

CREIGHTON UNIVERSITY
ARIZONA HEALTH EDUCATION ALLIANCE

Partnering for the Future of Arizona

Creighton
UNIVERSITY

Arizona Health
Education Alliance



Four impressive partners. One exceptional alliance. A healthier Arizona.

In 2017, Creighton University, Dignity Health St. Joseph's Hospital and Medical Center, Valleywise Health and District Medical Group joined together in the Creighton University Arizona Health Education Alliance, strengthening and expanding graduate medical education in Arizona.

The Alliance provides learners with essential patient-care experience in prominent mission-focused Phoenix facilities. Together, we're training the next generation of physicians and health care providers. With hands-on experience and a commitment to caring for a diverse community, we're increasing the number of compassionate health care professionals in the region.

As we move forward, we're guided by a spirit of service learning and a commitment to community.



Message from the Executive Director

Creighton University Arizona Health Education Alliance is uniquely committed to the health of Arizona. Together, we're ensuring that our learners have access to state-of-the-art medical facilities and a diverse population of patients.

Our mission is rooted in values of social justice and human dignity and deepening our shared commitment to care for the whole person. We're taking bold steps to ensure a healthier region through the formation of a health care professional workforce that represents, uniquely understands and compassionately serves all, including our most vulnerable.

In the following pages, we invite you to learn more about:

- How we're working together to provide effective training and fulfill our mission of increasing the health care workforce in Arizona
- How the Creighton Alliance supports the education and development of our all learners
- The importance of diversity in the health care workforce

Sincerely,

Erica Brown
Executive Director,
Creighton University Arizona Health Education Alliance

Arizona's Dire Health Care Provider Shortage

Arizona faces significant challenges when comparing growth and diversity to the number of practicing health care providers.

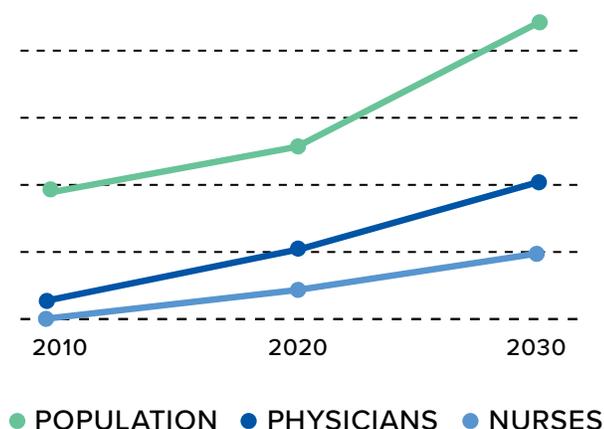
Arizona's population has grown significantly in the last decade, with at least 200 people per day relocating to Maricopa County. As a border state with one of the largest indigenous populations in the nation, the region is diverse and underserved with significant health disparities.

More than 30% of the population is Hispanic, and 18% of the population is older than 65. Large portions of Native American tribal communities include isolated areas with limited access to transportation, critical care services, and health education support. More than 40% of Arizona's population lives in federally designated Health Professional Shortage Areas.

Arizona meets only 40% of its primary care provider need, ranking 42nd in the nation. Just 78 primary care physicians serve every 100,000 residents, compared to the national average of 121 per 100,000. The state requires more than 1,900 additional primary care physicians in the next decade simply to meet demand.

Because physicians and health professionals support the health of our state's citizenry as well as its economic vitality, there is an urgent need for solutions. Placing and retaining physicians in our communities improves vital access to health services; grows the number of practicing faculty to mentor, precept, and train future physicians, nurses, and other health care professionals; and creates jobs in those communities to bolster regional economic growth. We know that approximately 70% of physicians will stay and practice where they finish their training. We hope these health care providers will train and stay in Arizona to serve our growing population.

PROJECTED SHORTAGES IN ARIZONA



HEALTH
PROFESSIONAL
SHORTAGES
BY 2030
90,000
PHYSICIANS
50,000
NURSES





BY THE NUMBERS

FROM A NEED ...

According to the Association of American Medical Colleges (AAMC) Physician Workforce Profile, Arizona ranks low in the national average for active practitioners per state.



32nd

OUT OF 50
for active
physicians



40th

OUT OF 50
for active general surgeons



42nd

OUT OF 50
for active primary
care physicians

... TO AN EXPANDING NETWORK ...

Creighton's presence in Arizona, including the Phoenix Health Sciences Campus, will build resources for a stronger health infrastructure.



320+
residents
and fellows



NEARLY
900
students expected
annually by 2025,
including medical, OT, PT,
nursing, pharmacy and
physician assistant students



17
residency/
fellowship
programs



The Need for a *Diverse Health Care Workforce*



The COVID-19 pandemic laid bare the long-standing inequities in access to and quality of health care. These barriers create negative health outcomes from preventable and treatable conditions, resulting in higher rates of chronic disease and premature death.

As a result, care environments have become increasingly challenged and complex. They require health care leaders with professional and cultural competencies in community and public health, interdisciplinary collaboration, evidence-based research and practice, and a commitment to social justice and servant leadership.

The next generation of health professionals must not only reflect the demographics of the communities they serve. They also require training environments embedded in community-based clinics and points of care accessible to the underserved; the preparation and tools to manage sophisticated knowledge and support complex clinical decision-making; and skills to lead challenging health system change. Additionally, they must possess the ability to research, evaluate, and apply innovative solutions to individual bedside care.

Most importantly, the next generation of health professionals must be knowledgeable, compassionate advocates for culturally relevant care, and represent the communities they serve.

Diversity among health professionals is slightly greater than diversity in the U.S. population. However, people of color primarily occupy entry-level jobs with lower-level educational requirements and limited career growth rather than roles involving diagnosis and treatment that require extensive education, such as primary care physicians.

Students of color remain underrepresented in the health professions pipeline. *AAMC Medical Education FACTS 2020* indicates only 8% of applicants and matriculants in U.S. medical schools are African American, while 13% of the population identifies as Black, and only 6% are Hispanic, despite comprising 19% of the U.S. population. Far fewer are Native American, Alaskan Native, or Pacific Islander applicants and matriculants, with the combined total under 1%.

Racial and ethnic concordance is low among physicians and their patients. Only 23% of African Americans and 26% of Hispanics have a physician who shares their race or ethnicity, compared to 82% of white Americans. Meanwhile, the majority of nurse practitioners, occupational therapists, and physical therapists are female and only 25% are non-white. Population trends point to an ever-widening gap in representation between the health professions workforce and the general population.

BY 2060
**over half of the
U.S. population**

*will be made up
of people of color*

BETWEEN 2016 AND 2060
THE HISPANIC COMMUNITY
WILL GROW TO

111 million

*The largest-growing ethnic
group in the United States*

THE AFRICAN AMERICAN
POPULATION
will increase 42%

during the same time

AMERICAN INDIAN, NATIVE
ALASKAN, AND PACIFIC
ISLANDER COMMUNITIES ARE

**projected to
increase 49%**

PEOPLE IDENTIFYING AS
TWO OR MORE RACES ARE

**projected to
grow by 200%**

*The fastest growing ethnic
group in the United States*

A Closer Look at the Alliance

OUR HISTORY

In September 2017, Creighton University, Dignity Health St. Joseph's Hospital and Medical Center, Valleywise Health and District Medical Group entered into a strategic partnership to strengthen and expand Graduate Medical Education (GME) programs administered by each institution. The Creighton University Arizona Health Education Alliance serves as the centralized organization administering residencies and fellowships, supporting academic success, wellness, research opportunities and more.

The Creighton Alliance board of directors is composed of representatives from the partnering institutions that make up the Creighton Alliance.

The board is responsible for developing and evaluating the Alliance strategic plan and for nurturing optimal clinical and academic learning environments.

Implementation is lead by the executive director, who oversees a core team of staff members. The staff supports the operations and resources available to the Creighton Alliance members and learners.

More than 320 residents and fellows currently train at member institutions. By 2025, more than 900 Creighton University health science students will be rotating through the Creighton Alliance clinical learning environments and partner sites in Arizona.





Together,
the Creighton
Alliance
supports:



Student operations

*including facilitation of rotations
and understanding capacity*



Academic support

*such as interviews
and board exam prep*



Scholarly activity



Faculty development



Wellness program

for faculty, residents and fellows



Graduate medical education

OUR GRADUATE MEDICAL EDUCATION PROGRAMS



8 residency programs

Emergency Medicine

Family Medicine

General Surgery

Internal Medicine

Obstetrics and Gynecology

Podiatry

Psychiatry

Radiology-Diagnostic



9 fellowship programs

Child and Adolescent Psychiatry

Gastroenterology

Hospice and Palliative Medicine

Minimally Invasive
Gynecologic Surgery

Surgical Critical Care

Women's Imaging

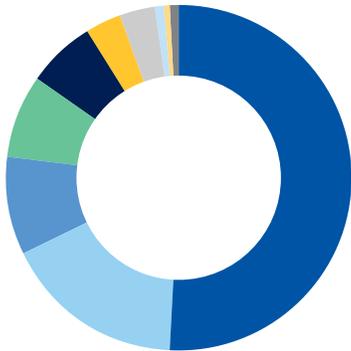
Emergency Medicine Ultrasound

Global Obstetrics
and Gynecology

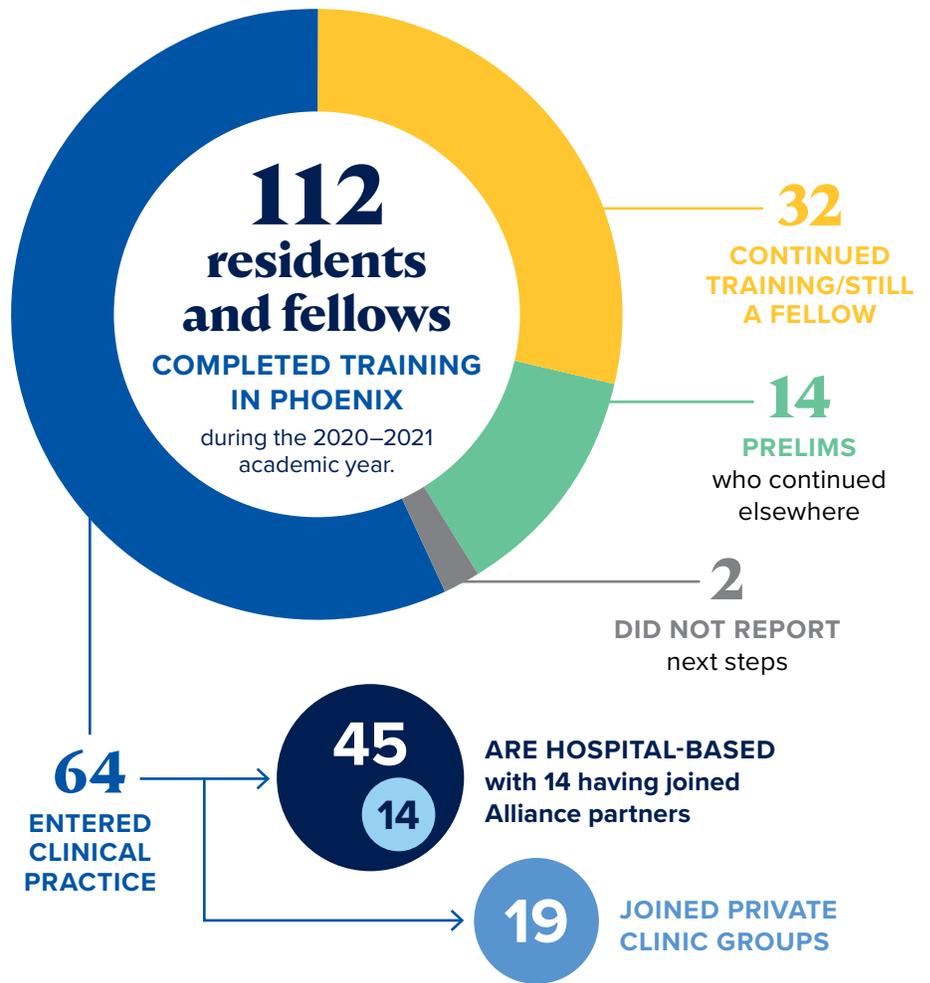
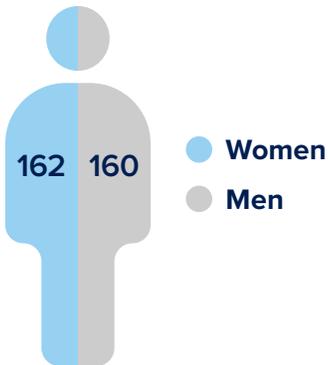
Burn and Surgical Critical Care

Graduate Medical Education: By the Numbers

DIVERSITY IN CREIGHTON'S FY22 RESIDENTS AND FELLOWS



- 164 White
- 55 Asian
- 29 Hispanic/Latin American
- 25 Indian
- 21 Middle Eastern
- 11 Black/African American
- 10 Other or Not Provided
- 3 American Indian/Alaskan Native
- 2 Vietnamese
- 2 Native Hawaiian



55 stayed in Arizona
TO CONTINUE TRAINING OR BEGIN CLINICAL PRACTICE



93% are in Maricopa County

RESEARCH AND SCHOLARLY ACTIVITIES 2020–2021 ACADEMIC YEAR

93% board pass rate
AMONG ALL PROGRAMS

60+ publications
BY OUR RESIDENTS AND FELLOWS

80+ abstracts
PRESENTED AT CONFERENCES



The Alliance Mission

To improve the quality of the education experience for all learners through the operation of high-quality academic medicine programs that produce top clinical health professionals trained in quality and safety that will be ideal for the medical workforce requirements of Arizona and the affiliate partners.

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