

Future of Nursing 2030

Implications for Informatics

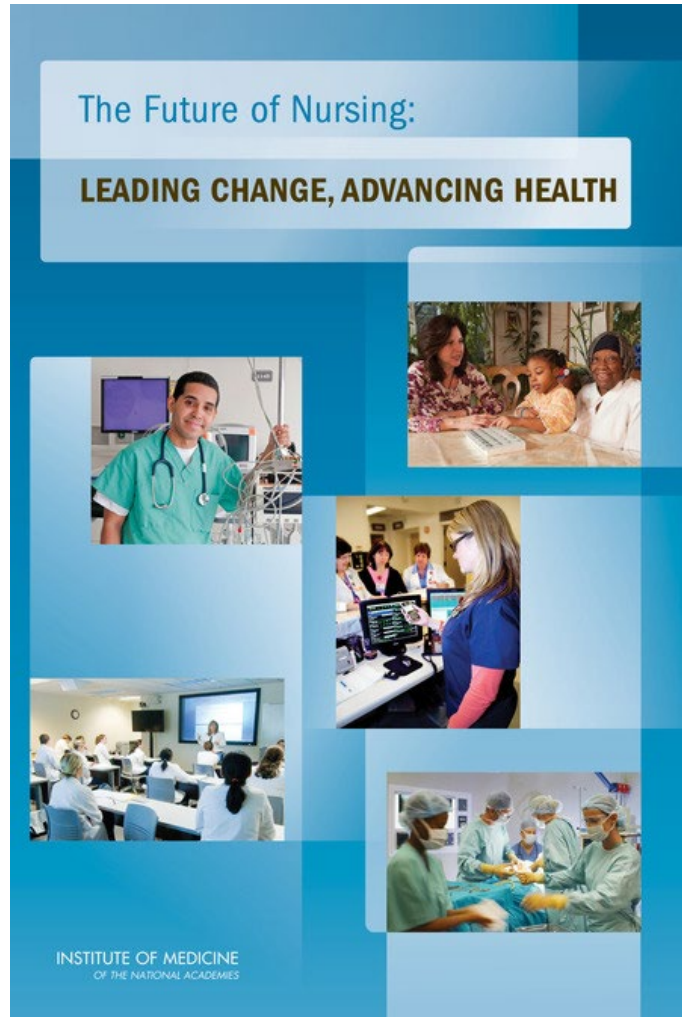
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June 20, 2021

Agenda

- Context and Background
- My Role on the Committee
- Process
- Key Messages
- Technology, Data, and Informatics Aspects
- Recommendation #6
- Action and Advocacy

Future of Nursing 2010-2020



- RWJF and IOM
- Crafted in 2009
- Set a vision for nursing
- Key Messages:
 - Blueprint for improving nurse education
 - Full practice authority
 - Assume leadership positions
 - Improve data collection

A group of diverse people, including healthcare workers and a person in a wheelchair, standing on a grassy hill overlooking a city skyline at sunset. The scene is composed of three distinct color-tinted sections: a golden-brown city skyline at the top, a blue-tinted residential area in the middle, and a green-tinted grassy hill at the bottom. The group of people is seen from behind, looking out over the city. They include a man in green scrubs, a woman in a white lab coat, a man in a plaid shirt and brown pants with a cane, a woman in teal scrubs, a woman in blue scrubs, and a person in a wheelchair with their hand raised. A young child is also visible in the group.

The Future of Nursing 2020–2030

Charting a Path
to Achieve Health Equity

NATIONAL ACADEMY OF MEDICINE

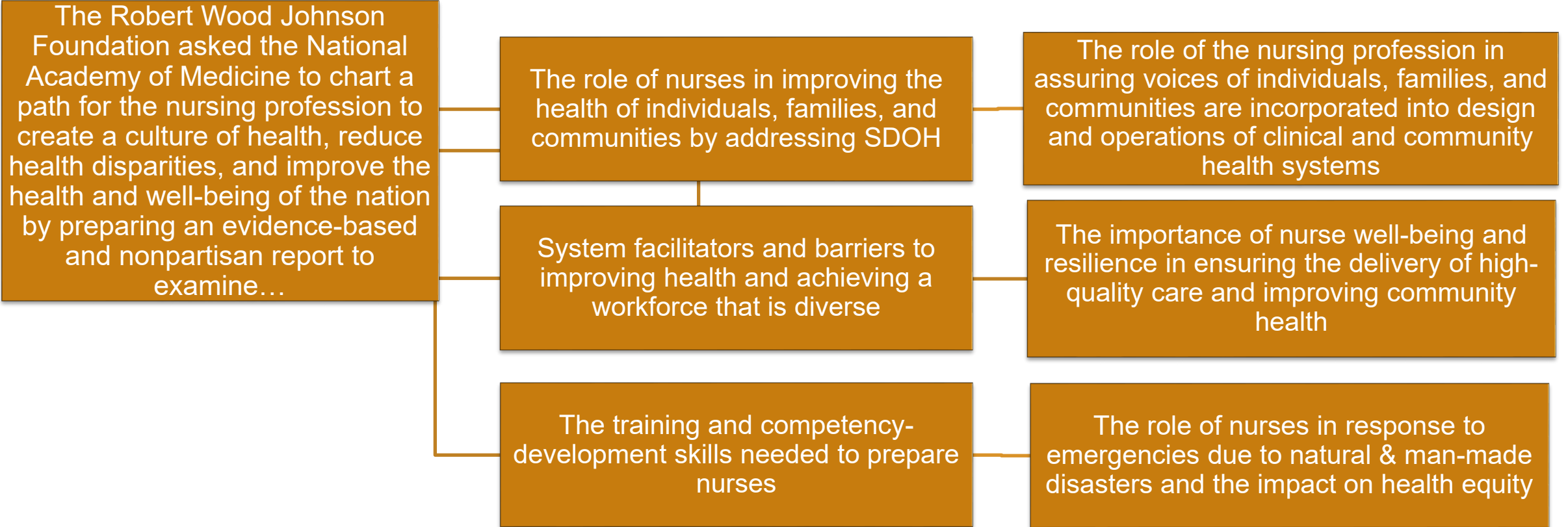
The National Academies of
SCIENCES • ENGINEERING • MEDICINE

FON 2030 Committee

- Mary K. Wakefield, PhD, RN*
- David R. Williams, PhD, MPH*
- Maureen Bisognano, MS
- Jeffrey Brenner, MD
- Peter Buerhaus, PhD, RN
- Marshall H. Chin, MD, MPH
- Regina Cunningham, PhD, RN
- Jose J. Escarce, MD, PhD
- Greer Glazer, PhD, RN
- Marcus Henderson, BSN, RN
- Angelica Millan, DNP, RN
- John W. Rowe, MD
- William M. Sage, MD, JD
- Victoria Tiase, PhD, RN
- Winston F. Wong, MD, MS

*co-chairs

Statement of Task



FON 2030 Vision

The achievement of **health equity** in the United States is built on **strengthened nursing capacity and expertise.**

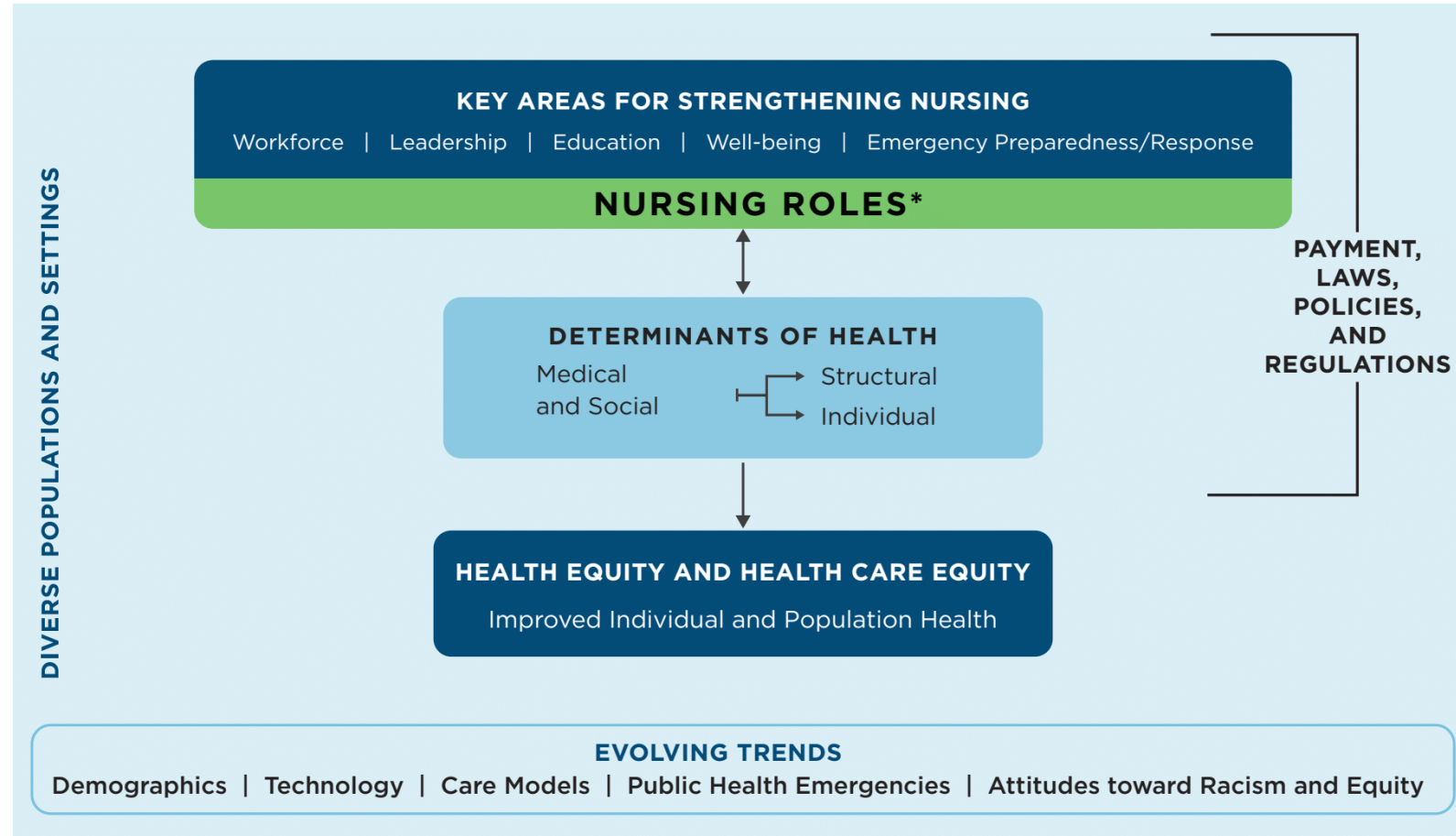
Process

- Town Halls
 1. Chicago: **Education, Research, and Practice**
 2. Philadelphia: **Payment and Care for Complex Health and Social Needs**
 3. Seattle: **High Tech, High Touch**

- Invited Panels
- Case Studies
- Published Evidence

Conceptual Framework

NURSE'S ROLE IN ADDRESSING HEALTH EQUITY AND HEALTH CARE EQUITY



*Examples of nursing roles in acute, community, and public health settings include:
Care Coordinator, Policy Maker, Clinician, Advocate, Educator, Researcher/Scientist, Administrator, Informaticist

Key Message 1: Remove Practice Barriers

- Policymakers need to permanently lift artificial regulatory and practice barriers that keep nurses from practicing to the top of their education and training and that restrict people's access to high quality care.
- Changes to institutional policies and state and federal laws adopted in response to the COVID-19 pandemic that expand scope of practice, **telehealth eligibility**, insurance coverage, and payment parity for services provided by APRNs and RNs should be made permanent.

Key Message 2: Paying for Nursing Care

- Public and private payers need to establish sustainable and flexible **payment models** to support nurses in health care and public health, including school nurses, so that they can effectively address the medical and social needs of people, families, and communities.
 - Reform fee-for-service payment models
 - Reform value-based payment
 - Reform alternative payment models
 - Create a **National Nurse Identifier**
 - Ensure adequate funding for public health nursing

Key Message 3: Strengthen Education

- Nursing schools need to strengthen education curricula and expand the environments where nurses train, better prepare nurses to work in and with communities, and diversify nursing school classes and faculties so nurses at all levels reflect the communities they care for
 - Integrate social needs, SDOH, population health, environmental health, trauma-informed care, and health equity as core concepts and competencies throughout coursework and clinical and experiential learning.
 - Prepare all nursing students to advocate for health equity through civic engagement, including engagement in health and health-related public policy and communication

Key Message 4: Promote Nurses' Health & Well-Being

- Employers must support **nurse well-being** so they can in turn support the well-being of others.
 - Nursing education programs, employers, nursing leaders, licensing boards, and nursing organizations in collaboration
 - Initiate the implementation of structures, systems, and evidence-based interventions to promote nurses' health and well-being, especially as they take on new roles to advance health equity.

Key Message 5: Create a Shared Agenda for Equity

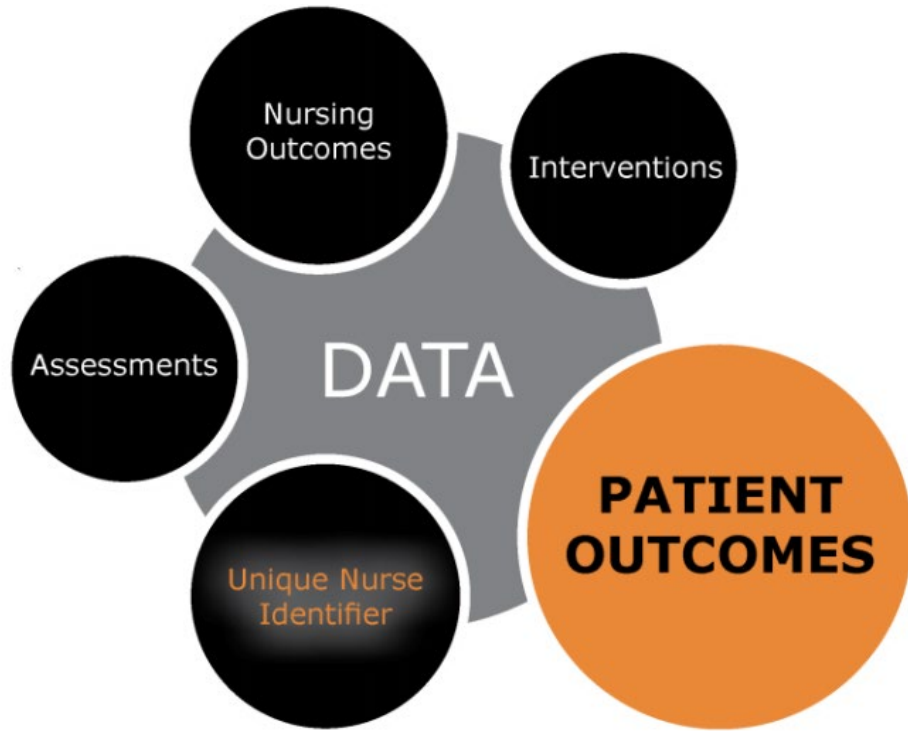
- Nurses need to **leverage their own power** to advance health equity by making sure they are well prepared to bridge medical and social needs; and **advocating** for policies that address poverty, racism and other conditions that stand in the way of health and well-being
 - Include explicit priorities across nursing practice, education, leadership, and health policy engagement.
 - Address structural racism, cultural racism, and discrimination within the nursing profession across educational and practice settings, and to build structures and systems that promote inclusivity and health equity.

SDOH Data

- Tools for Collection
- Share Across Settings
- Incorporate into Nursing Practice
- Data on Environmental Factors



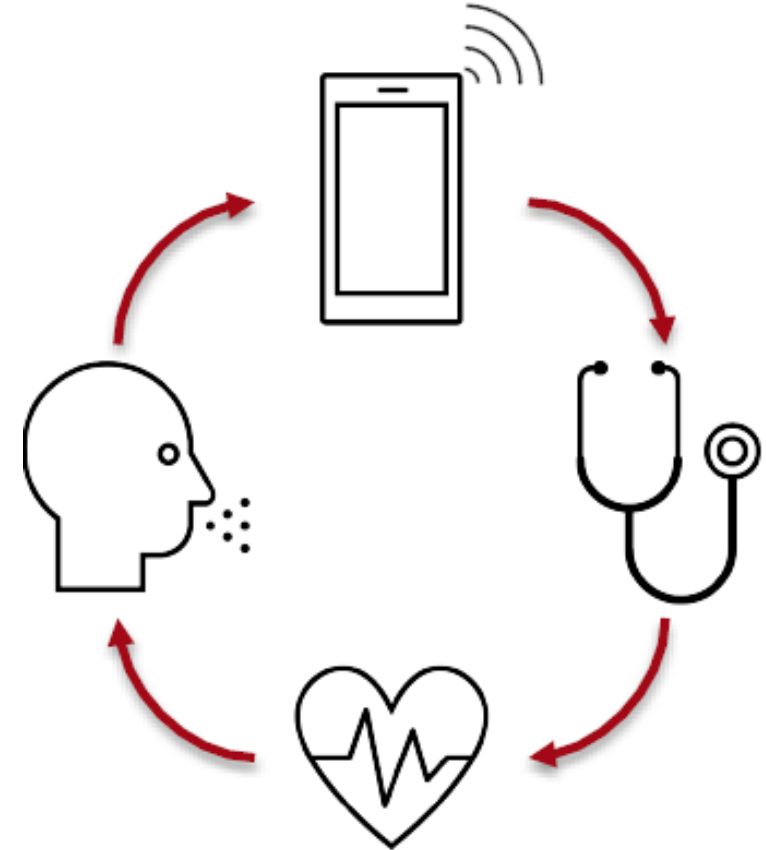
Unique Nurse Identifier



- Demonstrate Nursing Value through Research
- Associate Nurse Characteristics with Patient Characteristics
- Impact on Individual and Population Outcomes

Technology Tools

- Increase Access
- Project a Caring Relationship
- Connect with Patients
- Big Data Analyses
- Inform Design and Development
- Free of Bias



Technological Stress

- Connection to Nurse Well-Being
- Redesign of Clinical Documentation
- Examine Clinical Alarms and Alerts



Call for Nurse Informaticists

- Use informatics processes to deliver safe nursing care to diverse populations in a variety of settings
- Leverage artificial intelligence and advanced visualization methods to summarize and contextualize SDOH data
- Analysis of massive datasets and impact on health
- Implementation of digital technologies that facilitate the collection and integration of SDOH
- Use data to detect and track disease trends, identify disparities, and find patterns of correlation

Rec 6: Use Technology, Integrate SDOH data

- All public and private health care systems should incorporate nursing expertise in designing, generating, analyzing and applying data to support initiatives focused on social determinants of health and health equity using diverse digital platforms, artificial intelligence, and other **innovative technologies.**

#	Sub-Recommendation
6.1	Integrate data on SDOH and build a nationwide infrastructure
6.2	Ensure that health equity data collaboratives improve visualization of data on SDOH
6.3	Employ nurses with expertise in informatics to improve individual and population health
6.4	Give nurses in clinical settings responsibility and associated resources to innovate and use technology
6.5	Provide resources to facilitate telehealth by nurses

6.1 Integrate data on SDOH and build a nationwide infrastructure

- Facilitate referrals for care
- Facilitate coordination and connectivity among health care settings and the public and nonprofit sectors.

6.2 Ensure that health equity data collaboratives improve visualization of data on SDOH

- The Gravity Project

6.3 Employ nurses with expertise in informatics to improve individual and population health

- Expose all nurses to informatics
- Provide a pathway for those looking to leave the bedside

6.4 Give nurses in clinical settings responsibility and associated resources to innovate and use technology

- Design of personal and mobile health tools
- Coordination of community and public health portals
- Methods for effective communication using technology
- Evaluation of datasets and artificial intelligence algorithms for racial bias
- Partnerships with corporate settings outside of health care delivery (e.g., large technology organizations, private insurers)

6.5 Provide resources to facilitate telehealth by nurses

- National strategy for a broadband/5G infrastructure
- Increase availability of the necessary hardware: smartphones, computers, and webcams for high-risk populations

Action and Advocacy

- Stay connected
- Develop action plans, roadmaps
- Participate in collaboratives
- Align with your nursing specialty organization

This is the just the beginning!

Resources

- www.nap.edu/nursing2030
- <https://www.nap.edu/download/25982>
- <https://www.statnews.com/2021/05/18/all-states-should-harness-nurses-full-potential/>
- <https://www.healthaffairs.org/doi/10.1377/hblog20210511.490956/full/?mi=3u3irl&af=R&ConceptID=1442&content=blog&countTerms=true&target=topic-blog>
- <https://campaignforaction.org/transforming-nursing-education-to-achieve-health-equity/>
- <https://www.himss.org/news/report-embracing-future-nursing>