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Research Paper Sociology

Effectiveness of Electronic Medical Record vs Paper Record of Patient Care Among Nurses of Aditya Birla Memorial Hospital Pune

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INTRODUCTION:

Hospitals deal with the life and health of their patients.Nurses play a vital role in care of the patient that is 24x7.But as a proof of the care done is the documentation. Without accurate, comprehensive up-to-date and medical personnel may not offer the best treatment or may in fact misdiagnose a condition, which can have serious consequences. Associated records, such as X-rays, specimens, drug records and Patient registers, must also be well cared for if the patient is to be protected. Good records care also ensures the hospital's administration runs smoothly: unneeded records are transferred or destroyed regularly; keeping storage areas clear and accessible; and key records can be found quickly, saving time and resources. Computers are the modern technique of documentation of patient care as they are faster than humans. Though it is costly it is easy, effective and quality assurance.

OBJECTIVES OF THE STUDY

The objectives of the study were:

1 To assess the effectiveness of electronic medical record of patient care among nurses.
2 To assess the effectiveness of paper record of patient care among nurses.
3 To assess the effectiveness of electronic medical record Vs paper record of patient care among nurses.

FINDINGS

A total of 30 samples were selected in the study to find out the effective method of patient care among nurses through checklist. Out of which all the 10 questions are majority with electronic medical record for patient care with one question (question no 5) had equal answers between electronic and paper record. The total is of 80% for electronic medical record and remaining 20% are the paper record. So the Karl Pearson theory proves that the r=0.997 is the correlation between the electronic medical record and paper record. The chi square formula was also used for hypothesis relation.

Age: The 20-25 years are the nurses who are more comfortable with the electronic medical record. The chi square of statistics were p=4.360 of degree of freedom 1.

Sex: On comparing the ratio of electronic medical record and paper record the male nurse are more comfortable with electronic medical record than female nurse. The chi square of statistics were p=0.170 of degree of freedom 1.

Designation: The staff nurses are well trained and comfortable with electronic medical record and the team leader and nurse managers are also as all are comfortable. The chi square of statistics were p=1.130 of degree of freedom 1.

Qualification: The Bsc. nursing qualified staffs are comfortable to handle computers than GNM nursing trained staffs. The chi square of statistics were p=0 of degree of freedom 1 with null hypothesis.

Years of Experience: The 0-1 years experience feel the electronic medical record better than the more experienced due to technology change. The chi square of statistics were p=0.270 of degree of freedom 1.

Computer Knowledge: The nurses with computer knowledge are well versed to handle the electronic medical record documentation rather than those who are not having knowledge The chi square of statistics were p=0.148 of degree of freedom 1.

REFERENCES

1. Article by Bright hub, Edited and published by: Bright hub health technology on Nov 10, 2009. | | 2.Advantages of electronic medical record: (http://www.wisegeek.com/topics/benefit-of-electronic-medical-records.htm). | | 3. Benson (2004) Community practioner and health wise associator, nursing times, Sep 2004, Volume100, page49. | | 4. Conceptual Framework Based on Betty Neumann's System Model (1996)-www.google.co.in/framework.com. | | 5. DeBry PW. Considerations for choosing an electronic medical record for ophthalmology practice. Arch Ophthalmic. 2001; 119:590 –596. | | 6.Disadvantages of electronic medical record: (http://www.wisegeek.com/topics/disadvantages -of-electronic-medical-records.htm). | | 7. Electronic medical record: (www.wikipedia.org) | 8.John Scott, TimRundall, Thomas G.Shortell, Stephen M.Brommels, Mats Implementation of electronic medical records in hospitals, Volume (Year): 84 (2007)Issue (Month): 2-3 (December) Pages: 181-190, (http://ideas.repec.org/a/eee/hepoli/v84y2007i2-3p181-190.html).. | | 9. Matthew peitreson, Clarke swan (2004), Nursing times, 31st Aug 2004, Volume100, page35. | | 10. Management of hospital records: | (http://www.irmt.org/documents/educ_training/public_sector_rec/IRMT_hospital_recs.pdf) | | 11. Mary Shane, Daniel Vitter (2001), from competition to collaboration of health care, Journal of Nursing management, Volume2, Pg 31-240. | | 12. Medical Records Institute. Eighth Annual Survey of Electronic Health Record Trends and Usage for 2006. Boston, MA: MRI; 2006. | | 13. Miller JM. The Computer-Based Ophthalmic Recordkeeping (COR) System. J Pediatric Ophthalmic Strabismus. 1996; 33:55–58. | | 14. Record: (www.wikipedia.org). | 15. Sebastian, Max Skorning, Daniel Rörtgen, Is paper based documentation adequate for emergency analysis (Stefan Kurt Beck Accepted 7 March 2010Published Online First 15 August 2010). | | 16. Value on Investment - ROI Benefits Analysis - Presentation Transcript: |