

A study to assess the perception towards utilization of community health nursing bag among students in selected nursing colleges of Sangli, Miraj and Kupwad corporation area”

Mr. Anil Ashok Shirsath¹, Dr. Sunil m Kulkarni²

¹M.Sc Nursing (community health nursing), Bharati Vidyapeeth (Deemed to be University)
College of Nursing, Sangli, Maharashtra, India 416414.

²Associate Professor, Bharati Vidyapeeth (Deemed to be University), College of Nursing,
Sangli, Maharashtra, India 416410 Email id
DOI: 10.47750/pnr.2022.13.508.143

Abstract

“a study to assess the perception towards utilization of community health nursing bag among students in selected nursing colleges of Sangli, Miraj and Kupwad corporation area “The purpose of the study was to assess the perception of nursing students towards utilization of community health nursing bags, with the following objectives To find out the perception of nursing students towards utilization of community health nursing bags. Research methodology

The research design used for the present study is descriptive research design. Sampling technique used was stratified random sampling. Population selected were students from different nursing colleges. Total sample size was 176. Data collection was done by self-structured perception rating scale. Results and conclusion Majority of the 172 (97.73%) were from age group 19-25 years and 4 (2.27%) from age Group 26-35 years. The result depicts that, in the study 37 (21.02%) were male’s and 137 (78.98%) were females. Above table and following figure depicts that, in the study 25% were from Basic B.Sc. Nursing, 25% from P.B.B.Sc. nursing, 25% from ANM and 25% of them from G.N.M. course.

5 (11.06%) Basic B.Sc.(N) students in selected nursing colleges had negative perception and 39 (88.64%) had positive perception regarding utilization of community health nursing bag.,P.B.B.Sc.(n) students in selected nursing colleges had negative perception and all 44 (100%) had positive perception regarding utilization of community health nursing bag. None of the G.N.M. students in selected nursing colleges had negative perception and all 44 (100%) had positive perception regarding utilization of community health nursing bag. No one of A.N.M. students Selected nursing colleges had negative perception and all 44 (100%) had positive perception regarding utilization of community.

Keywords; community health nursing bag, perception, nursing, students.

INTRODUCTION

A community health nurse and nursing students carry a community health nursing bag, also known as a home health care bag, public health bag, medical bag, visiting bag, and supply bag, to carry the necessary equipment, articles, and supplies to offer patient care in the home environment.¹

A community health nursing bag technique is a set of equipment that a nurse might use during a home visit to execute simple nursing operations. It saves the home health nurse time and effort while providing high-quality nursing care.²

Nurses' bags were used by some of the early nurses. With a black bag in her hand, Florence Nightingale healed wounded warriors. The nurse's medical bag made it easy for her to transport all of her supplies and equipment to her patients. It was also a way for bacteria to transfer from one sufferer to the next. It was traditionally a huge black leather bag. Effort of home health nurse and provides effective nursing care.³

, The nursing bag was and continues to be an important tool for community health nurses since the early 1900s.

The backpack contains all of the items and equipment required for a home visit and to deliver patient treatment based on an initial evaluation. It also includes articles that are utilized for assessing an unexpected circumstance that occurs in the home environment. The backpack provides quick access to infection control materials such as hand cleaning and barrier protection. With the support of the community health bag, the nurse has been acknowledged in the community as a health care provider throughout its existence.⁴

Snow (1936) utilized the classic black bag to convey her message about the work that public health nurses used to conduct in providing nursing care in people's homes. She enhances the personalities of her patients and the value of the black bag to the job of public health nurses by using this strategy. This bag contributes to the justification of the Public Health Nurse's (PHN) position as well as the environment in which she worked. The bag also emphasizes the nurses' sense of humor with the family she identifies, as well as the existence of diseases in other circumstances in the community.⁵

The community health nursing bag used to be taken into consideration as an crucial device in public health nursing with inside the center of 20th century as it contained objects for imparting to the sick, maternity nursing, fitness demonstration and different capabilities inside position of public health nursing businesses faculty and schools or non-public business enterprise wherein nurses offer domestic care a couple of patients. The contents of the bag, in addition to the requirements for its use are explained. The historic utilization of the bag as a storehouse for experts care and professional knowledge, in addition to bag method as a technique of contamination control, can also additionally help to give an explanation for why the black bag is continued as a image of public fitness nursing.⁶

Nurses who attend home visits carry a community health bag with them so that assessment tools and medical supplies are available during each visit in order to delivery your finest nursing care and services to the residents of community. There are several issues to be considered while carrying a bag ,organization or best workflow obtain to supplies and performance it is simple to travel and clean bag handling causes physical pain cost and durability should be kept to the minimum⁷

NEED FOR THE STUDY

The backbone of community health nursing is home visits, and during these visits, nurses utilize the typical community health nursing bag. It is in the community health nurse's disposable and necessary equipment, which he or she must take while going out for home visits. Nurses use the community health bag to deliver complete nursing care to individuals and families. Family health needs like health assessment, wound care, demonstration of certain diet can be effectively done with the help of community health bag.⁸

It is in the community health nurse's disposable and necessary equipment, which he or she must take while going out for home visits. Nurses use the community health bag to deliver complete nursing care to individuals and families. Home care has grown in scope and intensity across the country over the last Infection monitoring, prevention and management efforts have fallen behind. We need valid reliable definitions and methods for monitoring. Preventive and management efforts are primarily based on acute care practices, many of which can be unnecessary, impractical, and costly in the home environment. Infectious disease management principles need to form the basis for training home health care workers to assess the risk of infection and develop preventive strategies. Efforts to reduce hospitalizations, transfer Outpatient facilities, and the preference for patients and their families to receive care at home have contributed to the significant growth of home care over the last decade.⁹

The Level of Academic Performance on the Use of the Community Health Nursing Bag was the subject of an evaluation study. Nursing students in their senior year. The understanding of senior nursing students on how to utilize the Community Health Nursing bag is weak, with an overall mean of 4.99. The greatest frequency, percentage, and mean, with a mean of 0.64, was knowledge of the right positioning of the items on the rear section of the Community Health Nursing bag. The positioning of the denatured alcohol in the back section of the bag was scored very well by 164 of the 253 respondents, or 64.43 percent. Senior nursing students have a highly positive opinion of using the Community Health Nursing pack, with an overall mean of 40.62. Disposing of trash appropriately after a procedure had the greatest frequency, percentage, and mean scores, with a mean of 4.38. One hundred and twenty-three (48.62%) of the 253 respondents strongly believe that effective rubbish

disposal is necessary. On the other side, properly carrying the Community Health Nursing bag was scored with the lowest frequency, percentage, and mean, with a mean of 3.42. Only 39 of the respondents (15.42%) believe it is necessary to carry the Community Health Nursing bag properly. Senior nursing students had a high degree of self-perceived proficiency in using the Community Health Nursing bag, with an overall mean of 37.18. With a mean of 4.04, the practice of separating old equipment in a plastic bag had the greatest frequency, proportion, and mean. 114(41.11%) separated their old equipment in a plastic bag. On the other side, the practice of wearing an apron while conducting an operation had the lowest average of 3.42. The lowest frequency and percentage of students executing this step was carrying the Community Health Nursing bag in an appropriate manner. This finding matched the students' attitude on carrying the Community Health Nursing backpack. According to the findings, senior nursing students had insufficient knowledge, a positive attitude, and high self-perceptions of their ability to utilize the Community Health Nursing bag.⁹

MATERIALS AND METHODS

A descriptive research design was adopted for this study. The study was carried out at nurse. The sample comprised of students of nursing school and colleges at Sangli ,Miraj and Kupwad who were studying nursing course in different nursing colleges. . Sample was selected using Simple stratified sampling technique. Sample size was 176 which were equally divided among Basic B.Sc., P.B.B.Sc., G.N.M. and A.N.M. students. The tool used for the study was self-structured perception rating scale which consist of 18 statements.²¹ experts did the content validity of the tool. The experts were selected from various fields based on the topic. Reliability of tool was done in two colleges and 20 students were taken. Test retest method was used to check reliability of perception scale. The reliability coefficient r was 0.9 hence tool is reliable. By using formula Karl Pearson coefficient and bowman's prophecy formula. a pilot study is small scale study conducted prior to main study. The function is to check the feasibility and problems faced during study. The pilot study was conducted from 20/09/21 to 22/09/21 in Wanless Hospital, College Of Nursing, Miraj and Gulabrao Patil institute of nursing sciences Miraj to assess feasibility of the study. A prior permission was taken from the authority. The subject of pilot study was excluded from the final study.18 samples were taken for pilot study. Ethical permission is obtained from ethical committee and college authority .Informed consent is obtained from each sample. Data collection is done by using the tool which consist of two sections. Demographic variables, rating scale on perception. Data was analyzed by using descriptive statistics and finding will be presented in form of tables and graphs. Tabulation of data in terms of frequency and percentage distribution to described data. And Assessed perception among nursing students is presented.in terms of frequency and percentage.

RESULTS AND DISCUSSION

Majority of the 172 (97.73%) were from age group 19-25 years and 4 (2.27%) from age group 26-35 years. The result depicts that, in the study 37 (21.02%) were male's and 137 (78.98%) were females. Above table and following figure depicts that, in the study 25% were from Basic B.Sc. Nursing, 25% from P.B.B.Sc. nursing, 25% from ANM and 25% of them from G.N.M. course.

5 (11.06%) Basic B.Sc.(N) students in selected nursing colleges had negative perception and 39 (88.64%) had positive perception regarding utilization of community health nursing bag.,P.B.B.Sc.(n) students in selected nursing colleges had negative perception and all 44 (100%) had positive perception regarding utilization of community health nursing bag. None of the G.N.M. students in selected nursing colleges had negative perception and all 44 (100%) had positive perception regarding utilization of community health nursing bag. No one of A.N.M. students in selected nursing colleges had negative perception and all 44 (100%) had positive perception regarding utilization of community health nursing. Proper bag technique and proper utilization of the community should be taught to the students so that their perception about the utilization of the community health nursing bag will never be in a negative path Nursing students are the strong pillars of the nursing profession so proper bag technique and Utilization of the community health bag should be taught to the students so their perception about the utilization of the community health nursing bag will not lead to negative understanding. Majority of 171 (88.64%) of nursing students had positive perception and 5 (11.36%) towards community health nursing bag and its utilization. Since all the p -values are (greater than 0.05), none of the

demographic variables was found to have significant association with perceptions of the nursing students towards community health nursing bag and its utilization.

DATA INTERPRETATION, ORGANIZATION OF DATA IN TABLE

Table 1: Frequency and percentages distribution of the students in selected nursing colleges n=176

Sr. No.	Variable	Groups	Frequency	Percentage
1	Age	19-25	172	97.73
		26-35	4	2.27
2	Gender	Male	37	21.02
		Female	139	78.98
3	Students studying in educational programme	Basic BSc Nursing	44	25.00
		PBBSc nursing	44	25.00
		GNM	44	25.00
		ANM	44	25.00

Above table and following figure depicts that, in the study 172 (97.73%) were from age group 19-25 years and 4(2.27%) from age group 26-35 years. Following figures depicts that Study 37(21.02%) were males and 137(78.98%) were females. In the study 25 % (44) were from Basic BSc Nursing, 25% (44) from PBBSc nursing, 25% (44) from ANM and 25 % (44) of them from GNM course.

Table no 2: Frequency and percentage of data related to assessment of the perception towards utilization of community health nursing bag N=176

Sr. No.	Statement	Strongly agree		Agree		Strongly disagree		Disagree	Neutral		
		Freq	%	Freq	%	Freq	%	Freq	%	Freq	%
1	I feel the bag is very heavy to carry.	10	5.68	76	43.18	9	5.11	70	39.77	11	6.25
2	I feel shy in carrying the bag.	9	5.11	19	10.80	15	8.52	124	70.45	9	5.11
3	I feel the bag is easy to handle and use.	46	26.14	110	62.50	1	0.57	13	7.39	6	3.41
4	The bag's recent design and colour is attractive.	27	15.34	84	47.73	7	3.98	43	24.43	15	8.52
5	When all students are around, I like carrying the bag.	31	17.61	103	58.52	4	2.27	27	15.34	11	6.25
6	The lab assistant should clean all the articles in the bag.	48	27.27	69	39.20	5	2.84	51	28.98	3	1.70
7	The articles in the bag should be in good working condition.	94	53.41	75	42.61	0	0.00	4	2.27	3	1.70
8	After using the bag, I'm more interested in doing procedures.	66	37.50	100	56.82	0	0.00	6	3.41	4	2.27

9	When my teacher gives me demo and supervise it I feel encouraged to practice it.	81	46.02	87	49.43	3	1.70	1	0.57	4	2.27
10	I consider it is rewarding experience to use the bag..	53	30.11	80	45.45	2	1.14	24	13.64	17	9.66
11	During the home visit .I feel the family will welcome me with the bag.	48	27.27	97	55.11	4	2.27	11	6.25	16	9.09
12	I think it is necessary to carry the bag every day.	48	27.27	79	44.89	4	2.27	34	19.32	10	5.68
13	The bag, in my belief, should not be carried everywhere.	21	11.93	74	42.05	5	2.84	68	38.64	8	4.55
14	I find it convenient to use the bag.	35	19.89	115	65.34	4	2.27	11	6.25	11	6.25
15	I think the bag contains articles that are used as needed.	71	40.34	98	55.68	1	0.57	1	0.57	5	2.84
16	I feel happy when family members appreciate me.	97	55.11	76	43.18	2	1.14	1	0.57	0	0.00
17	After using the bag, I'm overall satisfied.	62	35.23	107	60.80	0	0.00	3	1.70	4	2.27
18	I think that bag's design and colour should be universal.	54	30.68	90	51.14	2	1.14	17	9.66	13	7.39

- As per the above table, 5(11.36%) of the Basic BSc (N) students in selected nursing colleges had negative perception and 39(88.64%) had positive perception regarding utilization of community health nursing bag.
- The value shows that none of the PBbsc (n) students in selected nursing colleges had negative perception and all 44 (100%) had positive perception regarding utilization of community health nursing bag.
- The above table depicts none of the GNM students in selected nursing colleges had negative perception and all 44 (100%) had positive perception regarding utilization of community health nursing bag.
- None of the ANM students in selected nursing colleges had negative perception and all 44 (100%) had positive perception regarding utilization of community health nursing.

CONCLUSION

Majority of 171 (88.64%) of nursing students had positive perception (Score 0-36) and 5 (11.36%) of nursing students had negative perception (score 37-72) towards community health nursing bag and its utilization. Since all the p-values are large (greater than 0.05), none of the demographic variables was found to have significant association with perceptions of the nursing students towards community health nursing bag and its utilization.

DISCUSSION

Majority of the 172 (97.73%) were from age group 19-25 years and 4 (2.27%) from age group 26-35 years. Above table and following figure depicts that, in the study 37 (21.02%) were males and 137(78.98%) were females. The above table and following figure depicts that, in the study 25% were from BASIC BSC Nursing, 25% from PBBSC nursing, 25% from ANM and 25% of them from GNM course.

However, 5 (11.06%) Basic BSc(N) students in selected nursing colleges had negative perception and 39(88.64%) had positive perception regarding utilization of community health nursing bag., PBBSC(n) students in selected nursing colleges had negative perception and all 44 (100%) had positive perception regarding utilization of community health nursing bag . None of the GNM students in selected nursing colleges had negative perception and all 44 (100%) had positive perception regarding utilization of community health nursing bag. None of ANM students in selected nursing colleges had negative perception and all 44 (100%) had positive

perception regarding utilization of community health nursing

Proper bag technique and proper utilization of the community health bag should be taught to the students so their perception about the utilization of the community health nursing bag will never be in a negative path

Nursing students are the strong pillars of the nursing profession so proper bag technique and proper utilization of the community health bag should be taught to the students so their perception about the utilization of the community health nursing bag will never be in a negative path .it will always good. Majority of 171 (88.64%) of nursing students had positive perception and 5 (11.36%) towards community health nursing bag and its utilization. Since all the p-values are (greater than 0.05), none of the demographic variables was found to have significant association with perceptions of the nursing students towards community health nursing bag and its utilization

NURSING IMPLICATIONS

- **Nursing practice:**

In community health practice, the utilization of CHN bag perception is takes major factor in point of nurse and family member. The Nurse will select the bag most comfortable, attractive, and suitable to use i.e factor promoting for positive response and avoiding the factors for negative response as result of perception of students. Nurse supervisor will observe the students' responses during utilization.

- **Nursing administration:**

The Nursing administration will consider the factors promoting the utilization of CHN bag. As administrator nurse point view, she will see, its proper structures and function, so students will give positive responses during care i.e. showing positive perception of utilization.

- **Nursing research:**

The Nursing researcher will utilize the results in further studies or will conduct supporting students to this topic. She will communicate or guide the result to other nurses to take proper measures to avoid negative perception.

Nursing education:

The Nurse educator will teach or practice such result in teaching, supervising or actual working. She will promoter the factors leading to positive perception.

ACKNOWLEDGEMENT

The researcher acknowledges the institutional authorities of BVCON and the study participants for the co-operation and all the stakeholders involve in completion of the research study.

CONFLICT OF INTEREST

No conflict of interest involved.

FUNDING SOURCE

The study was self-funded by researchers.

REFERENCES

1. McGoldrick, Mary MOS, RN, CRNI. Bag Technique: Preventing and Controlling Infections in Home ,Home Healthcare Nurse: January 2014 - Volume 32 - Issue 1 - p 39-45 doi: 10.0.1097/NHH.0
2. Kozier, Barbara, et.al. Fundamental of Nursing. Philippines: Pearson Education South Asia PTE LTD, nursing buddy online nursing resource publication <http://www.nursingbuddy.com/2010/10/23/bag-technique>.
3. George Tall. Hug Your Nurse, Nursing News, Articles & Community! <http://hugyournurse.com/nursing-bags/>
4. Aaltonen, Pamela M.; Richards, Elizabeth; Webster, Kay; and Davis, Lynn, "Use of the Public Health Nursing Bag in the Academic Setting." (2009). School of Nursing Faculty Publications. Paper 8 <http://docs.lib.purdue.edu/cgi/viewcontent.cgi?article=1010&context=nursingpubs>
5. Snow H. The black bag. Public Health Nurs. 2012 Nov;29(6):574-5. doi:10.1111/phn.12012. PubMed PMID: 23078428. <https://www.ncbi.nlm.nih.gov/pubmed/23078428>

6. Abrams SE. The public health nursing bag as tool and symbol. *Public Health Nurse*. 2009 Jan-Feb;26(1):106-9. doi: 10.1111/j.1525-1446.2008.00759.x. PubMed PMID: 19154198. <https://www.ncbi.nlm.nih.gov/pubmed/19154198>
7. Sitzman, K., Pett, M., Bloswick, D. (2002). An exploratory study of nurse bag use by home visiting nurses. *Home Healthcare Nurse Journal*, 20(4), 553-558.
8. Basavanthappa B. *Community Health Nursing: Second Edition*: Published by Jaypee Brothers Medical Publishers (P) Ltd, 2007.
9. Shelley T, Beth G. Incorporating High-fidelity Simulation Technology into Community Health Nursing Education, *Clinical Simulation in Nursing* Volume 6, Issue 2, March– April 2010, Pages 53– <http://www.sciencedirect.com/science/article/pii/S187613990900510>
10. E. Rhinehart, *Infection control in home care, emergency infectious diseases*, 2000, mar-April 7(2),208-211. <https://wwwnc.cdc.gov>
11. Dhudum MB, Amrao MP. Image of nursing among students of selected Junior Colleges of Sangli, Miraj, Kupwad Corporation. *NVEO-NATURAL VOLATILES & ESSENTIAL OILS Journal*| NVEO. 2021 Nov 27:8735-42.
12. Pandhare SP, Dhudum B. Effectiveness of PtP Regarding Use of Braden Scale for Pressure Sore on Knowledge and Practices among Staff Nurses Working in selected Hospitals. *Amarjeet Kaur Sandhu*. 2018 Oct;10(4):139.