 5).

When evaluated based on which categories competencies with higher ratings come from, it was shown that the top 10 belong to the leadership, technical

TABLE 2
Competency statement ratings.

S. No.		Knowledge and Understanding of					Ability to Implement and/or Use				
		N	Range	Mean	SD	Rank	N	Range	Mean	SD	Rank
Technical											
1	Nursing practice standards	65	2	3.78	0.45	12	65	1	3.85	0.36	18
2	Nursing care delivery systems	65	2	3.82	0.46	9	65	3	3.86	0.46	10
3	Nursing care planning	65	1	3.83	0.38	8	65	3	3.75	0.53	39
4	Clinical skills	65	2	3.86	0.39	5	65	3	3.88	0.45	7
5	Patient acuity systems	65	3	3.91	0.42	2	65	3	3.92	0.41	3
6	Infection control practices	65	5	3.82	0.68	10	65	1	3.85	0.36	17
7	Research and evidence-based practice	65	3	3.57	0.59	40	65	1	3.80	0.40	30
8	New technology	65	3	3.62	0.63	33	65	2	3.78	0.52	33
9	Case management	65	3	3.58	0.68	38	65	1	3.80	0.40	29
10	Information Systems and Computers	65	3	3.60	0.58	35	65	1	3.78	0.41	34
11	Regulatory Agency Standards	65	3	3.65	0.65	26	65	1	3.77	0.43	37
Human											
12	Effective communication	65	3	3.91	0.42	3	65	1	3.97	0.17	1
13	Effective staffing strategies	65	3	3.89	0.44	4	65	1	3.86	0.35	9
14	Recruitment strategies	65	3	3.49	0.75	45	65	2	3.62	0.63	46
15	Retention strategies	65	3	3.54	0.66	42	65	2	3.82	0.43	25
16	Effective discipline	65	3	3.80	0.57	11	65	1	3.86	0.35	11
17	Effective counseling strategies	65	3	3.78	0.57	13	65	1	3.86	0.35	12
18	Constructive performance evaluation	65	3	3.86	0.50	6	65	1	3.85	0.36	16
19	Staff development strategies	65	3	3.85	0.48	7	65	2	3.83	0.42	21
20	Group Process	65	3	3.65	0.57	27	64	1	3.81	0.39	26
21	Interviewing techniques	65	3	3.52	0.62	43	65	1	3.77	0.43	38
22	Team-building strategies	65	3	3.69	0.56	21	65	1	3.83	0.38	22
23	Humor	65	3	3.62	0.63	34	65	2	3.69	0.58	44
24	Optimism	65	3	3.68	0.56	23	65	1	3.78	0.41	31
Conceptual											
25	Nursing theories	65	3	3.72	0.63	14	65	3	3.77	0.52	36
26	Administrative/ organizational theories	65	3	3.71	0.63	18	65	2	3.80	0.44	27
27	Strategic planning/ Goal development	65	3	3.60	0.66	36	65	1	3.86	0.35	15
28	Ethical Principles	65	3	3.71	0.55	19	65	3	3.72	0.57	41
29	Teaching and learning theories	65	3	3.63	0.60	30	65	3	3.74	0.54	40
30	Political process and advocacy	65	3	3.48	0.66	46	65	3	3.65	0.62	45
31	Quality/process improvement	65	3	3.63	0.58	31	65	3	3.80	0.59	28
32	Legal issues	65	3	3.52	0.71	44	65	3	3.71	0.58	43
Leadership											
33	Decision making	65	4	3.98	0.63	1	65	1	3.89	0.31	4
34	Power and empowerment	65	3	3.65	0.60	28	65	1	3.78	0.41	32
35	Delegation	65	3	3.72	0.55	15	65	1	3.88	0.33	8

36	Change process	65	3	3.66	0.57	25	65	1	3.82	0.39	24
37	Conflict resolution	65	3	3.71	0.55	20	65	1	3.86	0.35	14
38	Problem-solving	65	3	3.72	0.55	16	65	1	3.86	0.35	13
39	Stress management	65	3	3.69	0.58	22	65	1	3.82	0.39	23
40	Research process	65	3	3.60	0.66	37	65	2	3.71	0.49	42
41	Motivational strategies	65	3	3.57	0.59	41	65	1	3.78	0.41	35
42	Organization of unit of work and workflow process	65	3	3.63	0.58	32	65	1	3.85	0.36	19
43	Policies and procedures	65	3	3.68	0.56	24	65	1	3.95	0.21	2
44	Staff education	65	3	3.65	0.57	29	65	1	3.89	0.31	6
45	Time management	65	3	3.72	0.55	17	65	1	3.89	0.31	5
46	Interdisciplinary care coordination	65	3	3.58	0.58	39	65	2	3.85	0.40	20
Financial Management											
47	Cost containment and cost avoidance practices	65	3	3.42	0.77	48	65	3	3.22	0.76	48
48	Productivity measurements	65	4	3.43	0.71	47	65	3	3.37	0.72	47
49	Operational and capital budget forecasting and generation	65	3	3.11	0.90	51	65	3	2.85	0.99	51
50	Cost benefit analysis	65	3	3.15	0.94	50	65	3	2.97	0.95	50
51	Unit budget control measures	65	3	3.23	0.98	49	65	3	3.02	0.98	49
52	Financial resource procurement	65	3	2.95	1.04	52	65	3	2.85	1.00	52

TABLE 3

Frequency of competency statement "4" ratings.

S. No		Knowledge and Understanding of		Ability to Implement and/or Use	
		N	Frequency of 4 Ratings	N	Frequency of 4 Ratings
Technical					
1	Nursing practice standards	65	52	65	55
2	Nursing care delivery systems	65	55	65	58
3	Nursing care planning	65	54	65	51
4	Clinical skills	65	57	65	59
5	Patient acuity systems	65	61	65	62
6	Infection control practices	65	53	65	55
7	Research and evidence-based practice	65	39	65	52
8	New technology	65	44	65	54
9	Case management	65	43	65	52
10	Information Systems and Computers	65	41	65	51
11	Regulatory Agency Standards	65	46	65	50
Human					
12	Effective communication	65	61	65	63
13	Effective staffing strategies	65	60	65	56
14	Recruitment strategies	65	40	65	45
15	Retention strategies	65	40	65	54
16	Effective discipline	65	56	65	56
17	Effective counseling strategies	65	55	65	56
18	Constructive performance evaluation	65	59	65	55
19	Staff development strategies	65	57	65	55
20	Group Process	65	44	64	52
21	Interviewing techniques	65	37	65	50
22	Team-building strategies	65	47	65	54
23	Humor	65	44	65	49
24	Optimism	65	46	65	49
Conceptual					
25	Nursing theories	65	51	65	52

26	Administrative/ organizational theories	65	50	65	53
27	Strategic planning/ Goal development	65	43	65	0
28	Ethical Principles	65	48	65	50
29	Teaching and learning theories	65	44	65	50
30	Political process and advocacy	65	36	65	46
31	Quality/process improvement	65	43	65	56
32	Legal issues	65	40	65	49
Leadership					
33	Decision making	65	48	65	58
34	Power and empowerment	65	45	65	51
35	Delegation	65	49	65	57
36	Change process	65	45	65	53
37	Conflict resolution	65	48	65	56
38	Problem-solving	65	49	65	56
39	Stress management	65	48	65	53
40	Research process	65	44	65	47
41	Motivational strategies	65	39	65	51
42	Organization of unit of work and workflow process	65	43	65	55
43	Policies and procedures	65	46	65	62
44	Staff education	65	44	65	58
45	Time management	65	49	65	58
46	Interdisciplinary care coordination	65	40	65	56
Financial Management					
47	Cost containment and cost avoidance practices	65	36	65	25
48	Productivity measurements	65	32	65	31
49	Operational and capital budget forecasting and generation	65	24	65	17
50	Cost benefit analysis	65	28	65	20
51	Unit budget control measures	65	33	65	23
52	Financial resource procurement	65	24	65	17
53	Financial resource monitoring	65	21	64	16

TABLE 4
Highest knowledge and understanding competency ratings.

Category	Competency Item	Mean	SD	Rank	# of "4" Ratings
Leadership	Decision making	3.98	0.63	1	48
Technical	Patient acuity systems	3.91	0.42	2	61
Human	Effective communication	3.91	0.42	3	61
Human	Effective staffing strategies	3.89	0.44	4	60
Technical	Clinical skills	3.86	0.39	5	57
Human	Constructive performance evaluation	3.86	0.50	6	59
Human	Staff development strategies	3.85	0.48	7	57
Technical	Nursing care planning	3.83	0.38	8	54
Technical	Nursing care delivery systems	3.82	0.46	9	55

and human categories. The highest competency that garnered the highest score is decision making (3.98), which received a total of 48 number "4" Likert score rating. This is followed by patient acuity systems (mean = 3.91; frequency of "4" ratings at 61) and effective communication (mean at 3.91; frequency of "4" ratings at 61) (Table 6).

For the knowledge aspect, the lowest ratings were attributed to some of the financial management competencies such as financial resource monitoring (2.83); financial resource procurement (2.95), and operation and capital budget forecasting and generation (3.11). These competencies received frequency of "4" ratings ranging from 21 to 24 (Table 7).

For the ability to implement and use, the competencies that received the lowest ratings were registered to financial management items. Top

three among the lowest ranking competencies include financial resource monitoring (2.81), financial resource procurement (2.85), and operational and capital budget forecasting and generation (2.85). These competencies received "4" ratings only within the narrow range of 16 to 17 (Tables 3-7).

DISCUSSION

In nursing, the quality of care will be positively affected by nursing managers. Effective nurse managers should promote their clinical skills and abilities including collaboration and communication [12]. This study aims to firstly assess the nurse managers' competencies on technical, human, conceptual, leadership, and financial management skills. Secondly, to determine the demographic profile, educational background and professional experiences as nurse manager. This study revealed that the participants considered 52 out

TABLE 5
Highest ability to implement and use competency ratings.

Category	Competency Item	Mean	SD	Rank	# of "4" Ratings
Human	Effective communication	3.97	0.17	1	63
Leadership	Policies and procedures	3.95	0.21	2	62
Technical	Patient acuity systems	3.92	0.41	3	62
Leadership	Decision making	3.89	0.31	4	58
Leadership	Time management	3.89	0.31	5	58
Leadership	Staff education	3.89	0.31	6	58
Technical	Clinical skills	3.88	0.45	7	59
Leadership	Delegation	3.88	0.33	8	57
Human	Effective staffing strategies	3.86	0.35	9	56
Technical	Nursing care delivery systems	3.86	0.46	10	58

TABLE 6
Lowest knowledge and understanding competency ratings.

Category	Competency Item	Mean	SD	Rank	# of "4" Ratings
Financial Management	Financial resource monitoring	2.83	1.07	53	21
Financial Management	Financial resource procurement	2.95	1.04	52	24
Financial Management	Operational and capital budget forecasting and generation	3.11	0.90	51	24
Financial Management	Cost benefit analysis	3.15	0.94	50	28
Financial Management	Unit budget control measures	3.23	0.98	49	33
Financial Management	Cost containment and cost avoidance practices	3.42	0.77	48	36
Financial Management	Productivity measurements	3.43	0.71	47	32
Conceptual	Political process and advocacy	3.48	0.66	46	36
Human	Recruitment strategies	3.49	0.75	45	40

TABLE 7
Lowest ability to implement and use competency ratings.

Category	Competency Item	Mean	SD	Rank	# of "4" Ratings
Financial Management	Financial resource monitoring	2.81	1.01	53	16
Financial Management	Financial resource procurement	2.85	1.00	52	17
Financial Management	Operational and capital budget forecasting and generation	2.85	0.99	51	17
Financial Management	Cost benefit analysis	2.97	0.95	50	20
Financial Management	Unit budget control measures	3.02	0.98	49	23
Financial Management	Cost containment and cost avoidance practices	3.22	0.76	48	25
Financial Management	Productivity measurements	3.37	0.72	47	31
Human	Recruitment strategies	3.62	0.63	46	45
Conceptual	Political process and advocacy	3.65	0.62	45	46
Human	Humor	3.69	0.58	44	49

of 53 knowledge competencies as contributing significantly to effectiveness for nurse manager competence. The findings of this study are similar to a study that was performed by Al-Maqbali [6], who revealed that knowledge competency received high score (17.43) as an important competency for an effective manager. Moreover, this study revealed high scores similar to those competencies in this study as the following: relationship and collaboration (16.57), staffing (21.43), communication (20.99), technical excellence (20.44), and evidence based practice (19.33) [6].

On the other hand, this study revealed that only financial resource procurement registered a value of 2.95 which means a moderate contribution to effectiveness of nursing manager competency. Those findings are slightly similar to another study that was done by Erjavec and Starc [4] to identify the competencies among nurse managers in Slovenia. The study revealed that managers with a higher management position were significantly more competent in financial management than managers with a lower management position ($p=0.002$). This demonstrates that financial management including financial resource procurement has a contribution to an effective nursing

manager competency. Moreover, Karathanasi et al. [19] added that nursing managers have roles that are related to the financial management that need more training to be an effective nurse manager.

This study reports high score in decision making competency as (3.98). Other competencies represent high scores as the following: planning (3.83), staff education (3.89), problem solving (3.72), communication (3.91), and team building (3.83). A study was performed by Moghaddam et al. [7] to assess the competencies of head nurses in nursing departments at hospitals. This study revealed that nurse managers had a positive attitude among change, communication, negotiation, planning, time management, staffing, staff education, and other competency factors. They all agreed that these competencies are essential factors to be effective nurse manager within the healthcare organizations to achieve the healthcare goals.

Regarding the ability to implement the competencies, only three competencies: Cost benefit analysis (2.97), operational and capital budget forecasting and generation (2.85), and financial resource procurement

(2.85) had values less than 3. A study was done by Munyewende et al. [11] to evaluate the competencies among nurse managers in primary health care at South Africa. They focused on six domains which are communication, leadership, and staff management, problem-solving, planning, and financial management. The study revealed that financial management had the lowest score in scale which was 6.56 [11].

This study has shown that the other fifty competencies are considered by the participants that they are contributing significantly to an effective nurse manager. Similar results have been found in an evaluation of the competencies of primary health care clinic nursing managers in two South African provinces [11]. High scores are represented for the following competencies communication (8.6), leadership (8.67), problem-solving (8.83), planning (8.6), and staff management (8.75). These competencies contributed to be an effective nurse manager [11]. In addition, Tongmuangtunyatep et al. [20] performed a scale to assess the competencies among the head nurses. They included five important factors which considered essential to be an effective nurse manager. These factors are management, policy implementation, leadership, professional ethics, and healthcare environment management [20].

CONCLUSION

Nursing managers directs and coordinates nursing faculty within the clinical settings. Nurse Managers collaborates with other medical staff to deliver high quality care. Nurse Managers should have several competencies such as technical and human to promote safe and good quality nursing care to the patients. To be effective nurse managers, they should be knowledgeable and equipped with following skills: collaboration, communication, staffing, decision-making, and delegation. However, financial resource procurement demonstrates a moderate contribution to effective nurse manager unlike the other competencies which demonstrates high contribution for effectiveness of nursing manager competency. It is recommended to offer training programs within the healthcare organization to ensure that all nursing managers have the necessary skills for effective nurse manager. Implications for nursing management: healthcare organizations can use the study results to ensure that all nursing managers have the necessary skills for effective nurse manager to achieve healthy working environment and deliver safe and high quality care for their patients.

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