The Future of Nursing: Imagination, Innovation and 21st Century Nursing Practice

Patricia Flatley Brennan

University of Wisconsin-Madison
objectives:

1) enumerate the challenges and opportunities facing the future of health that nursing can best meet
2) compare and contrast existing biobehavioral approaches with mind-body-technology strategies for health
3) prepare a personal strategy to address the future
achieving the audacious goal of health for all lies in increasing the alignment between the practice of nursing & the information technologies that support it, record it, and extend its reach into the every-day lives of patients. **Nursing informatics professionals are the ones to make it happen.**
3 Simple Rules

- Leverage existing and emerging technologies
- Understand patient needs
- Support nursing practice
enumerate the challenges and opportunities facing the future of health that nursing can best meet
What developments of the past 10 years will have the greatest impact on nursing practice in the next 10 years?

1. Data tsunami
2. Smartphone adoption
3. Web 2.0 (youtube, facebook)
4. Explosion in understanding of the brain
5. -omics, -enetics, and ...
Which of the following health challenges will lead to the greatest rise in the demand for nursing?

1. Environmental exposure-induced disease
2. Cancer, metabolic syndrome and cardiovascular disease
3. Aging
4. Refugees and displaced persons
5. Inadvertent consequences of care: drug-resistant infections, institution-acquired disease, medical errors
NI responds to challenges!

1. Data tsunami
2. Smartphone
3. Web 2.0 (youtube, facebook)
4. Explosion in understanding of the brain
5. -omics, -enetics, and ...

1. Environment’t exposure-induced disease
2. Cancer, metabolic syndrome and CV
3. Aging
4. Refugees and displaced persons
5. Inadvertent consequences of care
compare and contrast existing biobehavioral approaches with mind-body-technology strategies for health
Imagine...
Virtual Reality

Computer-simulated environments that use visual images to create a sense of presence through a head-mounted display or immersion in a special room, called a CAVE.
Nursing interventions that support self-management

- Patient education
- Cognitive-behavioral therapies
- Just-in-time reminders (treatment by txt)
- Social support

NURSING INFORMATICS

- Web-based interventions
- Portals
- Home telemedicine
- Clinical information models related to known terminologies (ICD, EMR)
but…it’s hard to be healthy every day!

Lots to remember
Constant vigilance
Remind, replace, deprive!
Imagination

The ability to envision what one has never seen, experienced or heard about
Just maybe... if we develop the *skill of imagination* within our patients we will equip them not only to *manage* anticipated situations but also *handle* those situations never envisioned!
New Nursing Interventions
Information technology and HIT solutions are built on the premise of patients’ health problems best treated by

1. Drugs and procedures
2. Prevention
3. Patient engagement
4. Nutriceuticals
5. Spiritual counseling
prepare a personal response to address the future
Point of Care
Point of Practice
Point of Living
To step in the future, we sometimes need to jettison vestiges of the present. What should you jettison?

1. Expectations about colleagues’ skill
2. Adherence to low-value practice rituals
3. Nothing – everything about me drives the future
4. Beliefs about my own ability, knowledge, and values
5. Assumptions about patient roles and capabilities
Which technologies hold the greatest chance for breakthrough innovation in the next 5 years

1. Mobile computing & ubicomp
2. Biopharmaceuticals
3. Mechanical techniques (surgery, manipulations)
4. Assistive, implantable devices and body parts
5. Brain-computer interfaces
The future of nursing

1. Nurses should practice at the full extent of their education and training
2. Nurses should achieve a higher level of education
3. Nurses should be full partners in the redesign of health care
4. Effective workforce planning requires better data and a better information infrastructure
If nurses work at the top of their licenses, what will keep them from falling off?
Party like it’s 2002???