



Trailblazers and Pioneers: Nurses Leading the Advance of Informatics

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Survey of Nursing

- Institutional Initiatives
- Nursing Information Management Needs
- Institutional Priorities
- Questions for Study



Survey of Nursing: Information Management Initiatives 2008

- Paperless charting (including: radiology; physician orders)
- Laptops on wheels (one/nurse/shift)
- Integrating an information system able to track patient progress
- Scanners to identify right patient to right medication



Information Management Initiatives (Cont.)

- Computerized provider order entry
- Military- Computerized health record accessible 24/7 from any military treatment facility
- Upgrade patient documentation to become completely computerized in all areas



Survey: Nursing Needs

- Update of the electronic charting system
- Ability to follow the patients' progress
- Create the barcoding system in one specific way for all units
- CPOE
- Advanced intensive care monitoring



Nursing Needs (Cont)

- Progress Notes
- Link personal health information to online search for medical information
- Easy navigation of patient information
- User friendly system (checklist type for assessments with free text for abnormalities; non-repetitive; integrated



Nursing Needs (Cont)

- Adequate number of input stations to reduce waiting times
- Record integration across areas (“Integrated simplified computer system”)
- More complete documentation availability and more time for the nurse to spend at the bedside



Nursing Needs: Continued

- Keep the users, the nurses, in mind during development
- Constant communication re. system development plans, implementation and progress



Nursing Survey: Insitution Priorities

- Integrated systems
- Progress notes
- Military- Trying to make the Electronic Health Record accessible to the private sector



Nursing Survey: Questions to be Studied

- Does increased technology and time spent on it really equal safety or just create different safety issues?
- What data should be developed to provide evidence that insurance should/should not cover the cost of certain procedures (as Bariatric surgery)



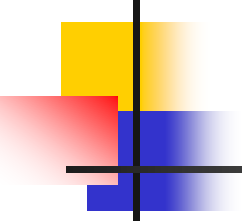
Questions to be Studied

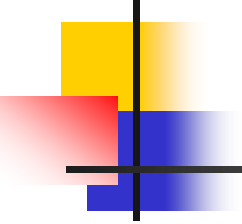
- To what extent is online patient information secure?
- What is the impact of concern for online health data on the willingness of people to seek medical attention?

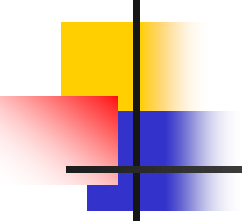


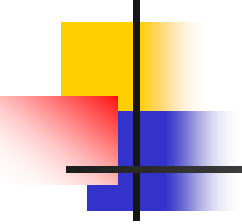
Dissertation Topics from U. of Maryland School of Nursing

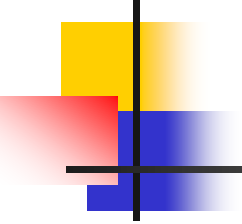
- Detecting Critical On-Line Information: The Relationship between Nurse Characteristics, Computer Screen Designs and Computer Interaction- Nancy Staggers
- Predictors of Adoption of Nursing Clinical Information Systems as an Innovation- Carol Ann Romano

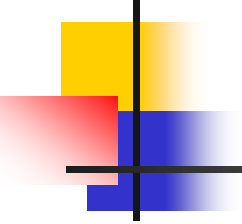
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- Impact of MEDLINE Usage on Nurses' Research Utilization & Decision Making- Patricia Prin
 - Concern about the Privacy of One's Health Care Information & Non-Disclosure of Health Information- Eleanor Henry
 - Systems, Protocols and Power- Fern FitzHenry

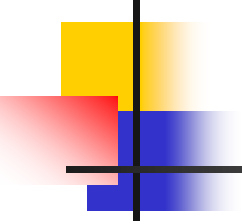
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- Analysis of the Relationship among Patient Profile & Nursing Elements in Predicting Home Care Resource Utilization & Outcomes- Ting Ting Lee
 - Information System Integration in a Geographically Distributed Organization – Kathleen Charters

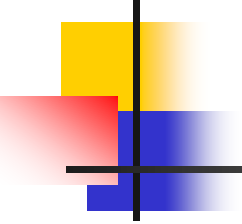
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- Predictors of Declarative & Procedural Knowledge in Nursing Students using Computer Mediated Instruction-
Dorothea McDowell
 - A Comparison of Computerized Geographical Display Formats for the Titration of Sodium Nitroprusside-
Christine Curran

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- Computer Based Patient Record: An Ethnographic View- Carol Bickford
 - The Influence of Nursing Home Characteristics on the Accuracy of the Long Term Care Minimum Data Set- Susan Joslin

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- Evaluation of the Proposed International Standards Organization Reference Terminology Model for Nursing Actions- Jacqueline Moss
 - A Model of Computer Mediated Social Support among Older Adults – Eun-Shim Nahm

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- The Effect of a Computerized Medication Order Entry System on Managing Continuous Infusion Medications at a Pediatric Intensive Care Unit – Azizeh Sowan
 - A Comparison of Paper-Based Data Submission to Remote Data Capture for Minimizing Date Entry Errors – Beverly Meadows

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- Association between Ozone & Emergency Department Visits: Application of Geostatistics & Geographic Information Systems - Mona Choi
 - Nurses' Acceptance of Handheld Computers- Yen-Chiao Lu

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- Utility of Search Strategies Used by Nurses Seeking Internet-Based Health Information – Susan Newbold
 - Clinicians Perceptions of Usability of an Electronic Medical Record Over Time-Charlotte Seckman



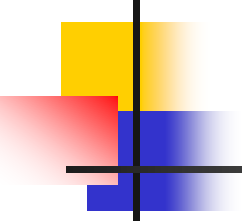
State of Maryland: Electronic Health Records Study

- Financial:
 - Balance relationship of HIT costs and benefits (through payments & subsidies)
 - Identify incentives for e-prescribing



- Technology

- Encourage physician implementation of EHR
- Hospital implementation of EHR & CPOE
- Implement a statewide health information exchange

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- Allow market forces to drive consumer adoption of personal health records
 - Develop a statewide outreach and education program for consumers
 - Resolve differences between State privacy and security laws, HIPAA and FERPA (for School Health Records)



Future Possibilities
