

## Knowledge assessment regarding electronic patient health records of B.Sc. Nursing Internship students

Priya Verma

M.Sc. Nursing Previous year, Department of Medical Surgical Nursing, Bombay Hospital College of Nursing, Indore, Madhya Pradesh, India

### Abstract

Paper based records are the most common method of recording patient details, information in the hospitals in developing nation. Maximum hospitals in the India and other nation keep their patient's medical health records in paper form. A new electronic system for handling patient's health medical records requires an investment in software, hardware, and training of the health care personnel. A quantitative descriptive survey study was conducted to assess the knowledge regarding electronic patient health records of B.Sc. Nursing Internship students. 10 students of B.Sc. Nursing Internship were selected randomly. Data were collected through socio-demographic & structured knowledge questionnaire tools. The results showed that mean score of knowledge level of B.Sc. Nursing Internship students was 6.5 & this value indicate that B.Sc. Nursing Internship students were having average level of knowledge regarding electronic patient health records and there was significant association between knowledge scores with their selected socio demographic variables of B.Sc. Nursing Internship students.

**Keywords:** patient details, socio demographic, electronic

### Introduction

Medical health record is an orderly written document encompassing the patient's admission, identification, health history, physical examination findings, laboratory reports, treatment, surgical procedure reports and discharge from hospital course.

In highest hospitals, nurses & health care personnel are responsible for building maximum what constitutes the patient record. Maximum the documentations on a patient's health record is produced as a result of the physician's orders. These orders are usually processed by the nursing staffs & health care personnel, who transcribe them into documents such as laboratory request forms, drug prescription forms, diagnostics tests request forms, & radiographic test etc. The recent studies show that the documentation activities take more than 25% of the nurses' time. Evidently, the time spent documenting is time during which the nurses & health care personnel are precluded from providing direct health care to patients.

The government can avail of such records in the direction of making short as well as long term health strategies. An integrated study of electronic patient health records available in all the hospitals and health centres will contribute towards knowing the health condition of people, ailment stricken areas, cause and effects of disease, availability of health workers as well as physical facilities and resources in order of delivering the appropriate health service to the people.

### Need for the study

Maximum hospitals in the India and other nation keep their patient's medical health records in paper form. A new electronic system for handling patient's health medical records requires an investment in software, hardware, and training of the health care personnel.

Mathew. V. Jibin, (2011), suggested that electronic patient health records system form the infrastructure for the timely

and accurate collection and exchange of detail in patient's data, information, and knowledge in health care organizations, & thus a more efficient use of scarce resources. The productivity of these computerized patients records systems is expected to rise with their increased level of implementation in all healthcare domains, particularly, when primary healthcare and home healthcare are included in the infrastructure. In today's life, electronic medical record systems lie at the center of any computerized health information system. From an operational standpoint, there is a need for hospitals to maintain in-patient files for over 8 years for regulatory reasons.

After comprehensive literature review, investigator identified a need to assess the knowledge regarding electronic patient health records of B.Sc. Nursing Internship students.

### Statement of the problem

"A descriptive study to assess the knowledge regarding electronic patient health records of B.Sc. Nursing Internship students studying in selected nursing college of Indore."

### Objectives of the study

- To assess the level of knowledge regarding electronic patient health records of B.Sc. Nursing Internship students.
- To find out the association of knowledge scores regarding electronic patient health records with selected socio demographic variables of B.Sc. Nursing Internship students.

### Hypotheses

#### At 0.05 level of significance

There is a significant association of knowledge scores with selected socio demographic variables of B.Sc. Nursing Internship students regarding electronic patient health records.

## Methodology

A quantitative descriptive survey research approach was used in the study, 10 students of B.Sc. nursing internship of Bombay Hospital College of Nursing, Indore, were selected by using probability sampling technique who were 20 years of age & above & willing to participate in the study. Data was collected by using socio-demographic & structured knowledge questionnaire & analysed through descriptive & inferential (chi-square test) statistics.

## Results

In the study, most of B.Sc. Nursing Internship students 07 (70%) belonged to age group from 21 year to less than 22 year (21-<22), whereas 02 (20%) belonged to age group from 20 year to less than 21 year (20-<21), 01 (10%) belonged to age group from 22 year to less than 23 year (22-<23), no were found in the age of 24 years and above. Majority 09 (90%) of B.Sc. Nursing Internship students known three languages, whereas only 01 (10%) of them known two languages. Most of 09 (90%) B.Sc. Nursing Internship student's mother tongue was Malayalam, whereas 01 (10%) mother tongue was Hindi.

This study revealed that, 06 (60%) B.Sc. Nursing Internship students had average level of knowledge and 04 (40%) students had below average level of knowledge regarding electronic patient health records. Mean score of level of knowledge of B.Sc. Nursing Internship students was 6.5 (S.D. $\geq$ 2.5), this value indicate, that B.Sc. Nursing Internship students were having average level of knowledge regarding electronic patient health records.

Chi-square test revealed that there is significance association of level of knowledge with their selected socio-demographic variables, hence the research hypothesis (H1) is accepted.

## Conclusion

This study revealed that B.Sc. Nursing Internship students have average level of knowledge regarding electronic patient health records & there is need to improve knowledge in this area.

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