The Future of Nursing:

Imagination, Innovation and 21st Century Nursing Practice

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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!

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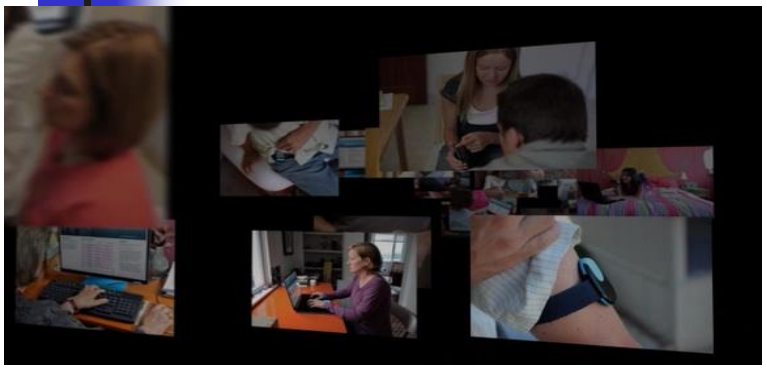
compare and contrast existing biobehavioral approaches with mind-body-technology strategies for health

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

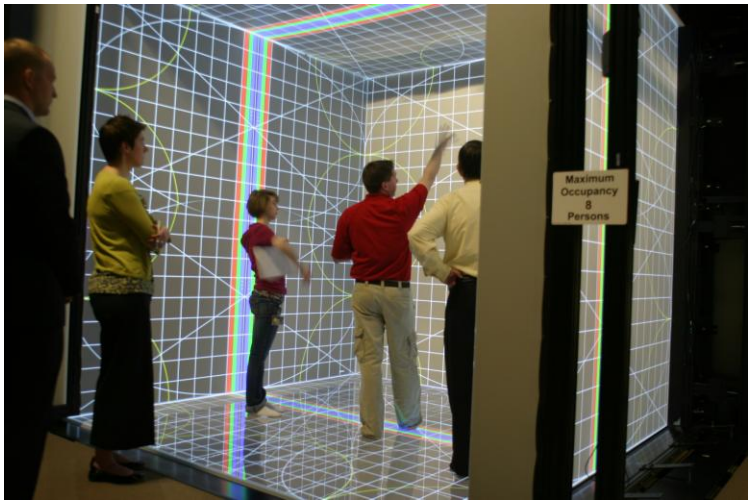
Remind, replace, deprive!

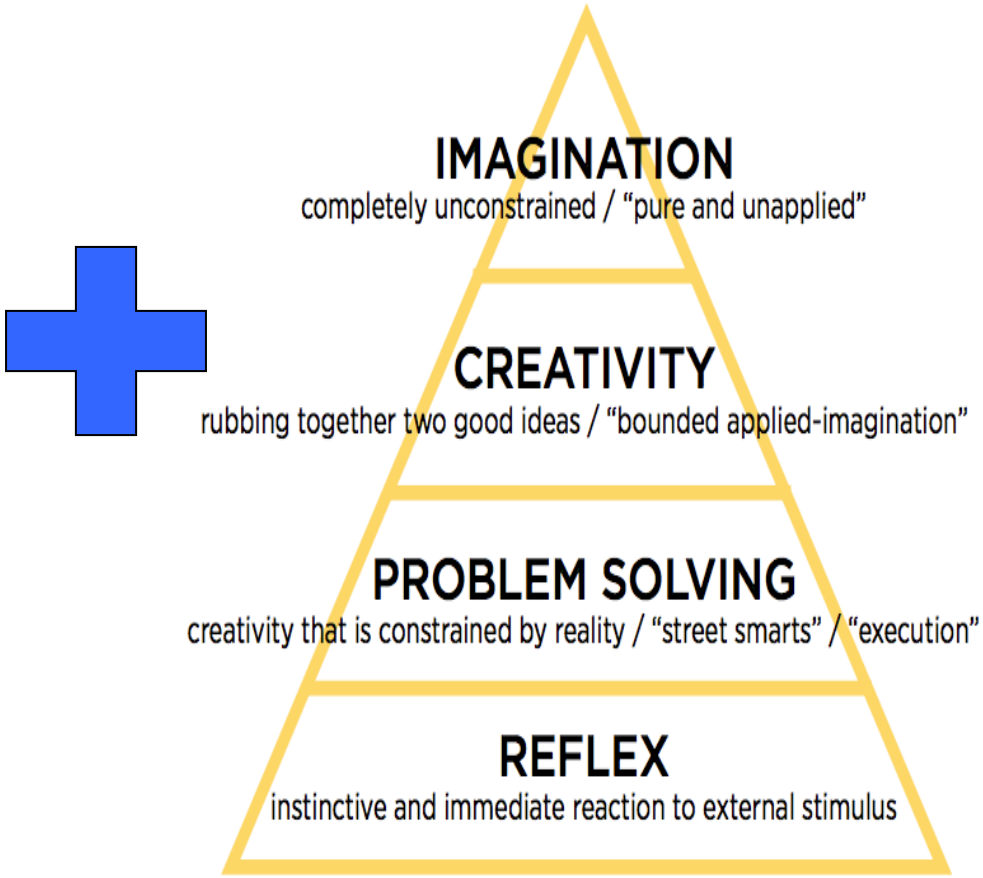
Imagination

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

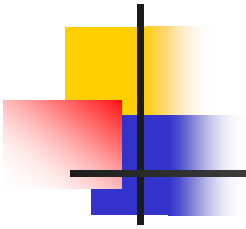




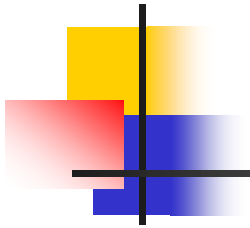
"BRENNAN'S HIERARCHY OF IMAGINATION" / FROM TEDMED 2010 AT THE RWJF PIONEER PORTFOLIO MTG / BY JOHN MAEDA

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

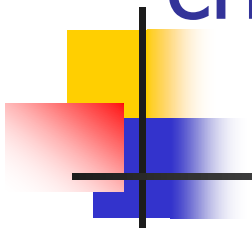


Point of Care
Point of Practice
Point of Living

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

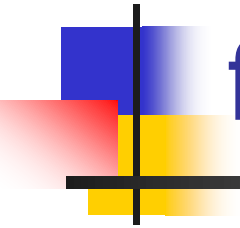


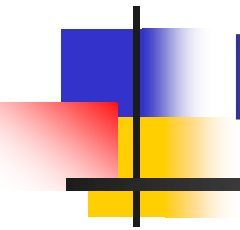
1. Mobile computing & ubicomp
2. Biopharmaceuticals
3. Mechanical techniques (surgery, manipulations)
4. Assistive, implantable devices and body parts
5. Brain-computer interfaces

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???