



Assessment of importance use computer technology in nursing development

A Research Project

**Was Submitted to the Council of the College of Nursing at
the University of Basra as Partial Fulfillment of the
Requirements for the Degree of Baccalaureate in Nursing
Science**

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بِسْمِ اللَّهِ الرَّحْمَنِ الرَّحِيمِ

فَلْيَايِسْ لِمَنْ يَمُنُّ بِالْآخِرَةِ
وَالَّذِينَ آمَنُوا وَالَّذِينَ هُمْ
يَعْلَمُونَ

صَدَقَ اللَّهُ عَظِيمًا

Supervisor's support

I certify that this project of research

" The importance of computer technology in nursing development

Was prepared under my supervision at the college of nursing,

University of Basra as partial fulfillment of the requirements for

The degree of baccalaureate in the nursing science

Ass. Prof Dr. Wasfi Dhahir Abid Ali

Supervisor

University of Basra

Nursing college

2022

الإهداء

إلى أبي العطوف.... قدوتي، ومثلي الأعلى في الحياة؛ فهو من علّمني كيف أعيش بكرامة وشموخ.
إلى أمي الحنوننة..... لا أجد كلمات يمكن أن تمنحها حقها، فهي ملحمة الحب وفرحة العمر، ومثال
التفاني والعطاء.

و الى ارواح الشهداء ادخلهم الله في جنات الخلد

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Also we would like to thanks all nurses whom precipitated in the study.

Abstract

The current study is a descriptive study conducted at the College of Nursing at the University of Basra for the period from October 2021 to April 2022

Background of study: Electronic health records help nurses communicate more efficiently by eliminating most misinterpretations of written and verbal orders. As well as nurses can create and manage electronic health records and update them, as needed.

Methodology: To achieve the goal of the study, a two-axis questionnaire was designed. The first axis included demographic information and included gender, educational level and years of experience. The second axis included information about the importance of using computer technology in the follow-up and documentation of patient care. (102) nurses (male and female) from Basrah Teaching Hospital and Al-Fayha Teaching Hospital. with different educational levels and experiences. the collected data collected and analyzed manually to observed the percentage and mean of score and significance.

The result: result showed that the percentage of male was (35%),female (64%) , secondary school was(24%),medical institute (35%). Bsc. (29%).1-5 years of experience was (59%),6-10 years (14%). 11-15 years (8%). more than 15 years (12%).

On other hand 50% of questions answers were significant concerning use of computer technology in health and 90% of the particepitants

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abbreviations

IT(=information technology).

CA(=computer audition).

ICU (= intensive care unit).

1-1 Introduction

Nurses work closely with doctors and other medical professionals to manage and implement healthcare plans for patients. In today's medical facilities, nurses must have a good grasp of how computers are used in the nursing profession. In most instances, medical staff no longer need to decode doctor's orders and patient needs that were written on a bedside medical chart. Electronic health records help doctors and nurses communicate more efficiently by eliminating most misinterpretations of written and verbal orders. Using computers, smartphones and tablets, nurses can create and manage electronic health records and update them, as needed (**Carol 2018**). In today's healthcare system, information technology is the foundation of the future. Healthcare modernization is best visualized if we compare how we were thirty years ago and where we are today. The need for improvement was the driving force behind the evolution of computers in healthcare.(**Cristina et al.,2021**). The increased use of IT by healthcare services has required the acquisition of knowledge on the efficient use of IT tools by health professionals, as well as its integration into daily practice (**Duplaga et al., 2013**).

1-2 Important of study

The importance of the research project comes as the uses of information technology take a large part in the administrative as well as health aspects of documenting and exchanging medical information to provide the fastest nursing care.

documenting and exchanging medical information to provide the fastest nursing care.

1-3 Aim of the study

The study aims to

- 1- Assessment of nurses' knowledge of the importance of using computer technology in the field of nursing
- 2- The extent of nurses' interest in electronic documentation of their patients.
- 3- Recommending data from the results of the study to be used in urging the use of computer technology in health care within health institutions

2-1 Information technology

With the use of IT in health care, electronic records can be structured from a basic data summary in order to create systems that are based on the best evidence and that support clinical decision, which can contribute for patients' quality of life and safety and speed up decision-making, thus harmonizing actions (**Sousa *et al.*, 2013**).

Although there are studies focused on computer use for teaching and nursing practice, recent publications which assess the perception of nurses on computer use are not usually found. (**Fonseca and , Brennan 2021**) This is probably due to the fact that this step has already been taken in developed countries, (**Hannah *et al.*, 2009**).

2-2 Perception of positive aspects of computer use

Easy access to information with the computer was one of the factors that stood out and was related to quicker decision-making and care, as well as fewer displacements within the service. This is due to the fact that, when forms are filled in manually, the information systems and the way data are transferred and moved require more time and human resources (**Hannah *et al.*, 2009**). computer use speeds up the care process, as a result of less time spent with displacements of staff between different services. This is important because, in some pathological conditions such as severe sepsis and septic shock, the speed of therapeutic suitability is essential for the patient's survival. (**Dellinger *et al.*, 2013**).

In addition, the decreased displacement of staff reduces the transit of persons within the hospital, and this is recommended as a measure of infection control related to health care.

Correia *et al.*,(2012) stated that computer use allows for a better and closer care of patients and relatives; as a result, it is possible to improve reception and listening, which are elements that are part of humanized and patient-oriented care. Similar results were found in a study carried out with 34 nurses of ICUs from a general hospital in São Paulo, in which it was observed that computer use resulted in more time available for planning and active participation of professionals in direct care of patients, as time spent with bureaucratic activities and obtaining information was reduced .

2-3 Perception of negative aspects of computer use

The difficulty in using desktop computers is due to the distance between the machine and the patient, which requires nurses to move away to take notes, thus preventing them from doing it where care is being provided.¹ Even if nurses stick to the fact that data accuracy is ensured, by reviewing each patient's observations, using desktop computers is still a problem because of the time wasted in displacements between the nursing room and the patient's bed. In that sense, a possible alternative is the use of palmtops with wireless remote access. (**Bassendowski *et al.*, 2013**)

Moreover, it is important to observe that the consolidation of nursing notes takes place at one single moment. Although this does not seem to be a major concern for Nurse 8, it can result in greater risks of mistakes in information about patients and failure to indicate the exact moment of intervention, which can consequently raise doubts regarding data legitimacy (Azevedo et al., 2021).

2-4 Evaluation of computerization at work

The systematized functioning and networking of all caregiving processes is an important measure, as real-time access to information surely reduces double work and facilitates decision-making. Although some authors have been reporting for nearly a decade that the concern of nursing regarding IT is focused on language and comprehension of clinical judgment²³, matters related to the implementation and use of computers by nurses need to be further explored and investigated, in order to enlighten all the possible uses, evaluating the progress and bottlenecks, thus allowing for better decision-making and actions with greater chances of success. (Évora et al., 2013).

2-5 Uses of computers in medical care

The six common, use in computer are:

1- .Computers for Medication and Treatment

Computers have revolutionized the way medication is administered and diagnosing medical treatment required. With access to accurate patient records, doctors and nurses can review an individual's full medical history in detail, enabling them to diagnose, treat, and administer medications in a timely manner.

2- .Computers for Security and Organized Record Keeping

A computer network is a far more secure way to store and organize patient records.

3- .Computers for Every Room

Medical staff can quickly access patient records, or hook up other equipment to a computer, to perform their duties and still have full mobility around a room.

4- .Computers for Offsite Care

Having access to patient information, especially when not in the hospital is crucial for ensuring there are no errors when treating a patient in their home.

5- .Computers for Surgical Procedures

The use of computers in operating theaters is helping save lives. Surgeons rely on computer systems for performing intricate procedures and monitoring the wellbeing of their patients. Mobile computer stands play a key role in the success of surgical procedures.

2-6. Computers for Communication and Inventory Management

Computers enable better communication across different hospital departments, allowing them to quickly share updates or medical research. Doctors and nurses can also access the internet for information shared by their peers on conditions they are perhaps unfamiliar with, but others in their profession have treated. **(scott-clark. 2019)**

2-7. Computer use in nursing

Computers in nursing practice. A comparison of the attitudes of nurses and nursing students.

This study was undertaken to compare the attitudes of nurses and nursing students toward computer use in nursing practice and to clarify factors that influence these attitudes. Three factors within the student sample were examined: changes over time, prior experience with computers, and attitudes toward technology in general. Second, the attitudes of the nursing students were compared with those of a sample of practicing nurses. Finally, the multidimensional structure of Strong's attitude scale was analysed. A total of 353 sophomore nursing students and 358 staff nurses participated in the study. The analysis produced a refined 17-item attitude scale composed of three identifiable subscales: computers and patient care, computers and personal security, and general attitude. It was found that students had less

experience with computers than the investigators had anticipated, and there was little change over three successive cohorts of students. However, in general, students' attitudes toward computer use in nursing were positive, and the more computer experience students had, the more positive their attitudes. The attitudes of the practicing nurses also were generally positive, but differences between students and nurses were observed. .(**Cristina et al.,2021**).

The use of computers in nursing has been significantly increased:

The innovation in computer technology and development in medicines has provided many improved techniques in the nursing field. The nurses along with doctors can make detailed plans for the patient's healthcare. The computers have helped in the monitoring of the patient within any location of the organization. Better diagnosis techniques help in the early detection of diseases. Advance labs with computer-assisted technology have played wonders in diagnosis and detection.

Healthcare has become inseparable from computer-assisted technology and so in nursing. Nursing requires computer aid for better care and treatment of the patient .(**Dashboard, 2017**).

3-1 Methodology

This study was across-sectional Involving (102) nurses (male and female in Basra hospitals). To achieve the aim of the questionnaire was designed translated to Arabic language to Assessment of nurses' knowledge of the Importance of using computer technology in the field of nursing.

3-2 Study station

The project Implemented In the College of Nursing - University of Basrah - Basrah Hospitals (Basra Teaching Hospital and Al-Fayha Teaching Hospital) study starts from November2021 to date April 2022

3-3 Samples from the study

One hundred and two nurses participated the questionnaire to know how much nurses care about the electronic documentation of their patients

3-4 :Project In Instruments

Questionnaire was comprised of questions taken by written Before Introduction this items distributed for teachers of college.

It divided In to Main parts, the first parts was to identify the socio-demographic characteristic include gender, education level, years of experience

The second part is eighteen paragraphs of a questionnaire to Assessment of nurses' knowledge of the Importance of using computer technology in the field of nursing. All nurses answered (18) questions through a paper .questionnaire and sent the questionnaire on the Internet via Google .

3-5 Statistical data analysis

For data analysis

Percentage

Frequency

Mean of score are $(1+2/2)-3/2 =1.5$

4-1 Demographic

Tablet (1) : The frequent and percentage regarding Demographic information

	F	%
Gender		
Male	36	35%
female	66	64%
Education level		
Nursing secondary school	25	24%
Diploma	36	35%
Baccalaureas	30	29%
High study	1	0.9%
Years of experience		
1-5	61	59%
6-10	15	14%
11-15	9	8%
15	13	12%
Total		

Table (1) showed that the percentage of male was (35%). While female was (64%) , the percentage of nursing secondary school was(24%). While medical institute was (35%). While nursing college was (29%). While high study was (0.9%), the percentage 1-5 years was (59%). While 6-10 years was (14%). While 11-15 years (8%). While more than 15 years (12%).

4-2 Table (2) The importance of computer technology in nursing development

NO	Questionnaire	Yes		No		MS	S
		F	%	F	%		
1	Do you record on the electronic health record the client personal health-care history?	49	48%	51	50%	1.46	NS
2	Do you Obtain information to ensure the best care is provided?	70	68%	30	29%	1.66	S
3	Are the nurses Review data about current and past health situation helps them to monitor recovery process over time?	57	55%	41	40%	1.51	S
4	Do you Access clinical knowledge?	51	50%	37	36%	1.36	NS
5	Do you use computers similar to those that you use at home or at work?	45	44%	54	52%	1.41	NS
6	Are you use software programs to support the work of nurses ?	56	54%	28	27%	1.37	NS
7	Do you use a small hand held computer known as Personal Digital Assistants ?	52	50%	48	47%	1.49	NS
8	Have you variety of computer devices in use ?	41	40%	34	33%	1.13	NS
9	Are Mobile computers uses work from a wireless system which enables them to retrieve and store information remotely from the main computer?	58	56%	44	43%	1.56	S

10	Do you use A mobile or handheld computer allows nurses to access your chart or record,?	54	52%	50	49%	1.54	S
11	Do computers and related information technology help you to provide new care?	45	44%	57	55%	1.44	NS
12	Do computers help you about your health or illness and your treatment plan?	46	45%	52	50%	1.411	NS
13	Is help computers help you to search drug ?	90	88%	12	11%	1.88	S
14	Do you enter the same health care information and notes into the paper graph?	72	70%	31	30%	1.71	S
15	Do AI nurses and other members of the healthcare team use a computer?	22	21%	82	80%	1.23	NS
16	Is widespread use of computers usually important to all members team?	77	75%	24	23%	1.74	S
17	Do some healthcare organizations have patient portals rich in useful information?	76	74%	25	24%	1.73	S
18	Does you offer to use computer technology in nursing work?	91	89%	11	10%	1.89	S
	The total	1052	58.4%	711	39.5%	1.52	S

Table (2) showed Do you record on the electronic health record

the client personal health-care history? Yes was (48%). While no was (50%). While Do you Obtain information to ensure the best care is provided? Yes was(68%). While no was (29%). While Are the nurses Review data about current and past health situation helps them to monitor recovery process over time? Yes was (55%). While no was (29%). Are the nurses Review data about current and past health situation helps them to monitor recovery process over time? Yes was (55%). While no was (40%).

While Do you Access clinical knowledge ? Yes was (50%). While no was (33%). Do you use computers similar to those that you use at home or at work? Yes was(44%). While no was (52%). Are you use software programs to support the work of nurses ? Yes was (54%). While no was (27%). While Do you use a small hand held computer known as Personal Digital Assistants ? Yes was (50%). While no was (47%). While Have you variety of computer devices in use ? yes was (40%) while no was (33%). While Mobile computers uses work from a wireless system which enables them to retrieve and store information remotely from the main computer? Yes was (56%). While no was (43%). While Do you use A mobile or handheld computer allows nurses to access your chart or record,? Yes was (52%). While no was (49%). While Do computers and related information technology help you to provide new care? Yes was (44%). While no was (55%). While Do computers help you about your health or illness and your treatment plan? Yes was(45%). While no was (50%). While Is help computers help you to search drug? Yes was (88%). While no was (11%). While Do you enter the same health care information and notes into the paper graph? Yes was (70%). While no was (30%) . while Do AI nurses and other members of the healthcare team use a computer? Yes was (21%). While no was (80%). While Is widespread use of computers usually important to all members team? Yes was (75%). While no was (23%). While Do some healthcare organizations have patient portals rich in useful information? Yes was (74%). While no was (24%). While Does you offer to

use computer technology in nursing work? Yes was (89%). While no was (10%).

Computers are becoming increasingly popular every passing day amongst a wide section of people. computers have reached our homes. Computers have undoubtedly revolutionized our whole life style. Computer techniques have tremendous applications in medical field, where it has the largest amount of social impact. Computers are playing an important role in the running of large hospitals.

Data of the present study table (2) showed that the percentage of male was (35%). While female was (64%) This is due to the desire of women to practice the profession of nursing compared to men , Most of the participants in the survey are graduates of institutes and holders of a diploma was (35%), and (59%) of them have 1 to 5 year of experience .the reason for this is the large number of new appointments in hospitals .

Table (2) showed the 50% of the participants answers were significantly yes for the questions concerning the importance of using computer technology in nursing health care that insure the information technology to best quality of health care. **Selma *et al.*, (2014)** stated that nurses are exposed to the changing demands in technology as they execute their patient-related duties in the workplace. Integration of information technology (IT) in healthcare systems improves the quality of care

provided,(and found that there was a significant relationship was found between computer use in healthcare and the daily duration of daily computer use.**Kun *et al.*, (2020)**stated that computer audition(CA) for healthcare is a young and promising field that needs tremendous collaboration across different fields. During the recent COVID-19 pandemic, hospitals like the Houston Methodist relied on online platforms to allow patients to schedule coronavirus vaccine appointments online.(**Dashboard, 2017**).

6-1 Conclusions

The recent study concluded the followings:

- 1-Sixty six of the particepitants were female nurses.
- 2- Sixty one of the particepitants had one to five year of experience:
- 3-50% of questions answers were significant concerning use of computer technology .
- 4- 90% of the particepitants offer to use computer technology in nursing work.

6-2 Recommendation

Due to the importance of using Computer technology in many fields, including nursing care, so we recommend the following:

- 1-Urging the usage of computer technology in the field of nursing because of its importance in following up on the patient's condition
- 2-Adopting electronic records in documenting sick cases
- 3- Connecting hospital computers with the nursing staff electronic devises to speed communication and take quick measures

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Appendix (1)

قائمة الخبراء				
اسم الخبير	الشهادة	التخصص	مكان العمل	
1	ا.م.د سجاد سالم عيسى	الدكتوراه	طب الاسرة	كلية التمريض
2	ا.م.د محفوظ قالح حسن	الدكتوراه	الفسولوجيا	كلية التمريض
3	ا.م.د لؤي عبدالواحد شهاب	الدكتوراه	علوم حاسبات	كلية التمريض
4	ا. محمد مؤنس اسماعيل	Student. PhD	علوم حاسبات	كلية التمريض
5	ا.م.د سميرة محمد ابراهيم	الدكتوراه	طب مجتمع	كلية التمريض

Appendix (2)

Assessment questionnaire

The importance of computer technology in nursing development in
Basra hospitals

First: Demographic information:

Gender :

 Male Female

Educational level:

 Secondary Diplomat BSc MSc. Ph D.

Year of experience:

 1-5 6-10 15-11 15>

2- Information

NO.	Questions	Yes	NO
1	Do you record on the electronic health record the client personal health-care history? هل تسجل في السجل الصحي الإلكتروني للعميل تاريخ الرعاية الصحية الشخصية؟		
2	Do you Obtain information to ensure the best care is provided? هل تحصل على المعلومات لضمان تقديم أفضل رعاية؟		
3	Are the nurses Review data about current and past health situation helps them to monitor recovery process over time? هل تقوم الممرضات بمراجعة البيانات حول الوضع الصحي الحالي والماضي تساعدهم على مراقبة عملية التعافي بمرور الوقت؟		
4	Do you Access clinical knowledge ? هل تصل الكترونيا إلى المعرفة السريرية؟		
5	Do you use computers similar to those that you use at home or at work? هل تستخدم أجهزة كمبيوتر مشابهة لتلك التي تستخدمها في المنزل أو في العمل؟		
6	Are you use software programs to support the work of nurses ? هل من الممكن استخدام اجهزة الكمبيوتر والتقنيات الاخر في تطوير التمريض هل تستخدم برامج لدعم عمل الممرضات؟		
7	Do you use a small hand held computer known as Personal Digital Assistants ? هل تستخدم جهاز كمبيوتر صغير محمول باليد يعرف بالمساعدات الرقمية الشخصية؟		
8	Have you variety of computer devices in use ? هل لديك أجهزة الكترونية متنوعة قيد الاستخدام؟		

9	<p>Are Mobile computers uses work from a wireless system which enables them to retrieve and store information remotely from the main computer?</p> <p>هل تعمل استخدامات أجهزة الكمبيوتر المحمولة من نظام لاسلكي يتيح لها استرداد المعلومات وتخزينها عن بُعد من الكمبيوتر الرئيسي؟</p>		
10	<p>Do you use A mobile or handheld computer allows nurses to access your chart or record,?</p> <p>هل تستخدم جهاز كمبيوتر محمول أو نقال يسمح بالوصول إلى السجل الخاص بك،؟</p>		
11	<p>Do computers and related information technology help you to provide new care?</p> <p>هل تساعدك أجهزة الكمبيوتر وتقنيات المعلومات ذات الصلة في تقديم رعاية جديدة</p>		
12	<p>Do computers help you about your health or illness and your treatment plan?</p> <p>هل تساعدك أجهزة الكمبيوتر بشأن صحتك أو مرضك وخطة العلاج الخاصة بك؟</p>		
13	<p>Is help computers help you to search drug</p> <p>هل تساعد أجهزة الكمبيوتر في البحث عن الادوية؟</p>		
14	<p>Do you enter the same health care information and notes into the paper graph?</p> <p>هل تُدخل نفس معلومات وملاحظات الرعاية الصحية في السجل الورقي؟</p>		
15	<p>Do All nurses and other members of the healthcare team use a computer?</p> <p>هل يستخدم كافة أعضاء فريق الرعاية الصحية جهاز كمبيوتر؟</p>		
16	<p>Is widespread use of computers usually important to all members team?</p> <p>هل الاستخدام الواسع لأجهزة الكمبيوتر مهم لتواصل بفريق العمل؟</p>		
17	<p>Do some healthcare organizations have patient portals rich in useful information?</p> <p>هل تمتلك بعض مؤسسات الرعاية الصحية سجلات للمرضى غنية بالمعلومات المفيدة؟</p>		

18	Does you offer to use computer technology in nursing work? هل تفضل استخدام تكنولوجيا الكمبيوتر في أعمال التمريض؟		

Appendix (3)



وزارة الصحة
دائرة صحة البصرة
مركز التدريب والتنمية البشرية
لجنة البحوث

رقم القرار ٢٠٢١/١١٦
تاريخ القرار ٢٠٢١/١١/٢٥

قرار لجنة البحوث

درست لجنة البحوث في دائرة صحة البصرة مشروع البحث ذي الرقم (٤٨٦) المعلن:
(اهمية استخدام تكنولوجيا الحاسوب في مجال التمريض) والمقدم من الباحثات المشاركات (عهد كاظم- طيبة ماجد -
هبة غسان) دراسات اولية - كلية التمريض- جامعة البصرة
بتاريخ ٢٠٢١/١١/٢٥ وقررت:

"الموافقة على تنفيذ مشروع البحث بصيغته المقدمة ولأمانع من تنفيذه في مؤسسات الدائرة."


دائرة صحة البصرة
مركز التدريب والتنمية البشرية
لجنة البحوث

الطبيب الاختصاص
د. علي كاظم قاسم
مقرر لجنة البحوث / دائرة صحة البصرة
٢٠٢١ / ١٤ / ٢٠


دائرة صحة البصرة
مركز التدريب والتنمية البشرية
لجنة البحوث

الملاحظات:
لا يوجد

الملاحظات:
- تم تحويل رئيس لجنة البحوث او مقرر اللجنة للتوقيع على هذا القرار استنادا الى النظام الداخلي للجنة البحوث .
- الموافقة لدى ان مشروع البحث قد استوفى المعايير الاخلاقية والعلمية لإجراء بحث والمعتمدة في وزارة الصحة. اما التنفيذ فيعتمد على التزام الباحث بتعليمات المؤسسة الصحية التي سيقبل فيها البحث. وعلى الباحث التواصل مع مسئول البحوث في المؤسسة الصحية التي يجري بها البحث واتلاعه على مجريات البحث بشكل دوري ولحين انتهاء البحث.

العدد : ٨٧٩
التاريخ : ٢٠٢١/١١/٢٥



جمهورية العراق
وزارة الصحة
دائرة صحة البصرة
مكتب المدير العام
مركز التدريب والتنمية البشرية
شعبة ادارة المعرفة/البحوث

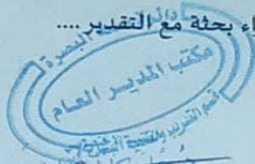
الى / م. البصرة التعليمي
م. الفيحاء التعليمي
م/ تسهيل مهمة

عقدت لجنة البحوث في دائرة صحة البصرة اجتماعها في يوم ٢٥/١١/٢٠٢١ وتم دراسة مشروع البحث ذي الرقم (٢٠٢١/١١٢) المعنون:

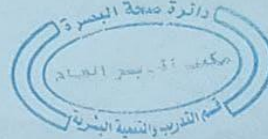
(اهمية استخدام تكنولوجيا الحاسوب في مجال التمريض) والمقدم من الباحثات المشاركات (عهد كاظم- طيبة ماجد - هبة غسان) دراسات اولية - كلية التمريض- جامعة البصرة
(في دائرة صحة البصرة بتاريخ ٢٥/١١/٢٠٢١) وقررت:

"الموافقة على تنفيذ مشروع البحث بصيغته المقدمة ولامانع من تنفيذه في مؤسسات الدائرة."

لتفضلكم بالاطلاع وتسهيل مهمة الباحث لا جراء بحثة مع التقدير



الطبيبة الاختصاص
د. رجاء احمد محمود
مديرة مركز التدريب والتنمية البشرية
٢٠٢١/١٣/٤



المرفقات:
قرار لجنة البحوث المرقم ٢٠٢١/١١٦

نسخة منه الى:
مركز التدريب والتنمية البشرية بمع الاوليات

الخلاصة

الدراسة الحالية هي دراسة وصفية اجريت في كلية التمريض في جامعة البصرة للفترة من تشرين الاول 2021 الى نيسان 2022

خلفية الدراسة: تساعد السجلات الصحية الإلكترونية الممرضات على التواصل بشكل أكثر كفاءة من خلال القضاء على معظم التفسيرات الخاطئة للأوامر الكتابية والشفهية. وكذلك يمكن للممرضات إنشاء وإدارة السجلات الصحية الإلكترونية وتحديثها حسب الحاجة.

المنهجية: لتحقيق هدف الدراسة تم تصميم استبيان ذي محورين. تضمن المحور الأول المعلومات الديموغرافية وتضمن النوع الاجتماعي والمستوى التعليمي وسنوات الخبرة. المحور الثاني تضمن معلومات حول أهمية استخدام تكنولوجيا الحاسوب في متابعة وتوثيق رعاية المرضى. (102) ممرضا وممرضة من مستشفى البصرة التعليمي ومستشفى الفيحاء التعليمي. بمستويات وخبرات تعليمية مختلفة. البيانات التي تم جمعها وتحليلها يدويًا لملاحظة النسبة المئوية ومتوسط الدرجة والأهمية.

النتيجة: أظهرت النتائج أن نسبة الذكور (35%) ، الإناث (64%) ، الثانوية (24%) ، المعهد الطبي (35%) . بكالوريوس. (29%) خبرة 1-5 سنوات كانت (59%) 6-10 سنوات (14%) . 11-15 سنة (8%) . أكثر من 15 سنة (12%) .

من ناحية أخرى ، كانت إجابات 50% من الأسئلة مهمة فيما يتعلق باستخدام تكنولوجيا الكمبيوتر في الصحة و 90% من المشاركين.



تقييم أهمية استخدام تكنولوجيا الكمبيوتر في تطوير التمريض

مشروع بحثي
تم تقديمه إلى مجلس كلية التمريض في جامعة البصرة استيفاء جزئي لشروط
الحصول على درجة البكالوريا في علوم التمريض

مشروع بحث مقدم من قبل الطلبة

طبيبة ماجد مهدي

عهد كاظم محمد

هبة غسان جاسم

اشراف

استاذ مساعد دكتور

وصفي ظاهر عبدعلي

2022