



**PERCEPTION OF STUDENT NURSES TOWARDS NURSING INFORMATICS IN
TWO SELECTED COLLEGE OF NURSING IN KOGI STATE**

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ABSTRACT

This study is based on the perception of student Nurses towards nursing informatics in two selected college of nursing in Kogi state. BACKGROUND: The increasing use of technology in nursing practice requires nursing students to be competent in nursing informatics with an attitude of acceptance of technology in the healthcare environment. OBJECTIVES: The aim and objective of the study are all directed towards the knowledge, perception and Factor militating against the use of nursing informatics. Chapter two and three looks at the view of others in relation to the topic of the research while chapter three dealt with the methodology of the research. Chapter three and four also dealt with research design and method used. METHOD: Data was collected majorly from the student nurses of the colleges through personal interaction with the permission from the colleges research committee, the questionnaires were administered personally to the various respondent from various classes in the college. All 226 questionnaire were administered and recovered .Data was analyzed using frequency and percentage while result where presented in tables.The result showed that 194(85.8%) of the student nurses have good knowledge of nursing informatics. The finding also revealed that 219(96.9%) of the student nurses have positive perception towards nursing informatics. CONCLUSION:The study concluded that computer literacy skills, informatics literacy skills and information management skills were relevant to nursing practice, despite varying levels of competence in these skills among nurses

BACKGROUND OF THE STUDY

Technology has increased rapidly over the past four decades and has become an integral part of health care. Nurses have participated in the purchase, design and implementation of information technology in health care. The knowledge required in nursing informatics has expanded and it is now recognised as specialty in the profession. Nursing informatics is considered both a science and a system, including process and data. The term nursing informatics was initially seen in literature in the 1980s, including a definition of combining Nursing, Information and computer science for managing and processing data in to knowledge for using in nursing practice (Hannah, et al., 2017).

In 1994, The America Nurses Association (ANA) began developing a statement to describe and define the scope of nursing informatics (ANA, 2018). The America Nurses Association (2018) defined nursing informatics as a specialty that integrates nursing science, computer science and information science to manage and communicate data, information, knowledge and wisdom in nursing practice. Nursing informatics is the application of computer technology to all field of nursing, nursing services, nursing education and nursing research. Ball and Hannah (2018) acknowledged that all healthcare professionals are part of medical informatics therefore nursing informatics is gathered informational technologies which concern with the patients care decision making process performed by healthcare practitioners.

Technology in health care is increasingly becoming an integral part of health care delivery system as strategies where by sustained improvement in health care outcome may be attained. Nurses play a pivotal role in technology deployment, maintenance and evolution on quality client care delivery, although nurses are involved in technology in health care settings, the roles are diverse and nursing informatics have become one of those big roles. Nursing informatics is a field of nursing that incorporate nursing, computer and information sciences to maintain and develop medical data and system to support the practice of nursing and to improve patient care outcomes. According to Ball and Hannah (2018) Technology that evolved due to nursing informatics includes computerised provider order entry (CPOE), Electronic medical records (EMRS), Nursing Data Standard Decision Support System (DSS) North American Nursing Diagnosis- International Association (NANDA-I).

America Nurses Association (2018) maintained that information system and different digital tools are used for clinical practice as a foundation for evidence based care decision, support and electronic health record in patient care management. Nursing informatics is a new specialty in developing country like Nigeria, even though it was approved by the America Nurses Association since 1992 as a recognised specialty in nursing science. The building blocks of this specialty are Nursing science, Information science and Computer science, these combined to provide the knowledge of Nursing Informatics .Expanded roles and technology are being incorporated in to the domain of nursing informatics. The effects of these roles are visible across all sectors of nursing. Pro-active leadership, education, research and nursing regulatory body's roles are required to create a supportive environment for nursing informatics in Nigeria. The ultimate goal of nursing informatics is to use technology to bring critical information to the point of care to increase efficiency, make healthcare safer and more effective in promotion of quality nursing care practice (Daniel & Oyetunde 2018). The America Association Colleges of Nursing suggested that, introduction of nursing informatics competency in nursing curriculum is essential to ensure standard nursing education, clinical information system, clinical decision support system and quality nursing care delivery. Substantial evidence suggest that integrating computer technology into nursing curriculum will provide computer skills as required throughout nursing education and practise. Advancement in technology will have a definite impact for the future of nursing profession to provide low cost service in a safe, efficient and effective way in quality nursing care delivery. It is therefore necessary to carry out research on perception of student nurses towards nursing informatics in two selected colleges of nursing in Kogi State

STATEMENT OF THE PROBLEM

Nursing being an integral part of health care delivery system is exposed continually to a variety of changes and nurse gathers information associated with the patient through data collection. The attitude of nurses towards computer education has affected the quality of rendering effective care which bring about the knowledge of new prevalent diseases and the quality of the profession both within the country and beyond. The rapid developments in technology have heightened the need for nursing informatics in nursing care practice. Nursing informatics play a fundamental role in improving the Nursing care practice in Nigeria which comes with different challenges. The challenges include unstable electricity, internet penetration, perceptions of the users, inadequate staff, inadequate computers, unstable internet connection (Ibitola, et al., 2022).

Developing countries often face challenges related to technological, financial and organizational factors. Lack of infrastructure, financial constraints, poor quality hardware and software can leads frustration, impaired learning and resistance to information technology (Fiona, & ThembeKile, 2020). There were limited documented studies on the knowledge accessibility and use of information technology in nursing education and practice in developing countries especially Nigeria. Therefore, base on the above evidence, it is necessary to assess pperception of student nurses towards nursing informatics in two selected college of nursing which are UEC College of Nursing Ochadamu and Nana College of Nursing Ayingba, Kogi state

AIM AND OBJECTIVES

The aim of the study is to investigate perception of student nurses towards nursing informatics in two selected colleges of nursing kogi state.

The specific objectives of this study is to:

1. To assess the knowledge of nursing informatics among nursing students in two selected Colleges Of Nursing, Kogi State.
2. To assess the perception of student nurses towards nursing informatics in two selected Colleges Of Nursing, Kogi State.

3. To identify factors militating against the use of nursing informatics among nurses in two selected Colleges Of Nursing, Kogi State.

RESEACH QUESTIONS

1. What is the knowledge of nursing informatics among nursing students in two selected Colleges Of Nursing, Kogi State?
2. What is the perception of student nurses towards nursing informatics in two selected Colleges Of Nursing, Kogi State?
3. What are the factors militating against the use of nursing informatics among nurses in two selected Colleges Of Nursing, Kogi State?

HYPOTHESES

Ho1: They is no significant difference between the level of education and knowledge of nursing informatics among nursing students in two selected Colleges Of Nursing, Kogi State

Ho2: They is no significant relationship between the demographic variables and perception of student nurses towards nursing informatics in two selected Colleges Of Nursing, Kogi State

SIGNIFICANCE OF THE STUDY

The study will help to provide comprehensive knowledge to student nurses, clinical nurses, and nursing administrator on effective uses of nursing informatics in providing quality nursing care.

It will also improve the standard of practice with maximum utilization of technologies for nurses, thus enhancing a remarkable growth in the status of nursing profession, moving the profession to a technological advanced one.

It helps in proper documentation and retrieve of information when necessary during the nursing practice

The findings of this study will provide appropriate data for nurses in decision making process in nursing practice, nursing education and nursing administration

The out come of this study will also add to the body of knowledge and existing body of nursing profession in general.

SCOPE OF THE STUDY

The study is limited to assess the perception of student nurses towards nursing informatics in UEC College of Nursing Ochadamu Ofu LGA Kogi State and Nana College of Nursing ursing Ayingba, Dekina LGA, Kogi state.

OPERATIONAL DEFINITION OF TERMS

- **PERCEPTION:** The way nursing informatics is regarded, understood or interpreted by many student nurses.
- **STUDENT NURSE:** A person who is undergoing a program of basic, generalised nursing education and is not authorised by the appropriate regulatory authority to practice nursing in his or her country.
- **NURSING INFORMATICS:** It is defined as a specialty that integrates nursing science, computer science and information science to manage and communicate data, information, knowledge and wisdom in nursing practice, education and administrative.
- **COLLEGE OF NURSING:** It is an approved and accredited institution by appropriate educational authorities to train students on practical nursing skills, knowledge, and clinical experience needed to become a registered nurse.

METHODOLOGY

The study adopted a descriptive study non- experimental design to assess the perception of student nurses towards nursing informatics in two selected colleges of nursing in Kogi State. The research was carried out in selected school (UEC College of Nursing Ochadamu and NANA College of Nursing Anyigba in Kogi State). The researcher got the total number of student Nurses from two selected College of Nursing in Kogi State. the estimated number of students Nurses within the two selected Colleges of Nursing is 518. Taro Yammane's formula and convenience sampling technique was used to select 226 respondents

A well-structured self -administered questionnaire was developed from the literature review to obtain data from the respondents and given to project supervisor for corrections to ensure validity. The questionnaire was divided into four (4)sections. Section A contains six (6) items on demographic data. Section B contains eight (8) items on knowledge of nursing informatics among nursing students in two selected college of nursing, kogi state, Section C contains five (5) items on perception of the students nurses towards nursing informatics in the above selected college and Section D contains six (6) on Factors militating against the use of nursing informatics in the above selected college .The questioner suited the objectives and research question and boxes where provided in front of each questions where respondent will tick his or her choice out of the option and all the question where close ended questions. This structured questionnaire was presented to the project supervisor' where correction and modification was made. Having validated the structured questionnaire prepared by the researcher, corrections were made by the project supervisor and effected before testing the reliability of the instrument. The reliability of the instrument was tested using a test-retest method. Data was collected majorly from the student nurses of the colleges through personal interaction with the permission from the colleges research committee, the questionnaires were administered personally to the various respondent from various classes in the college. All the questionnaires distributed were retrieved and found suitable for entry and analysis. Data was analyzed using frequency and percentage while results were presented in tables. Ethical approval was obtained from the institution authority and informed consent was signed by respondents. They were also assured that information gather will be treated confidentially and that study was purely for academics purpose and each section is relevant to the topic of the research and where expressed in simple terms

RESULTS

This section dealt with presentation of data and analysis of data collection from the questionniare distributed to 226 respondents and were analysed using simple percentage table.

DATA PRESENTATION

SECTION A; DEMOGRAPHICAL DATA

TABLE 1

Variables	Categories	Frequency	Percentage(%)
Gender of respondents	Male	86	38.1
	Female	140	61.9
	Both	0	0
	Total	226	100
Age	15-20	76	33.6
	21-30	110	48.8
	30-40	40	17.6
	Total	226	100
Religion	Christian	160	70.8
	Islam	66	29.2
	Pegan	0	0
	Total	226	100
Marital status	Single	200	88.5

	Married	24	10.6
	Divorced	2	0.9
	Total	226	100
Educational level	Year 1	60	26.6
	Year 2	90	39.8
	Year 3	76	33.6
	Total	226	100
How long have you been in college of nursing	1-1 Years	60	26.6
	1-2 years	90	39.8
	1-3 years	70	30.9
	1-4 Years	6	2.7
	Total	226	100

SOURCE: FIELD SURVEY 2023

The data in variable 1 shows that 86 (38.1%) of the respondents are male, 140 (61.9%) are female while 0(0%) were both male and female. It shows that most of the respondents are female.

The data in variable 2 shows that 76 (33.6%) of the respondents are 15-20 years of age, 110 (48.8%) 21-30 years and 40 (17.6%) 30-40 years of age. It shows that most of the respondents are between the age of 21-30 years.

The data in variable 3 shows that 160 (70.8%) of the respondents are Christian and 66(29.2%) are muslim with no response in any other religion .majority are Christians.

The data in variable 4 shows that 200 (88.5%) of the respondents are single, 24(10.6%) are married and 2(0.9%) are divorced. It shows that most of the respondents are single.

The data in variable 5 shows that 60 (26.6%) of the respondents are in year 1, 90(39.8%) are in year 2 and 76(33.6%) are in year 3.The result shows that most of the respondent are in year2.

The data in variable 6 shows that 60 (26.6%) of the respondents have spent 0-1 year, 90 (39.8%) spent 0-2 years, 70(30.9%) spent 0-3 years and 6(2.7%) spent 0-4 years. The result shows that most of the respondents have spent 0-3 years in college of nursing.

TABLE 4.2; SECTION B; KNOWLEDGE OF NURSING INFORMATICS AMONG STUDENT NURSES IN TWO SELECTED COLLEGES OF NURSING, KOGI STATE

SUBJECT	RESPONSE	FREQUENCY	PERCENTAGE (%)
Have you heard of nursing informatics before	Yes	166	73.4
	No	60	26.6
	Total	226	100
Do you receive information from social media	Yes	66	29.2
	No	160	70.8
	Total	226	100
Do you receive information from your class room or clinical settings	Yes	100	44.2
	No	126	55.8
	Total	226	100
Nursing informatics define as a specialty that Intergrates nursing science, computer science and information science to manage and communicate data, information, and	Yes	166	73.4
	No	60	26.6
	Total	226	100

wisdom in nursing practice, education and administrative			
Nursing science, information and computer science are the major component of nursing informatics	Yes	166	73.4
	No	60	26.6
	Total	226	100
Does nursing informatics provides appropriate data for clinical nurses in decision making process when providing care for their patient	Yes	186	82.3
	No	40	17.7
	Total	226	100
Does student need computer skill to improve their knowledge on nursing informatics	Yes	200	88.5
	No	26	11.5
	Total	226	100
Do you have interest in the in the study of nursing informatics	Yes	220	97.3
	No	6	2.7
	Total	226	100

SOURCE: FIELD SURVEY 2023

The table 4.2 shows that 166(73.4%) have heard of nursing informatics while 60(26.6%) of respondent have not heard of nursing informatics. The result shows that most of the respondents have heard of nursing informatics.

66(29.2%) receive information from social media and 160(70.8%) do not. The result shows that most of the respondents do not receive information from social media.

100(44.2%) receive information from class room or clinical settings and 126(55.8%) do not receive information from class room or clinical settings. The result shows that most of the respondents do not receive information from class room or clinical settings.

166(73.4%) of the respondent agreed to the definition of nursing informatics and 60(26.6%) disagreed to the definition of nursing informatics. The result shows that most of the respondents answered agreed to the definition of nursing informatics.

166(73.4%) agreed that Nursing science, information and computer science are the major component of nursing informatics while 60(26.6%) disagreed.

186(82.3%) of the respondent agreed that nursing informatics provides appropriate data for clinical nurses in decision making process when providing care for their patient and 60(26.6%) of the respondent disagreed.

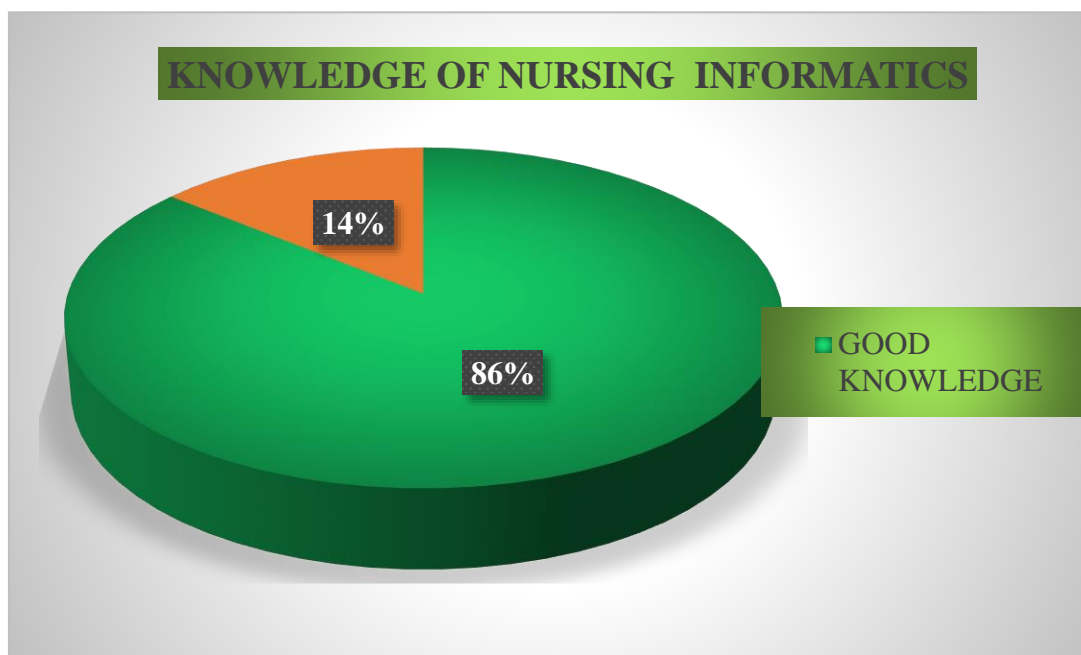
200(88.5%) agreed that student need computer skill to improve their knowledge on nursing informatics and 26(11.5%) of the respondents disagreed.

222(96.2%) have interest in the study of nursing informatics and 4 (1.8%) of the respondent have no interest in the study of nursing informatics.

Table 4.2.1: Overall Score on knowledge of nursing informatics

Knowledge level	Frequency (226)	Percentage (%)
Good Knowledge (%)	194	85.8
Poor Knowledge (%)	32	14.2

Source: Field Survey 2023



Figures 1: knowledge of nursing informatics among student nurses

Table 4.2.1 shows the overall score on knowledge of nursing informatics among student nurses. The overall table shows that 194(85.8%) of the student nurses have good knowledge of nursing informatics while 32(14.2%) of the student nurses shown poor knowledge respectively.

TABLE 4.3; SECTION C; PERCEPTION OF STUDENT NURSES TOWARDS NURSING INFORMATICS IN TWO SELECTED COLLEGES OF NURSING, KOGI STATE

SUBJECT	SA	A	SD	D	TOTAL
Do you think nursing informatics can improve the of nursing care	200	26	0	0	226
Percentage %	88.5	11.5	0	0	100
Do you think nursing informatics can provide the necessary information you need to know	100	62	14	50	226
Percentage %	44.2	27.4	6.3	22.1	100
Do you think nursing informatics can improve the method of data collection	26	190	0	10	226
Percentage %	11.6	88.1	0	0.3	100
Does non availability of resources affect nursing informatics	180	46	0	0	226
Percentage %	79.6	20.3	0	0	100
Do you think lack of maintenance affect the utilization of nursing informatics	160	40	0	26	226
Percentage %	70.7	18.0	0	11.3	100

SOURCE: FIELD SURVEY 2023

The table 4.3 shows that 200(88.5%) of the respondent strongly agreed that nursing informatics can improve the quality of nursing care and 26(11.5%) disagree that it can't improve the quality of nursing care.

100(44.2%) strongly agree that nursing informatics can provide necessary information they need to know, 62(27.4%) agree to that,14(6.3%) disagree and 50(22.1%) strongly disagree.

26(11.6%) strongly agreed that nursing informatics can improve the method of data collection,190 (88.1%) agreed while 10(0.3%) disagreed.

180(79.6%) strongly agreed that non availability of resources affect nursing informatics,46(20.3%) agreed while 0(0%) disagreed.

160 (70.7%) of respondent think that lack of maintenance affect the utilization of nursing informatics,40(18.0%) agreed and 26(11.3%) disagreed.

Table 4.3.1: Overall Score on perception of student nurses towards nursing informatics

Mean Score on Acceptance Mean SD	Frequency (226)	Percentage (%)
Positive perception (%)	219	96.9
Negative perception (%)	7	3.1

Source: Field Survey 2023

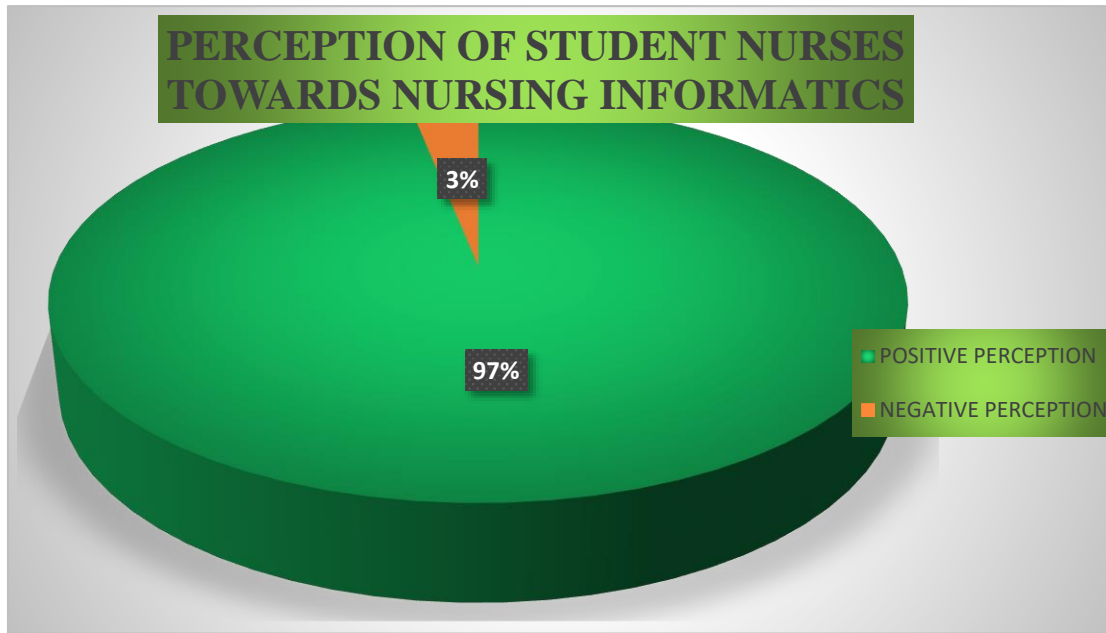


Figure 2 Overall Score on perception of student nurses towards nursing informatics Table 4.3.1 Shows the overall score on perception of student nurses towards nursing informatics. The overall table shows that 219(96.9%) of the student nurses have positive perception towards nursing informatics while 7(3.1%) have negative perception respectively.

TABLE 4.4; SECTION D; FACTORS MILITATING AGAINST THE USE OF NURSING INFORMATICS

SUBJECT	RESPONSE	FREQUENCY	PERCENTAGE(%)
Does poor power supply affect the use of nursing informatics	Yes	224	99.1
	No	2	0.9
	Total	226	100
Does failure to accept new technology affect nursing informatics	Yes	226	100
	No	0	0
	Total	226	100
Does poor internet service have impact	Yes	226	100
	No	0	0
	Total	226	100
Does lack of financial support militate against the use of informatics	Yes	226	100
	No	0	0
	Total	226	100

Do lack of technical knowledge hinders the utilization of nursing informatics	Yes	226	100
	No	0	0
	Total	226	226
Does hospital and government support affect nursing informatics	Yes	222	98.2
	No	4	1.8
	Total	226	100

SOURCE: FIELD SURVEY 2023

The table 4.4 shows that 224(99.1%) of the respondent agreed that poor power supply affect the use of nursing informatics and 2(0.9%) disagree,226(100%) agree that failure to accept new technology affect nursing informatics,226(100%) agreed that poor internet service have impact on nursing informatics,226(100%) agreed that lack of financial support militate against the use of nursing informatics, 226(100%) agreed that lack of technical knowledge hinders the utilization of nursing informatics and. 226(100%) agreed that hospital and government support affect nursing informatics.

SUMMARY OF FINDINGS.

Two hundred and twenty six 226(100%) respondents answered the question from the data analysed, It shows that most of the respondents are female between the age of 21-30 years, 160 (70.8%) of the respondents are Christian, 200 (88.5%) of the respondents are single, 190(39.8%) are in year 2, 70(30.9%) have spend 0-3 years in college of nursing.

The table 4.2 findings shows that most of the respondents of 166(73.4%) have heard of nursing informatics, 160(70.8%) do not receive information from social media, 126(55.8%) do not receive information from class room or clinical settings, 166(73.4%) of the respondent agreed to the definition of nursing informatics,166(73.4%) agreed that Nursing science, information and computer science are the major component of nursing informatics . 186(82.3%) of the respondent agreed that nursing informatics provides appropriate data for clinical nurses in decision making process when providing care for their patient, 200(88.5%) agreed that student need computer skill to improve their knowledge on nursing informatics and 222(96.2%) have interest in the study of nursing informatics.

The table 4.3; shows that majority of the respondents of 200(88.5%) strongly agreed that nursing informatics can improve the quality of nursing care,. 100(44.2%) strongly agree that nursing informatics can provide necessary information they need to know,190 (88.1%) agreed that non availability of resources affect nursing informatics and 160 (70.7%) of respondent think that lack of maintenance affect the utilization of nursing informatics.

The table 4.4 shows that 224(99.1%) of the respondent agreed that poor power supply affect the use of nursing informatics,226(100%) agree that failure to accept new technology affect nursing informatics,226(100%) agreed that poor internet service have impact on nursing informatics,226(100%) agreed that lack of financial support militate against the use of nursing informatics, 226(100%) agreed that lack of technical knowledge hinders the utilization of nursing informatics and. 226(100%) agreed that hospital and government support affect nursing informatics

DISCUSSION OF THE RESEARCH FINDINGS

This section summarizes the discussion of findings, show the relationship of the research to other studies and the implication to nursing. It also summarizes the whole chapter showing the conclusion and recommendations. The study is based on the perception of student nurses towards nursing informatics in two selected Colleges of nursing in kogi state.

**RESEARCH QUESTION 1
 KNOWLEDGE OF NURSING INFORMATICS**

According to the study it was observed that 166(73.4%) have heard of nursing informatics while 60(26.6%) of respondents have not heard. The result shows that most of the respondents have heard of nursing informatics. It was also discovered that 66(29.2%) receive information from social media and 160(70.8%) do not. 100(44.2%) receive information from class room or clinical settings and 126(55.8%) do not receive information from class room or clinical settings. The result shows that most of the respondents do not receive information from class room or clinical setting. 186(82.3%) of the respondent agreed that nursing informatics provides appropriate data for clinical nurses in decision making process when providing care for their patient and 60(26.6%) of the respondent disagreed. 200(88.5%) agreed that student need computer skill to improve their knowledge on nursing informatics and 26(11.5%) of the respondents disagreed.

This study is similar to that of Lynne & Bryant(2016) who documented that most of the respondent have the knowledge of nursing informatics. . The result showed that knowledge of Nursing informatics is important to all nursing specialty areas. It is important for nurses to understand the relevance of nursing informatics to their practice. In clinical practice, for example, nursing informatics can be used to track patient outcomes, find data trends, and assess workload and interventions. It also can help develop technologies, such as apps, to help health care workers virtually monitor and stay in touch with patients.

RESEARCH QUESTION 2

PERCEPTION OF STUDENT NURSES

From the study, 200(88.5%) of the respondent strongly agreed that nursing informatics can improve the quality of nursing care and 26(11.5%) disagree that it can't improve the quality of nursing care. 160 (70.7%) of respondent think that lack of maintenance affect the utilization of nursing informatics,40(18.0%) agreed and 26(11.3%) disagree 100(44.2%) strongly agree that nursing informatics can provide necessary information they need to know, 62(27.4%) agree to that,14(6.3%) disagree and 50(22.1%) strongly disagree.26(11.6%) strongly agreed that nursing informatics can improve the method of data collection,190 (88.1%) agreed while 10(0.3%) disagree.

This study is similar to that of Amal&Elewa (2017) Nursing students highly perceived importance of informatics application in healthcare and education. There was statistical significant difference between nursing students perception regarding nursing informatics by their academic year, students educational needs include application of informatics in education, tele-medicine, ethics of informatics and hospital information system. perceptions about their internal and external resources in nursing informatics. Nursing students perceive that their internal and external resources necessary to ensure "knowledge to act" in nursing informatics is moderately high. They said they lacked knowledge about using spreadsheet programs, presentation software, and courseware, about data security, and about how to analyze the quality of a health-related Web site and search electronic scientific database. These results show that, even if nursing students have access to a computer and the Internet at home and even if they feel competent using informatics in nursing, they still lack important resources for developing competencies in nursing informatics. We recommend that faculties and colleges focus on these elements

RESEARCH QUESTION 3

FACTORS MILITATING AGAINST THE USE OF NURSING INFORMATICS

Table 4.4 of the study shows that 224(99.1%) of the respondent agreed that poor power supply affect the use of nursing informatics,226(100%) agree that failure to accept new technology affect nursing informatics,226(100%) agreed that poor internet service have impact on nursing informatics,226(100%) agreed that lack of financial support militate against the use of nursing informatics, 226(100%) agreed that lack of technical knowledge hinders the utilization of nursing informatics and. 226(100%) agreed that hospital and government support affect nursing informatics. Iyanuoluwa, et al., (2021) conducted a research on factor militating against the use of information technology among nurses. Multiple factors have been found to militate against adoption of information technology in healthcare especially by nurses. It is therefore imperative that concerned stakeholders take

appropriate actions to provide adequate ICT facilities in their settings in order to aid better patient Management.

LIMITAION OF THE STUDY

The demanding schedule of respondents made it very difficult getting the respondents to participate in the survey. As a result, retrieving copies of questionnaire in timely fashion was very challenging. Also, the researcher is a student and therefore has limited time as well as resources in covering extensive literature available in conducting this research.

IMPLICATIONS OF FINDINGS TO NURSING/MIDWIFERY

The nursing implication of this study is that project development content prepares students to conduct rigorous usability testing, provide appropriate system training and adopt quality improvement models to evaluate the effectiveness and accuracy of automated system and emphasis on communication, information needs. The school should work together with system designers to expand the development of collaborative, safety related to improve the knowledge of nursing informatics among students.

SUMMARY OF THE STUDY

This study investigated the perception of student nurses towards nursing informatics in two selected colleges of nursing in Kogi state. Chapter one deals with introduction of the topic, objective of the study, significance of the study, statement of the problem, research question, scope of the study, limitation and operational terms were used in this research, chapter two looks at the view of others in relation to the topic of the research, chapter three dealt with the methodology of the research and chapter 4 dealt with data analysis. The descriptive survey research design was adopted in the study. A sample of 226 respondents was selected from a population of 518 using convenience sampling techniques where the researchers use personal decision to determine the members of the population that is convenient and accessible. The method of data collection was questionnaire which were distributed and all returned. Data obtained was analysed using frequency tables and percentage.

CONCLUSION

Nursing informatics is define as a specialty that integrates nursing science, computer science and information science to manage and communicate data, information, knowledge and wisdom in nursing practice, education and administrative. The objective of the study was to assess the knowledge and perception of student nurses towards nursing informatics and also to assess factors militating against the use of nursing informatics. From the findings it was discovered that a good percentage of nursing student have good knowledge about nursing informatics. The research work looked at the factors militating against the use of nursing informatics which are poor power supply, failure to accept new technology, poor internet service, lack of financial support, lack of technical knowledge, hospital and government support affect nursing informatics..

They are many component of nursing informatics, the major component include nursing science, information science and computer science .Data, information and knowledge are key concept of nursing informatics and helps in understanding clinical information systems and their impact on health care. Patient safety is a primary concern of any health care provider, and nurses are often on the front lines of ensuring that their patients are kept safe and preventing medication errors, misdiagnoses, falls, and other problems. Nursing informatics provides important data that can prevent these errors; for example, an electronic record can provide information about a possible dangerous medication interaction or allergy that might not otherwise be immediately apparent. Armed with data, which translate into information and knowledge for nurses can make quick decisions that would keep patients. The study adopted a descriptive study non- experimental design to assess the perception of student nurses towards nursing informatics in two selected college of nursing in Kogi State.

Data was collected majorly from the student nurses of the colleges through personal interaction with the permission from the colleges research committee, the questionnaires were administered personally to the various respondent from various classes in the college. All 226 questionnaire were administered and recovered. Data were collected and analysed, summary and recommendation were presented.

RECOMMENDATIONS

In the light of the findings of this study, the following recommendations were made:

1. They should be introduction of formal nursing informatics training and integration of nursing informatics skills as strands in clinical training will help prepare nursing students for the application and use in nursing practice.
2. Students need and expectation in a technology-mediated learning environment should be taken in to consideration by nurse educators with an emphasis on developing their ICT skills and encouraging them to use computers and internet as tools for learning nursing informatics.
3. Equipping nursing students with the require knowledge and skills to use new and emerging tools will support their nursing practice within the clinical environment as a students, and result in competent nurse graduate entering the work place.
4. They should be Provision of periodic and effective training program for nurses regarding using of information technology skills.
5. They should be availability of computer to all students nurses and ensure all system in the computer work effectively in other to achieve the desire outcome.

SUGGESTIONS FOR FURTHER STUDIES

This study serves as a basis for further research study on perception of student nurses towards nursing informatics, the researchers suggest that this study should be conducted in other colleges of nursing.

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APPENDIX

QUESTIONNAIRE

PERCEPTION OF STUDENT NURSES TOWARDS NURSING INFORMATICS IN TWO SELECTED COLLEGE OF NURSING IN KOGI STATE

The purpose of the questionnaire is for you to supply all necessary information required to complete my research work. This research work is purely academic purpose and your response will be treated confidential.

Thanks for your cooperation

INSTRUCTION: Please the following statements carefully and tick the box that best suit your opinion

SECTION A; DEMOGRAPHIC DATA

1. Sex: (a) male () (b) female () (c) Both ()
2. Age: (a)15-20 () (b) 21-30 () (c) 30-40 ()
3. Religion: (a) Christian () (b) Islam () (c) pegan
4. Marital status : (a)single () (b)married () (c)Divorce ()
5. Education level (a) year 1 () (b) year 2 () (c) year 3 ()
6. How long have you been in college of nursing :(a): 0-1 year () (b) 0-2 years () (c) 0-3 years () (d) 0-4years ()

SECTION B : The knowledge of nursing informatics among nurses in two selected college of nursing, Kogi state

SUBJECT	YES	No
Have you heard of nursing informatics before		
Do you receive information from your parent or friends		
Do you receive information from your class room		
Nursing informatics define as a specialty that integrates nursing science, computer science and information science to manage and communicate data, information, knowledge and wisdom in nursing practice, education and administrative		
Nursing science, information science and computer science are the major component of nursing informatics		
does nursing informatics perform a significant role in nursing profession		
does student need computer skill to improve their knowledge on nursing informatics		
Do you have interest in the study of nursing informatics		

SECTION C : The perception of students Nurses towards nursing informatics in two selected college of nursing, Kogi state

SUBJECT	S.A	A	S.D	D
Do you think nursing informatics can improve the quality of nursing care				
Do you think nursing informatics can provide the necessary				

information you need to know				
Do you think nursing informatics can improve the method of data collection				
Does non availability of resources affect nursing informatics				
Do you think lack of mentainance affect the utilization of nursing informatics				

SECTION D : Factors militating against the use of nursing informatics in two selected college of nursing,kogi state

Tick possible Factor militating against the use of nursing informatics.

SUBJECT	YES	NO
Does Poor power supply affect the use of nursing informatics		
Does Failure to accept new technology affect nursing informatics		
Do Poor internet service have impact on nursing informatics		
Does lack of financial support militate against the use of informatics		
Do Lack of technical knowledge hinders the utilization		
Does Poor maintenance affect nursing informatics		

