What is the future state of nursing?

Sally Watkins, PhD, RN
Executive Director

Washington State Nurses Association
> What is changing?

> What are our challenges?

> What actions do we need to take?

> What can you do?
What is changing?

Recommended reading: Eric Topol
What is changing?  Technology

- Contact lenses & digital tattoos to monitor blood glucose
HOW NANOTECHNOLOGY COULD REENGINEER US

NEURO PROBLEMS
- BAD VISION
- HEARING LOSS
- BURNS
- FRACTURES
- BREAST CANCER
- LOST OF FEELING
- INFECTION
- FATIGUE
- DIABETES
- IMPERFECT BRAIN
- EYE PROBLEMS IN FOCUS
- SAY WHAT?

BAD VISION
- Over 150 million Americans use glasses or contacts, and 4 million have glaucoma

HEARING LOSS
- 36 million American adults and nearly half of all adults 75 and older have hearing loss
- Over 322,000 people around the world die from burn-related injuries every year
- Broken bones take months to heal

BREAST CANCER
- 1 in 8 American women gets breast cancer

LOST OF FEELING
- Prosthetic limbs and implants leave amputees without a sense of touch

INFECTION
- 4 of the top 10 causes of death in poor countries are infectious diseases

FATIGUE
- Soldiers and astronauts lack the muscle strength to endure lengthy missions

DIABETES
- 26 million Americans have to monitor blood glucose for diabetes

CANCER DETECTION
- Nanosensors 1000 times better than mammograms find breast cancer and nano-instruments destroy and prevent it

SENSITIVITY
- Robotic prostheses transmit information to the brain so patients feel and use them like native limbs

ANTIBACTERIAL
- Nanotherapies self-adjust to fight bacterial and viral infections, saving millions of lives each year

MUSCLES
- Robotic limbs and suits increase muscle strength to 100 times human capacity for long missions

VITALS
- Implanted biosensors manage glucose and vital signs, releasing meds and detecting emergencies

BRAIN
- Therapeutic nanotechnology delivers drugs, reconstructs brain cells, and restores cognitive function

EYES
- Nanotech contact lenses provide medication, sun protection, vital stail

EARS
- Nanoparticles mediate and repair the ear to reverse sensorineural hearing loss and vertigo

SKIN
- Nanopolymers materials regrow skin and tissue

BONES
- Nanoparticles on bones repair breaks and strengthen bones in days to weeks
Technology, cont.

- Breathalyzers to diagnose lung cancer
- Smartphone apps replace diagnostic equipment
- Genomics – personalized treatments
- Virtual reality as method of intervention
Technology adoption

[Bar chart showing technology adoption from 1873 to 2007]
What is changing?

The amount of data available

More data has been generated in the last two years than in the history of humankind...It’s time to move from data hoarding to knowledge transformation.
What is changing?

Increase in variety of practice roles and settings

- Only 88% vs. 100% new graduates choosing hospitals
Even the C-Suite is changing....

Is the CNO Gone?
What are our challenges?

Medical Errors are the 3rd leading cause of U.S. deaths

At the same time, nurses top the annual Gallop poll for honesty and ethics for 15 straight years
What are our challenges?

Less local control – corporatization of community hospitals and health systems

Imposed financial targets and benchmarks
Challenges, cont.

Nursing shortage

Yet nursing schools still turn down qualified applicants due to lack of faculty and facilities to meet education needs
Challenges, cont.

ARNPs still experience inability to practice to full scope/top of license
Challenges, cont.

Unknows in national legislation/health policy
Challenges, cont.

Our Nurse Practice Act is not addressing our current, let alone future, needs

True of False?

1. A physician can hire a C.N.A. to work in their clinic.
2. An RN can delegate accuchecks to C.N.A.s.
3. An RN can delegate accuchecks to a Medical Assistant.
4. Any RN is permitted to carry medications into the home of a patient.
5. An RN can provide healthcare instructions to a patient via calling the patient’s cell phone.
6. An RN can independently provide a “medication” such as artificial tears to a patient/ sunscreen to a child.
Additional occupational challenges

> Workplace violence
> Fatigue
> Threats to labor such as Right to Work legislation
Environmental challenges

> National policies changing – protected lands, support for EPA, etc.
> Climate change
> Local issues such as Hanford, waters of Puget Sound
Oxford University Press Junior Dictionary
Global challenges

- Infectious disease
- Hacking of data
- Immigration
- International wars & threat of war
Any other key changes or challenges?
So, what action do we need to take?
Nursing Defined

The protection, promotion, and optimization of health and abilities, prevention of illness and injury, alleviation of suffering through the diagnosis and treatment of the human response, and advocacy in the care of individuals, families, communities, and populations. (ANA, 2003)
Technology

Increase awareness of available technology

Become early adopters and advocate for use of appropriate technology
Transform data to knowledge

Reassess access and usability of HEAL-WA
- Students
- Explore free sources of information
  http://www.doaj.org
Increase engagement with nurses working in new and different care settings

- Virtual health, innovation centers of excellence, etc.
- Evaluate new care models including access to virtual support
- Increase mentorship capability & capacity – students, new graduates, residents, less senior personnel
- Continue to grow our membership
- Continue to push for data re: “who we are as nurses” in Washington state (education levels, practice settings, etc.)
Increase awareness and understanding of healthcare finance
Own our metrics

CLABSI
CAUTI
Falls
HCAHPS – Nurse communication
Other nursing bundles (use of white board in patient room, bedside report, etc.)
Develop collaborative strategies to propose revisions to Nurse Practice Act

- Identify key stakeholders
- Continue collaboration with NCQAC
- Strengthen partnerships with others such as WSMA, WSHA, NWONE
- Explore opportunities for RNs to help meet the need for Primary Care
Continue to address various staffing concerns

- Safe Staffing Committees
- Collaboration with SEIU 1199NW, UFCW, WSHA & NWONE re: 2017 Legislation implementation and evaluation
- Rest and Meal breaks
- Pursue staffing legislation applicability to other settings such as Long-term care
Resurrect our Occupational & Environmental Health Committee

- Pursue grant funding opportunities
- Re-engage nurses in advocacy & legislative efforts
- Again, partner with other key organizations

(Life Magazine, 1971)
For the Next 7 Generations

Our Mission

We, the International Council of Thirteen Indigenous Grandmothers represent a global alliance of prayer, education and healing for our Mother Earth, all Her inhabitants, all the children, and for the next seven generations to come. We are deeply concerned with the unprecedented destruction of our Mother Earth and the destruction of indigenous ways of life.

We believe the teachings of our ancestors will light our way through an uncertain future. We look to further our vision through the realization of projects that protect our diverse cultures: lands, medicines, language and ceremonial ways of prayer and through projects that educate and nurture our children.

www.grandmotherscouncil.org
Additional actions

Remain relevant and strengthen relevancy
- Update and enhance our position papers, palm cards, web content, etc.
- Increase educational offerings
- Pursue organizational affiliates
- Identify and market member vs. non-member benefits
- Continue to strengthen our messaging regarding WSNA’s advocacy and leadership achievements

Anticipate versus react to change

Continue to “push for” practice to top of license

Pursue qualified nurse candidates for key positions including seats in Legislature

We still need better measures of “nursing work”
What can you do?

> Find your “true north” & be an activist
> Continue to engage and re-engage with WSNA & its activities
> Engage others with you
> Provide suggestions & feedback
> Be a voice for nursing as well as the association
The collective leading voice, authority, and advocate for the nursing profession in the State of Washington