

Simulation in Nursing Education: A Call to Action

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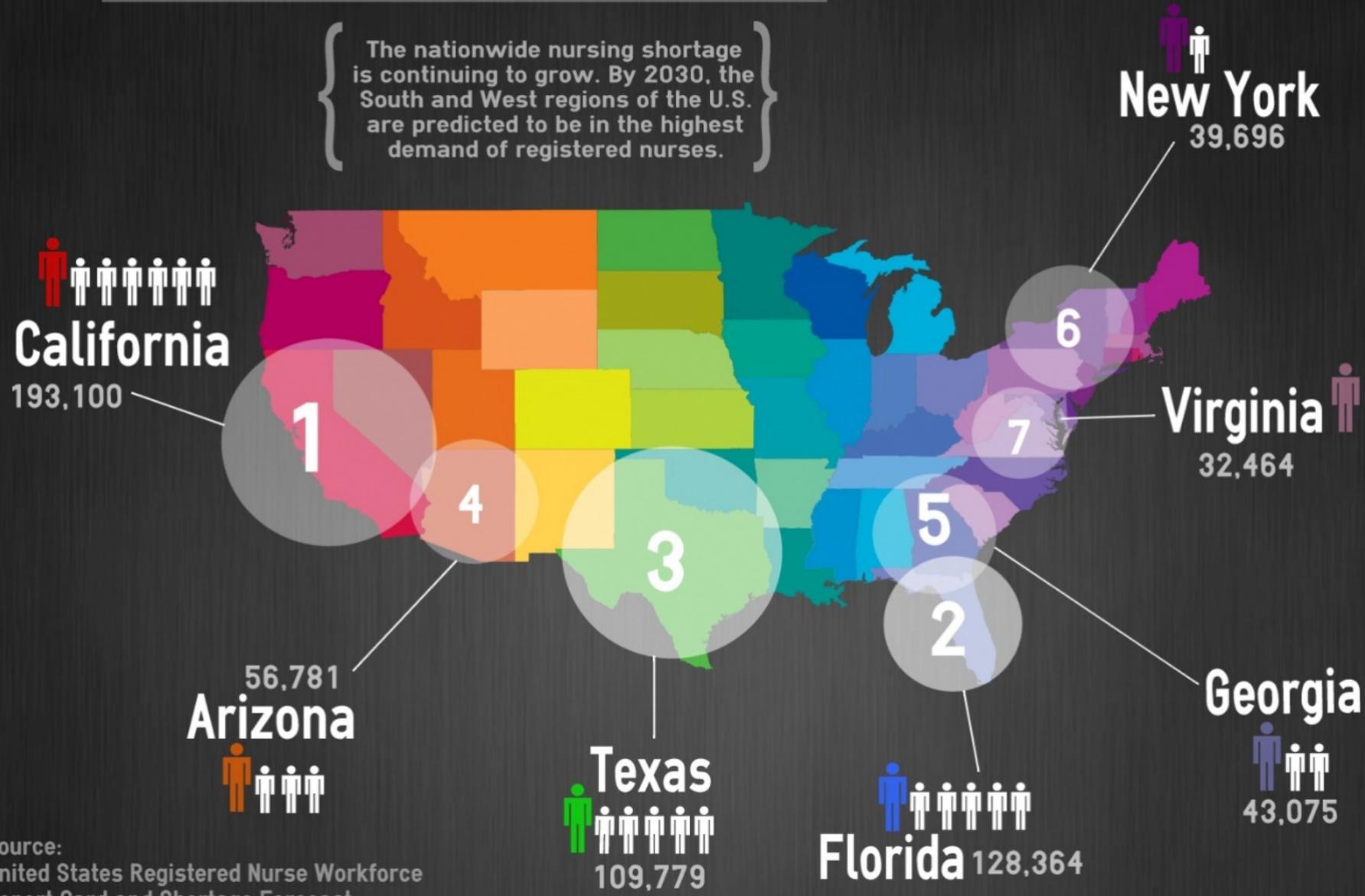
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TOP 7 STATES WITH THE HIGHEST NURSING DEMAND

The nationwide nursing shortage is continuing to grow. By 2030, the South and West regions of the U.S. are predicted to be in the highest demand of registered nurses.

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Source:
United States Registered Nurse Workforce
Report Card and Shortage Forecast

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THE FUTURE OF NURSING

The nursing profession has the potential capacity to implement wide-reaching changes in the health care system.

WITH MORE THAN 3 MILLION MEMBERS,
NURSES REPRESENT THE LARGEST SEGMENT OF THE U.S. HEALTH CARE WORKFORCE.

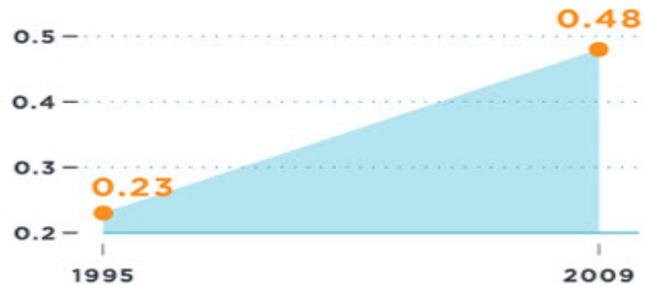


TRANSFORMING PRACTICE

NURSES AND PRIMARY CARE

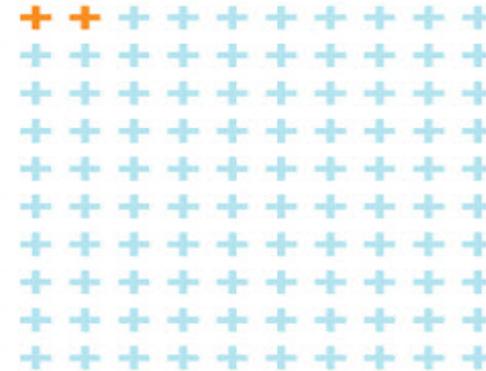
Nurses provide primary care services across the spectrum of health care settings. The range of possibilities for nurses providing primary care is significant, and their capacity for filling these roles is not always recognized.

Numbers of nurse practitioners and physician assistants are steadily INCREASING.



BETWEEN 1995 AND 2009, THE NUMBER OF NURSE PRACTITIONERS PER PRIMARY CARE MD MORE THAN DOUBLED, from 0.23 to 0.48. The number of physician assistants per primary care MD also increased.

Numbers of medical students and residents entering primary care are DECREASING.



A 2008 SURVEY OF MEDICAL STUDENTS FOUND ONLY 2% PLANNED CAREERS IN GENERAL INTERNAL MEDICINE.

IT IS POSSIBLE TO INCREASE THE SUPPLY OF BOTH NPs AND PAs IN A RELATIVELY SHORT AMOUNT OF TIME, HELPING TO MEET AN INCREASED DEMAND FOR CARE, INCLUDING CARING FOR UP TO 32 MILLION PREVIOUSLY UNINSURED AMERICANS.

NURSES SHOULD PRACTICE TO THE FULL EXTENT OF THEIR EDUCATION AND TRAINING.

Success Stories!



Our simulation hospital!



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Women and Children's Health

- Labor & Delivery
- Neonatal ICU
- Pediatric ICU



Four Operating Rooms



Anatomage[®] Table



Medical – Surgical Floor/ICU



Transitional Care/Home Care



Highlights



Search

Safety Measures

Communication

Assessments

Interventions

Drugs & IV Management

Tests & Diagnostics

Call for Assistance

Educate Patient

Ask Questions: Pain assessment

Ask Questions: Current illness

Select question from list below

- What do you need?
- How are you feeling?
- What happened?
- When did the symptoms start?
- What were you doing when the symptoms started?
- Do you have difficulty in breathing?
- What other symptoms do you have?
- Have you had anything to eat or drink today?
- Do you feel better now?
- What did the emesis look like?
- Do you feel nauseated?
- Do you need something for the nausea?
- Can you move your toes?
- Can you feel your toes?

Ask Questions: Past medical history

Ask Questions: Orientation

12:30pm

HR
-7-

HRBP
-7-

SpO2
-7-

Electronic Health Record

Call Provider

Patient Handoff



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Virtual Sim and Virtual Reality

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Disaster Preparedness



Interprofessional Education

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Handover and Transport

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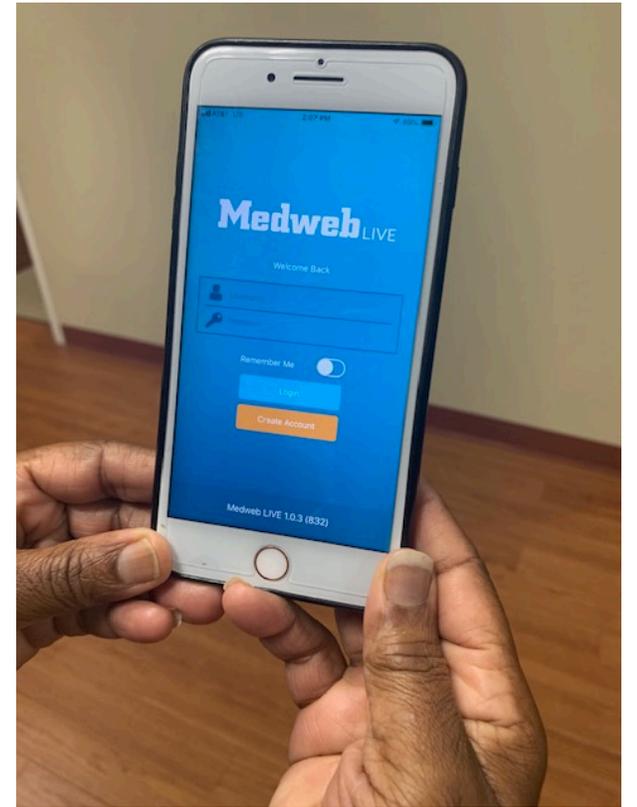
Cultural Humility

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Telehealth

Medweb[®]



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Family Caregiver Education



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Challenges

- Shortages
 - Registered Nurses
 - Nurse Educators
 - Clinical Sites
- Rapidly changing technology
- Major gaps in readiness for practice
- Expanding roles without the technology and infrastructure

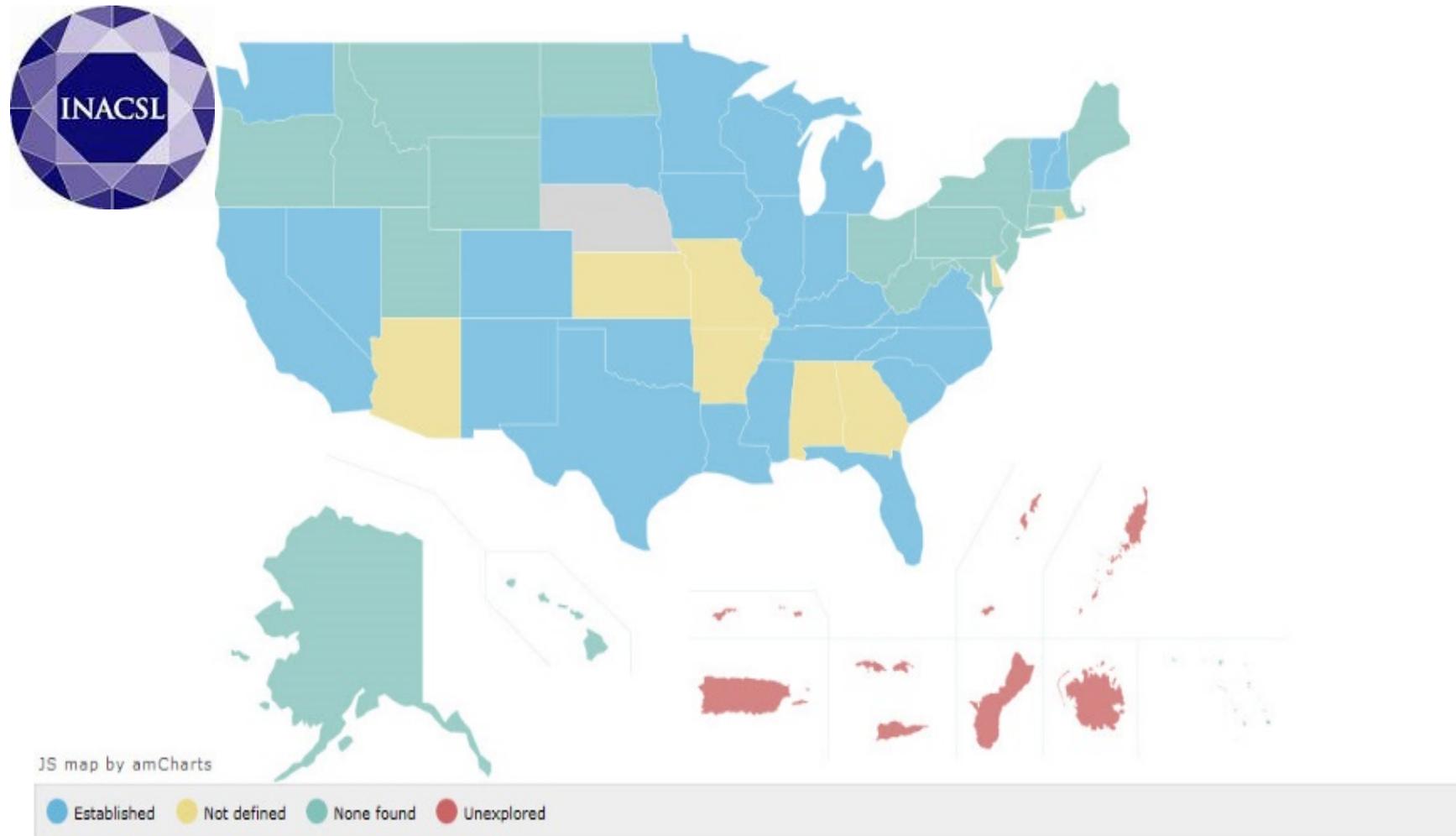


Simulation: The Evidence



- Up to 50% of clinical can be substituted with simulation

State Boards of Nursing





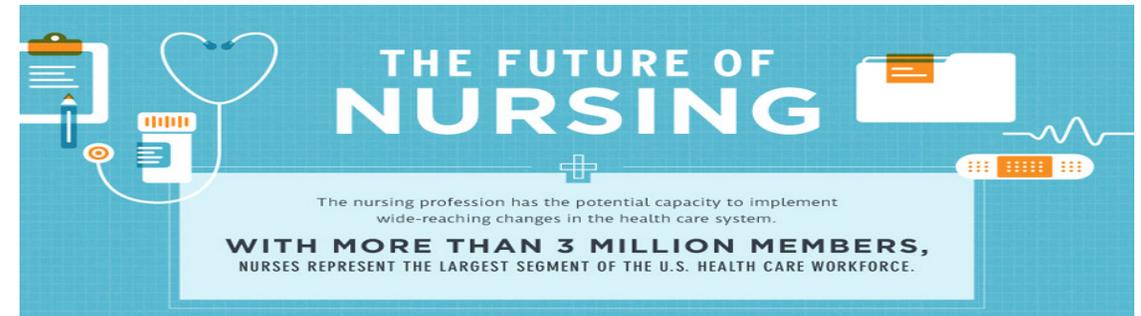
Call to Action

- **Support**

- Standardize policy across State Boards of Nursing to allow up to 50% of clinical in simulation
- Prioritize development of simulation programs in rural educational programs
- Faculty training and development
- Nursing to work to their full scope of practice as they transition to bridge shortages in primary care

- **Appropriations**

- Nursing Workforce Development
- Nurse Residency Programs
- Nurse Faculty Loan Program
- Health Professions Education and Training
- Simulation & Technology



Thank 



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