



A SYSTEMATIC REVIEW ON EFFECTIVENESS OF BEHAVIOR CHANGE COMMUNICATION ON IMPROVING NURSING STAFF'S PERCEPTION OF WORKING WITH STUDENT NURSE.

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Abstract : Clinical experience is an important aspect of nursing education as it is the transformation of the theoretical knowledge into practice and the cornerstone of nursing as a health promotion. Theory and practice are effective when support given to students by the nursing staff in clinical setting, it also plays an important role in the achievement of learning objective. It was important to understand perception of staff nurse in order to provide behavior change communication to improve student nurse progression. By analyzing extensive range of studies it can be concluded that nursing student's clinical experience is affected by interpersonal relationship and support from clinical staff. In depth critical review suggest nursing staff's perception was positive toward students but with apprehension of their work disturbance in unit. Behavior change communication proves effective on improving health attitude in many developing countries.

Index Terms – behavior change communication, staff nurse, perception, student nurse

INTRODUCTION

Globalization and growing need of society will test the nursing workforce with variety of needs in next decade. Aging population, primary healthcare need, preventive services, pandemic incident remind the need of skilled, knowledge and practically competent staff nurse. Government of India had adopted to increase number of nursing college under national health mission 2022-23. Uttar Pradesh with most populous and dense state develops policy to improve quality of Nurse's education under MISSION NIRAMAY.

Quality of nursing education through improved coordination between college and clinical is major milestone. Nursing school and faculty are charged with educating nursing students to enter the workforce as competent and safe entry level nurses. According to **Chan (2002)**, "Clinical education is a vital component in the curricula of nursing program because it provides student nurses with opportunities to develop competencies in nursing practice". For the staff nurse the clinical environment is a work environment. In this work environment the staff nurse who works with student nurse has the responsibility of being a role model for the students. This added role may place additional stress on the staff nurse and foster negative attitude toward nursing students. In a study by **Hayhurst, Saylor, and Stuenkel (2005)** perception of the environmental workplace by the staff nurse were associated with retention of experienced nurses. Reducing stress in the workplace included the following: fostering group cohesion, promoting autonomy in practice, having manageable workloads, and having skilled, nurturing and supportive management (**Hayhurst et al., 2005**).

Staff nurses are integral piece of nursing students' education process but due to the nursing shortage fewer staff nurse are available to assist in the educational process. Faculty depend on staff nurses to assist them in the clinical education of nursing students and often staff nurses are not given any direction on how to provide this assistance to both faculty and nursing students. It was important to understand the perceptions of nursing staff in order to provide information to the staff nurse on how to interact with students. This information was analyzed and a resource developed with two objectives, provide the staff with suggestions on how to interact with nursing students and to enhance the clinical experience of nursing students.

Aim

The main aim of systematic review is to critically examine evidences on effectiveness of behavior change communication on improving staff nurse's perception of working with student nurse.

Objective

1. To review and analyse the existing literatures on factor affecting on clinical learning
2. To systematically review and analyse the existing literature on the effectiveness of behaviour change communication on perception.
3. To identify, analyse and collect evidence on nursing staff's perception of working with student nurse.
4. To search for literature on perception.
5. To offer practical recommendations for nurse educators, clinical administrators, staff nurse, student nurse, curriculum planner and policymakers on effectiveness of behaviour change communication on improving nursing staff's perception of working with student nurse.

Methodology

A systematic search of electronic databases was conducted to identify relevant studies on effectiveness of behavior change communication on improving nursing staff's perception of working with student nurse. The search terms included "behavior change communication", nursing staff's perception", and related keywords. A systematic search engine includes PubMed, Google scholar, research gate, ncbi.nih sites and various national and international journal of nursing, published and unpublished research. Studies published between 1900 and January 2017 was included, and both quantitative and qualitative studies were considered. The inclusion criteria encompassed studies that examined perception of nursing staff, factor affecting clinical learning, focused on different setting area in different countries and studies on behavior change communication. A systematic data extraction process was employed, followed by a thematic analysis to identify key themes and patterns across the included studies.

Results

The review identifies total of 14 studies that met inclusion criteria, out of which 09 studies are presented. Clinical learning environment of nursing student affected by interpersonal relationship with nursing staff and nursing staff's perception toward student nurse is positive but with apprehension of additional workload their attitude toward student nurse become negative. In health sector behavior change communication improve attitude with intervention. The Studies on Perception proves significant relation between perception changes could ultimately change behavior. Critical analyses of literature are based on selected theme and their findings as follows:

1. Literature related to factors affecting clinical learning
2. Literature related to behaviour change communication
3. Literature related to nursing staff's perception towards student

Table 1
Data extraction table

Literature related to factors affecting clinical learning			
S. No.	Title / Author	Study design/ Participants/ Interventions	Results / conclusion
1.	Nursing student's satisfaction of the clinical learning environment. Papastavrou (2002)	<u>Design</u> : quantitative descriptive , correlational <u>Samples</u> : 463 <u>Population</u> : undergraduate nursing students of university Cyprus	Supervisory relationship was evaluated by students as the most influential factor in their satisfaction with the clinical learning environment.
2.	The relationship between nursing students perception of staff nurses attitude toward them and self – efficacy in sophomore and senior level nursing students. Mueller S. et al (2016)	<u>Design</u> : non-experimental comparative design <u>Samples</u> : convenience sampling <u>Population</u> : sophomore, senior level baccalaureate nursing students	Nursing student's perception of staff nurses' attitudes towards them in moderately related to self-efficacy in nursing students ($r=0.428$). no significant relationship between sophomore and senior level nursing students Finding suggest staff nurse have the ability to make significant impact on nursing students learning experience.
3.	Factor that influence the clinical experience of nursing students at a caribbean school of nursing. Lawal J. et. Al. (2015)	Design: descriptive cross sectional study Samples : 149 Population : 2 nd year and 3 rd year students enrolled in 3 year	The study suggest majority of students identified preceptorship (89.6%), support from the clinical staff (78.4%), ratio of preceptor to students 74.8%), quality of pre-clinical conference (63.8%) having impact on learning.

		baccalaureate nursing program.	70% students indicate type of interpersonal relationships they had with clinical staff and preceptors affect their learning experience.
4.	Study on baccalaureate nursing students' perception of learning and supervision in the clinical environment. Dimitriadou M et al (2014)	Design: exploratory research Sample: 357 Population: 2 nd year students from all universities in Cyprus Tool : clinical learning environment, supervision and nurse teacher instrument.	Study finding suggest supervisory relationship and frequency of individualized supervision meeting found effective. Majority of students valued their mentor's supervision more highly than nurse teacher's supervision toward fulfillment of outcome. Study suggests to modify educational strategies that foster desirable learning for students.
5.	The factor affecting the clinical learning of nursing students. Ramazanibadr F et al (2011)	<u>Design</u> : qualitative study <u>Sample</u> : 19 <u>Population</u> : nursing students of Zanjan university of medical science <u>Tool</u> : semi structured interviews	The main theme affecting the clinical learning of nursing students include clinical learning environment, educational behavior of clinical instructor and student's individual factor.
6.	Staff nurse and students: the good , the bad and the ugly The study to explore student nurses perception of their CLE experience. Koontz A et al (2010)	<u>Design</u> : descriptive and exploratory with qualitative approach <u>Population</u> : student nurse	Student nurses wanted responsibility and trust from nurse, instructors and patients. Nurse may experience professional insecurities if they encounter challenging situation while educating students. The clinical nurse may feel threaten when working with students. Findings shows nurses are considered role models to student nurses and utilization of perceptorship in the CLE enhances student nurses learning.
Literature related to behavior change communication			
7.	Behavior change communication targeting four health behaviors in developing countries. Briscoe C (2012)	<u>Design</u> : descriptive <u>Samples</u> : random sampling	Most successful intervention use three or even four categories of technique, engaging participants at behavioral, social, sensory and cognitive levels. Intervention effective when menu of technique categories appropriate for the targeted behavior and audience when designing their studies
Literature related to nursing staff's perception toward student			
8.	The study to assess the staff nurses' s attitude towards nursing students. Aghamohammadi kalkhoran et al (2011)	<u>Design</u> : descriptive cross sectional <u>Population</u> : staff nurse <u>Tool</u> : five point likert's scale	Staff nurse attitude toward nursing student were low and moderate. Some nurses (45.71%) believed that working with student pleasant and most (98.57%) have thought that staff should have good relationship with students. Staff nurses pointed out that nursing students do not acquire sufficient clinical skill (64.14%) Results of staff's feeling on the relationship between nurse and student cultivate an atmosphere ends to empathy, assurance and sincerity.
9.	Assess nursing students perception of clinical experience Windsor (1987)	<u>Design</u> : qualitative study <u>Sample</u> : 09 <u>Population</u> : senior baccalaureate	Findings suggest staff nurse perceived negatively when they made derogatory comment, gave disparaging look, told students to go to their instructors for help, frequently checked upon students.

	students	Students asked peers questions as this was less threatening than asking the staff nurses.
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Discussion

The reviewed literature consistent with the factor affecting clinical learning environment of student nurse and perception of staff nurse. Perception of staff nurse could improve by introducing means of intervention. Findings suggest quality of student nurse clinical experience improves when staff nurse perception tend to positive and behavior build on suggested factor.

Suggestions

Based on the findings of this review, several recommendations and suggestions can be made.

1. Staff nurse's facilitate intervention on techniques of clinical teaching, approaches utilised, communication and coordination technique.
2. Further research needed to explore factor affecting on clinical learning environment in Indian scenario.
3. Search further in area of clinical instructors perception toward clinical teaching

Conclusion

Systematically formulated the review on behavior change communication and factor affecting on nursing staff's perception working with student nurse. Analyzed many themes on which nurses perception should improve by intervention. Scientific published literature emphasis on broad two factors intrinsic and extrinsic effect on nursing staff's perception.

Limitation

This systematic review has several limitations that should be acknowledged. This systematic review includes potential publication and language biases and the heterogeneity of study designs and methodologies. Restricted availability of data on behavior change communication as intervention. Addressing these limitations and exploring nursing staff's perception toward student nurse in Indian scenario will be effective.

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