

Knowledge of II-year B.Sc. nursing students regarding mind map

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Abstract

Back ground: Mind mapping is a visual from of note taking that offers an overview of a topic and its complex information, allowing students to comprehend, crate new ideas and build connections. Through the use of colors, images and words, mind mapping encourages student to begin with a central idea and expand outward to more in depth sub topics. Mind maps are tools that helps to think and remember better, creatively solve problem and take action. The mind map encourages creativity and flexibility. Mind maps helps to think logically.

Aim: To assess the level of knowledge regarding Mind Map among II-year B.sc. (N) students.

Material and Method: Study conducted by using the quantitative research approach by using descriptive research design was adopted to assess the level of knowledge of III year BSC (N) students regarding Mind Map.

Statistical Analysis Used: The collected data was organized, tabulated, analyzed and interpreted by using descriptive and inferential statistics based on the objectives of the study.

Results and Conclusion: The study result shows that with regard to level of knowledge on Mind Map among II year B.Sc.(N) students, 2(6.7%) had A+ knowledge, 3(10%) had A knowledge, 8(26.6%) had B+ knowledge, 10(33.3%) had B knowledge, 3(10%) had C knowledge and 4(13.3%) had D knowledge.

Keywords: knowledge, mind map, nursing student

1. Introduction

Mind mapping is a visual from of note taking that offers an overview of a topic and its complex information, allowing students to comprehend, crate new ideas and build connections. Through the use of colors, images and words, mind mapping encourages student to begin with a central idea and expand outward to more in depth sub topics.

Mind maps are tools that helps to think and remember better, creatively solve problem and take action. The mind map encourages creativity and flexibility. Mind maps helps to think logically.

All the mind maps begin with a main concept or idea from that main idea create branches, that each represent a single word that relates to the main topic. Its helpful to use different colors and images to differentiate the branches and sub-topics. This helps to develop and elaborate overall theme of the mind map. Including images and sketches can also be helpful in brain storming and creating the sub branch topics.

The technique of concept mapping was developed by Joseph D. Novak at cornell. Concept maps have their origin in the learning movement called constructivism. In particular constructivists hold their prior knowledge is used on a frame work to learn new knowledge. Concept maps identify the way we thing, the way use for the relationships between knowledge. This is a step by step guide to creating first mind map on mind meister. All brain functions such as formatting, adding icons and images, additional information and sharing maps are covered in this guide.

2. Objectives of the Study ^[5]

- To assess the level of knowledge regarding Mind Map among II-year B.sc. (N) students.
- To find out the association between the levels of knowledge regarding Mind Map with their selected socio demographic variables.

3. Detailed Research Plan ^[6]

- **Research Approach:** Quantitative Approach.
- **Research Design:** Descriptive research design.
- **Research Setting:** The study was conducted in Narayana College of Nursing, Nellore.
- **Sampling Technique:** Non probability convenience sampling techniques was adopted for selection of the subjects.

Sample Size: The sample size is 30 B. Sc nursing students.

▪ Description of the tool:

The tool was developed with the help of literature from various text books, journal and guidance from expert in field of nursing and general psychiatry. The tool is divided in to two parts.

Part-I: Deals with socio demographic variables such as age, marital status, religion and mother tongue.

Part-II: Questionnaire to assess the level of knowledge of II year B.Sc (N) students regarding mind map.

Score Interpretation

Table 1

Grade	Score
A+	More than 85%
A	More than 75%
B+	More than 65%
B	More than 55%
C	More than 50%
D	Less than 50%

4. Results and discussion

Description of demographic variables of among B. Sc nursing students

- In context to age group, out of 30 samples 5(16.7) were 18 years, 22(73.3%) were 19 years and 3(10%) were 20 years.
- In context to the Marital status 29(96.67%) were unmarried and 1(3.33%) were married.
- Pertaining to religion 20(66.7%) were belongs to Hindus, 1 (3.33%) were belongs to Muslim and 9(30%) were belongs to Christians.

- In context to mother tongue 22(73.4%) were use Telugu, 1(3.33%) were use Hindi and 7(23.3%) were use other languages.

Table 2: Level of knowledge regarding Mind Map among II year B.Sc. (N) (n=30)

Level of knowledge	Frequency(F)	Percentage (%)
A+	2	6.7
A	3	10.0
B+	8	26.6
B	10	33.3
C	3	10.0
D	4	13.3
Total	30	100

Table 2 shows that with regard to level of knowledge on Mind Map among II year B.Sc.(N) students, 2(6.7%) had A+ knowledge, 3(10%) had A knowledge, 8(26.6%) had B+ knowledge, 10(33.3%) had B knowledge, 3(10%) had C knowledge and 4(13.3%) had D knowledge.

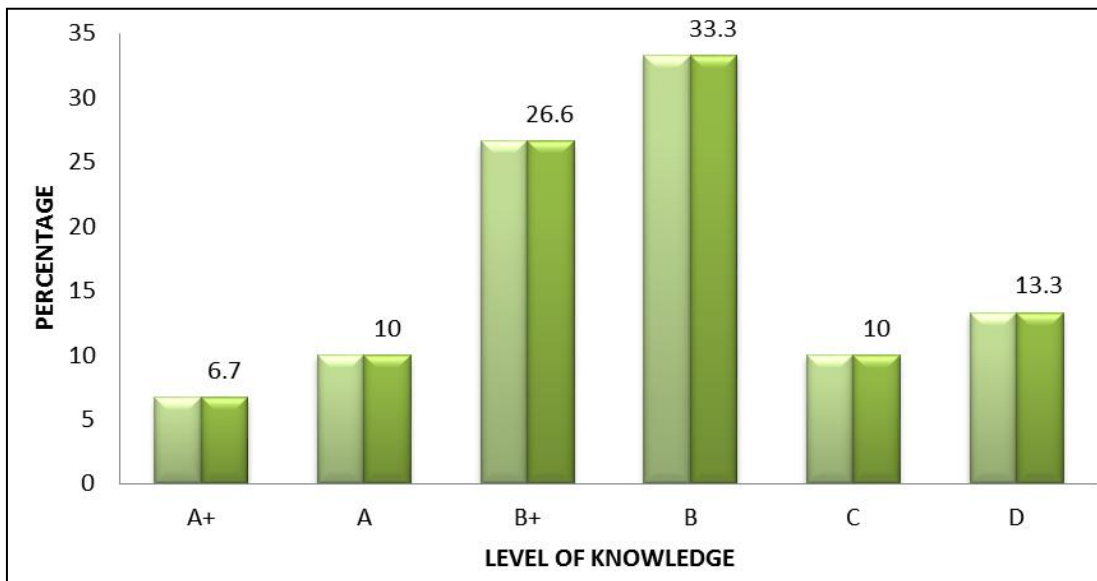


Fig 1: Shows Percentage distribution based on level of knowledge

5. Implications of the Study

Nursing Practice

- This study helps the students to increase the level of knowledge regarding Mind Map.
- The study help to the Nurses to increase the knowledge & participate actively.

Nursing Education

- The present study motivates the B.Sc., Nursing students to increase the knowledge regarding Mind Map.
- Nurse educator should conduct educational programmes to improve awareness regarding Mind Map among Student nurses.

Nursing Administration

- The administration should plan for continuing nursing

education programme on Mind Map to the B.Sc., nursing students to enhance the knowledge of the students.

- Nurse administration should provide adequate training to nursing students for increasing the knowledge regarding Mind Map.

Nursing Research

- Extensive research can be carried out to assess the knowledge regarding Mind Map among B.Sc., Nursing students.
- The essence of research is building up the knowledge regarding Mind Map among B.Sc., Nursing students.

6. Conclusion

The study findings concluded that majority of II year B.Sc., Nursing students had B+ grade knowledge.

7. References

1. Adeley B, Ladwig G. diagnosis hand book an evidence based Ajay, S and Karabacak V. care plans using concept maps and their effects on scritical thinking dispositions of nursing students Internationals journal of nursing practice, 2002, 2008.
2. Fundamentals of nursing author Koizer and ERD, page no, 112-114.
3. Nursing foundation author Tolyer's published by Jaypee, page no, 110-115.
4. Nursing foundation author Basavanthappa published by, page no. Role of community health nurses in School health program, Narayana Nursing Journal. 2013, 165-170.
5. Dengue Fever, Narayana Nursing Journal. 2014; 5.
6. Ferraio C. developing nurses critical thinking skills with concept mapping journal in nurses in staff development. 2004; 20(6):261-267.