Library-Based Learning in Nursing Informatics

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Aim

- **Our objectives in this presentation are first to try to explain how nurses, one of the important partners in the health sector, can be provided with the information that they are in increasing need of and secondly, to identify the role librarians can take on in developing nurses' skills in accessing information.**

Contents

- **Nursing Informatic needs**
- **Why Nursing Informatics? (changing roles of nurses)**
- **Where/when informatics begin in Nursing**
- **What's Information Literacy in Nursing**
- **Roles of librarians in nursing and the curriculum**
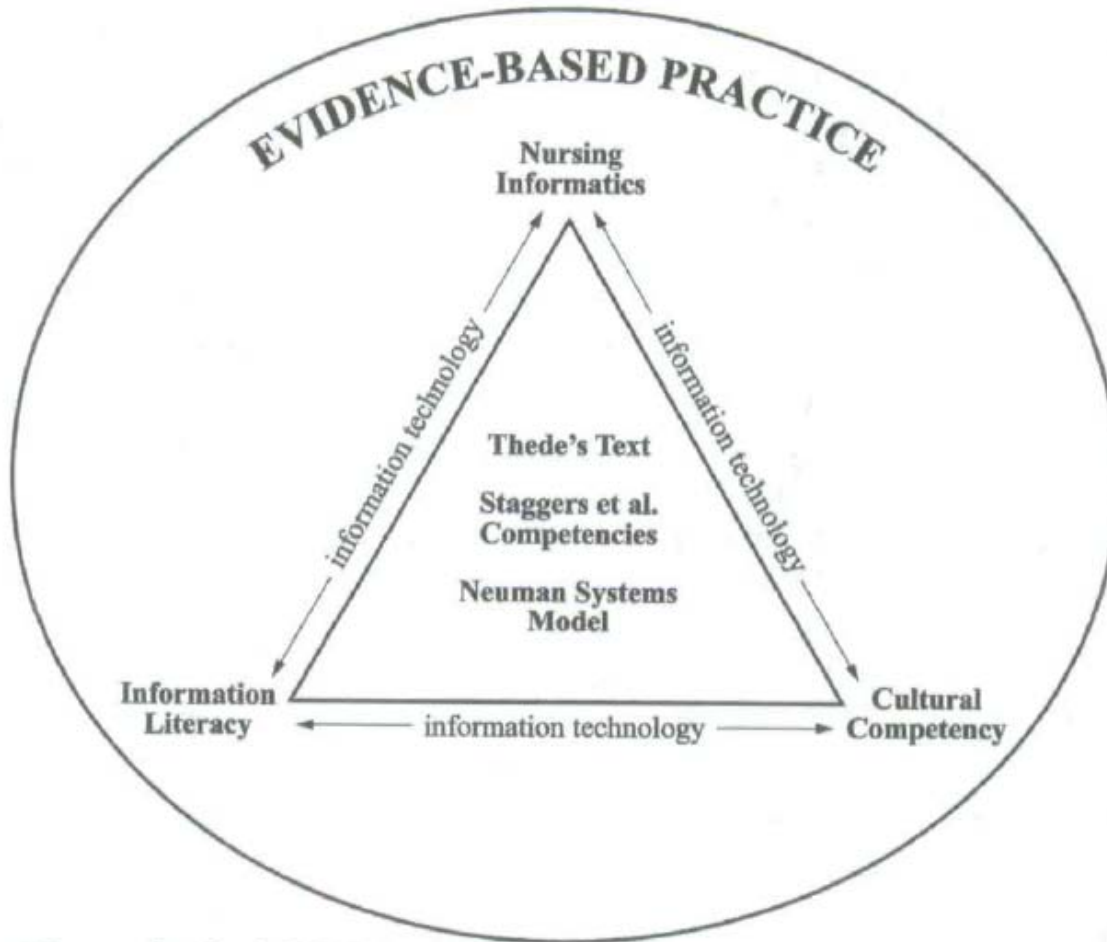- **Learning models (examples)**

Nursing Information Needs

Patient expectations
Care Knowledge
Research Knowledge
Rising Health Care Costs

Safety Care

Quality

N.Aydın, 2010

- **They need to find right information**
- **They need to manage electronic records**
- **They need to know how to search**
- **They don't want to lost in the resources**
- **They want quick access to knowledge**
- **They want to share the information on the right resources**

Where the "Librarians" roles are starting?

Stephanie J. Schulte, 2008

Nursing Informatics

- **"Nursing informatics facilitates the integration of data, information, and knowledge to support patient, nurses, and other providers in their decision making in all roles and setting. This support is accomplished through the use of information structures and information technology"**

American Nurses Association, 2001

Nursing Informatics

- **Nurses and clients are supported by the nurse informatician so that they many become users of knowledge as they use documentation systems and databases to gather aggregate data and information.**

- **The competencies identified are that all health professionals should be educated to:**

1)Provide patient-centered care

2)Work as member of an interdisciplinary team

3)Employ EBP

4)Apply quality improvement approacher

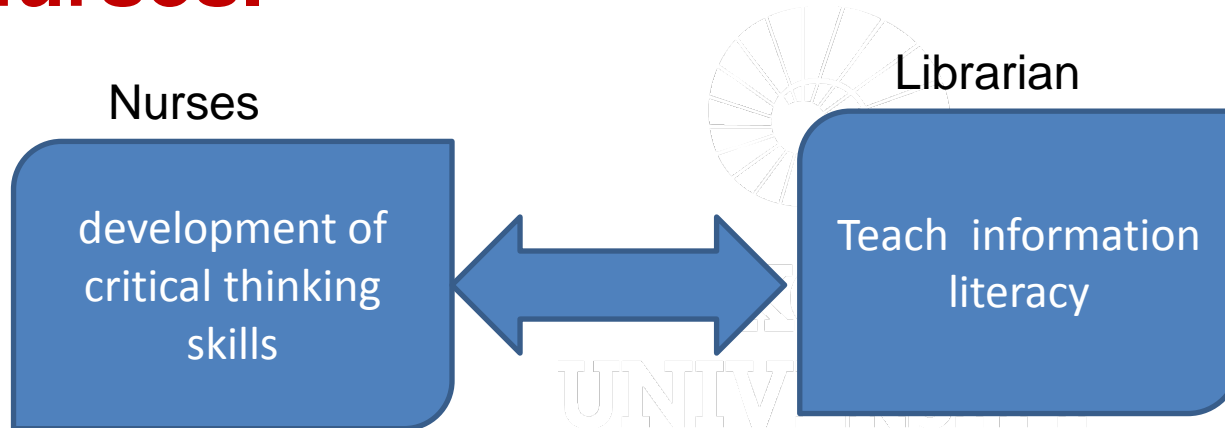**5)Utilize informatics**

Forbes & Hicley , 2009

Information Literacy

- ## **Information literacy is a necessity for all nurses.**

Nurses

Librarian

| development of critical thinking skills | ⟷ | Teach information literacy |

Development of information literacy competencies are a foundation for critical thinking in nursing ,

Bruce and Candy (1995)

What's Information Literacy for Librarians -I

- **Meet the information needs of nurses (students, clinical nurses, academic nurse, educator nurse manager nurse)**

- **Identify what user needs (educational and clinical)**

- **Managing information (health literature, information resources)**

- **Teaching information and knowledge, inclusively, legally, and ethically**

- **Successful IL Teaching and Learning**

- **Teaching in Nursing Education**

"Nursing Informatic Course"

Librarians should take an active role in teaching nursing informatics

Hightower , 2009

What's Information Literacy for Librarians -II

- ## Database searching skills

  Advanced Search, keywords, Index, Knowledge-Based Database, Searching Using MeSH terms, Meta-Analysis, RCT, Subject Heading, Systematic Review, LibGuides

- ## Database trainings (CINAHL, Medline/Pubmed, PsycInfo, Ebsco Research Databases, Mosbys Nursing Consult, Mosby Nursing Skills, Cochrane Library,, EMBASE, ProQuest Nursing and Allied Health Source, ABI/Inform, Micromedex, etc..)

- ## Reference Management Systems

  EndNote, Procite, Reference Manager, Ref Works, Zotero, CiteULike,

TABLE

Library Database Survey Responses Voluntarily Completed by 20 of 23 Students

Survey Statement	Strongly Agree	Agree	Total
The tutorial on CINAHL Plus with Full Text that is linked from the library module in WebCT® helped me understand how to search this database.	5 (25%)	8 (40%)	13 (65%)
Meetings with the librarian on Horizon Wimba® Live Classroom helped me understand data searching.	7 (35%)	9 (45%)	16 (80%)
Contact with the librarian by phone, e-mail, or in person helped me understand database searching.	4 (20%)	5 (25%)	9 (45%)
The three library database assignments helped me understand database searching.	6 (30%)	9 (45%)	15 (75%)
The librarian's comments sent by e-mail in WebCT following completion of each library assignment helped me understand database searching.	5 (25%)	12 (60%)	17 (85%)
I feel more comfortable using library databases.	7 (35%)	10 (50%)	17 (85%)
I think library databases will be useful in my current job.	5 (25%)	9 (45%)	14 (70%)
I will use library databases to find information for my current job.	3 (15%)	10 (50%)	13 (65%)
The written comments concerning American Psychological Association referencing helped me better understand how to properly reference.	6 (30%)	10 (50%)	16 (80%)
Overall, I would rate this as a positive learning experience.	6 (30%)	11 (55%)	17 (85%)

Schutt & Hightower , 2009

Roles of Librarians-Collobration

- # **Cooperation with researcher and clinical nurses**

- **Today nurses are in position where they must select and install information system, resulting in a need for a knowledge base that supports the analysis, design, implementation, testing, and evaluation of systems within the healthcare environment"**

Kelly, 2006

Conclusion

- **Librarians who partner with traditional teaching faculty must deal with these issues daily, so they are not new. But, in the typical academic librarian's case, co-teaching is not a routine activity. It does fall broadly within the description of a liaison librarian or bibliographer's duties, but in the present example, the development of a new course so integrally connected to information literacy was just one among many duties included in the reference librarian's position.**

- **Librarians must play an active part in nursing education and also subsequent to its completion.**

- **In order to provide nurses with higher quality service, librarians must work closely with nurses in an effort to help them access, share and manage the latest and most reliable information available.**

- **To conclude, it is clear to us that the cooperation between nurses and librarians is a new development that is desired by both parties. It falls on our shoulders to meet growing expectations by producing appropriate recommendations for solutions.**

THANK YOU ☺
ANY QUESTION?