Bringing Together Best Practices From Distance and Continuing Education: The Best Practices for Stroke for Nurses Project

West Greater Toronto Area Stroke Network Laurentian University School of Nursing Ontario Telemedicine Network Spring 2007

Presenters

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 Regional Stroke Centre and Secondary Stroke Prevention Clinic located at Trillium Health Centre

West GTA Stroke Region-2

- Regional education funding allocated annually
- Stroke Best Practices for Nurses Workshop developed in 2001
- Delivered biannually in face-to-face setting



- Rich history in distance, continuing, and technology-enabled education
 - Post-RN and Master's programs, specialty education such as cardiac
- Extensive experience in cardiac and stroke education

Laurentian University School of Nursing-2

- Relationships with hospitals and other health education stakeholders across northern Ontario
- Expertise in research and assessment in technology-enabled learning

Partner 3: Ontario Telemedicine Network

- Provincial telemedicine network
- www.otn.ca
- Highly active educational program through presence in all Ontario hospitals and other health education settings (over 400 multipoint events per month)

Ontario Telemedicine Network-2

- Educational technologies include videoconferencing and webcasting (live and archived)
- LU School of Nursing a member of OTN

More Partners: Northern Ontario Hospitals

- Over 90 nurse-participants from across large and small hospitals
- Support of administration and ethics review boards within involved hospitals

Stroke Best Practices for Nurses Workshop

- Originally developed as a "train the trainer" model
- Team of interdisciplinary expert presenters
- Delivered over three days

Stroke Best Practices for Nurses Workshop-2

Topics include:

neuroanatomy, management of incontinence, stroke prevention, management of the stroke survivor with cognitive and perceptual issues, community reintegration, post-stroke depression

An Idea with Purpose

- To develop, deliver, and evaluate a technology-enabled stroke education program that
 - shares educational content with nurses in remote areas
 - promotes uptake of best practices through collaboration and partnership
 - identifies human and technology supports required to sustain learning
 - includes a research framework

Research Framework

Research objectives

- 1. To evaluate the impact of educational modalities on nurse-learners' knowledge exchange, self-efficacy, and critical thinking
- 2. To document the nurse-learners' experiences of the technology-enabled learning setting

Educational Technologies

- Videoconferencing: three one-hour topicoriented sessions
- Webcasting: live and archived
- Web-based learning site using WebCT learning management system:
 - supported independent learning
 - provided learning resources
 - facilitated online assessment and surveys



Learning Activities

- WebCT bulletin board postings
- Case studies
- Observation of video clips and completion of questions
- Focus in all activities: reflection and application of strategies learned



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Research Methodology

- Pre and post mixed methods design
- Questionnaires, surveys, threaded asynchronous bulletin board contributions, and focus groups
- Carper's framework, Fundamental Ways of Knowing (Johns, 1995)
- Purposive sample of 96 participants
- Ethics approval from all hospital sites and Laurentian University



















Recommendations

- Needs assessment to determine future topics
- Analysis of impact on development of expertise
- Conduct environmental scan for funding



- Establishment of partnerships between experts in practice, care continuum, and organizations
- Development of program into university-level course for credit
- Long-term evaluation of knowledge translation into practice

Final Thoughts

"I thought the course was really great and one thing I thought about was there would be no way we'd get this many northerners to one course except for this way (using technology), so way to go!"



