



Telehealth Nursing: Building Knowledge through Research

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Presentation Objectives

- Describe ICN eHealth Programme
- Summarize recent telehealth research findings involving nurses
- Recommendation for developing telenursing research agenda

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International Council of Nurses

- Established in 1899
- A federation of 135 national nurses associations representing millions of nurses worldwide
- Three major pillars of work
 - Professional practice
 - Socio-economic welfare
 - Regulation

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ICN eHealth Programme

- Vision: transform nursing through information and communication technology
- Established in 2011
 - Telenursing Network
 - >200 members, 55 countries
 - ICNP Terminology for EHRs
 - Sanofi Care Challenge

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ICN eHealth Programme

- Building knowledge through restructuring nursing domain knowledge
- Meet the needs of nurses and students
- Advance state of art care delivery information systems
 - Fixed
 - Mobile

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Telehealth Literature Review

- PubMed, CINAHL
- Psycinfo
- Author information (nurse)
- Keywords: telehealth, telenursing, telemedicine, eHealth, e-Health
- Authors not always identified by profession
- About 160 articles found

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Inclusion Criteria

- Research-based
- Published in 2011
- Nurse investigator (at least one)
- English

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Papers Meeting Criteria

- 42 reports of studies
- 5 randomized controlled trials
- Other designs: qualitative, descriptive, correlational
- Theoretical models used:
 - Technology Acceptance Model, Transtheoretical Model, Health Belief Model, Complex Adaptive Systems Theory, Change Theory

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Research Topics (9 papers)

- Online self-management (arthritis)
- e-ICU
 - sepsis screening
 - nurses using technology
- Telephone
 - triage (primary care)
 - education (prostatectomy)
 - intervention (arthroscopy)
- Telehome care
 - heart failure
 - diabetes
 - diabetes & hypertension

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Gaps in Research

- Professional telenursing role
 - Education, certification, scope of practice
 - Task shifting, licensure
- Safety
 - Technology
 - Clinical decision support systems
- Standard terminologies for nursing documentation

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Recommendation

- Survey to develop consensus for telehealth nursing research agenda
- Goals
 - More nurse-lead research
 - Research-based evidence for patient outcomes related to nursing interventions
 - Knowledge generation in support of telehealth nursing practice

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Delphi Survey

- Advantages
 - International convenience sample with snowball sample
 - Experts worldwide
 - Participants contribute equally
- Rank research topics (using literature 2011 and forward)
- Multiple iterations
- Analyze and disseminate findings

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Summary

- ICN eHealth Programme supports telenursing
- Nurses leading and participating in telehealth research
- Wide range of topics in literature
- Increase nurse visibility in research
- Work toward telenursing research agenda

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Thank-you

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