Health Workforce for Health Equity

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The health workforce is a critical component of any health care system. There is no health care without the people who provide service. As such, the health workforce has a central role in addressing (or maintaining) health disparities.

Health disparities are significant and have worsened over the last 20 years in the United States.1 A growing body of evidence has exposed the role of health care systems in contributing to these disparities. Based on race/ethnicity, sex, sexual identity, socioeconomic status, and geography, communities face disproportionately higher disparities in access, diagnosis, and treatment, ultimately resulting in adverse health outcomes. With coronavirus disease 2019 (COVID-19), it became clear that the inequities are experienced by health workers and those at high risk and who need care. Early challenges with limited personal protective equipment (PPE) increased risks for all health workers but also highlighted the disproportionate risk and lack of PPE for different workers, such as home health care workers who often work at or below minimum wage.2 Evidence suggests Black and other minority health workers have been at higher risk of COVID-19 infection.3

At least 6 critically important factors determine whether and what kind of care our society’s most disadvantaged sectors receive. These include: who enters the workforce (its composition); how they are educated and trained; how they are distributed geographically and by specialty; which patients and communities are served; how their practice is oriented; and, lastly, the working conditions of the entire health workforce—including home health care workers, support staff, allied health professionals, public health, physicians, nurses, and many others.

A HEALTH WORKFORCE EQUITY FRAMEWORK

In examining the health workforce’s role in advancing health equity, it is important to operationalize these domains with measurement. It is also critical that we better understand the impact of different policies and programs on health equity through each of these 6 interconnected domains. The goals of each domain are to advance: (1) a diverse composition of the health workforce; (2) the social mission of health professions’ education; (3) provider distribution according to population need; (4) high-need patients being served; (5) practice patterns that are oriented to addressing root causes of disparities; and (6) safe and fair working conditions for all members of the health workforce.

Diverse Composition

The diversity of the health workforce is critical for health equity. It has implications for access, quality, health equity, and job opportunities in low-income communities. Evidence demonstrates Black, Hispanic/Latinx, and Native American health professionals are more likely to practice in underserved communities.4,5 Students from rural backgrounds are more likely to practice in rural communities.6,7 Female physicians have been
shown to practice differently than male physicians and may even achieve better clinical outcomes. Early evidence also suggests diversity in health professions education can increase student cultural competence and decrease implicit bias. A more diverse health workforce can bring various perspectives needed to identify and address the complex structural biases embedded in health care systems. Yet, the health professions continue to struggle with diversity, with a notable dichotomy between higher and lower-income occupations. In many of the higher income professions, the representation of Black clinicians is half that of the comparable US population. The representation of Hispanic clinicians is one third, and the diversity of health professions training programs continues to perpetuate the problem. In contrast, 1 in 4 home care workers is a Hispanic woman, and 1 in 3 nursing assistants is a Black woman. More work is needed to understand additional aspects of diversity, including socioeconomic background, sexual identity and orientation, disabilities, etc.

Social Mission of Health Professions’ Education

The social mission of a health professions school is the school’s contribution in its mission, programs, and the performance of its graduates, faculty, and leadership in advancing health equity and addressing the health disparities of the society in which it exists. The education pipeline plays an important role in determining the future workforce—who enters the workforce, which professions are produced, and whether graduates choose high-need specialties, practice in underserved populations, and have the skills and courage to advance health equity. Yet again, evidence demonstrates significant variation across training programs in their social mission outcomes and their engagement in social mission activities, such as interprofessional education, training in social determinants of health, and addressing racial equity and inclusion in their institutions.

Provider Distribution According to Population Need

As is the case in many countries, there is a chronic maldistribution of clinicians in the United States, both in terms of specialty and geography. Studies demonstrate that primary care physician supply is associated with lower mortality and better patient outcomes. However, a rural, underserved, and high-need specialty workforce remains an ongoing challenge. While 16% of the US population lives in rural areas, just 8% of primary care clinicians and 5% of nonprimary care clinicians practice in these areas. As of 2021, the Health Resources and Services Administration estimates 83 million people live in primary care Health Professional Shortage Areas (HPSAs), 61 million live in dental HPSAs, and 122 million people live in mental health HPSAs. These areas include rural and urban communities. Moreover, the production and distribution of physicians by specialty have little to do with population needs, and this situation has been worsening. For example, since 2005, the per capita supply of primary care physicians has decreased, particularly in rural counties. Both aspects of maldistribution create serious barriers to access for care for underserved communities.

High-need Patients Served

Distribution of the health workforce is a necessary but insufficient attribute to address access and health equity fully. The health workforce must also serve high-need patients, including Medicaid beneficiaries, the uninsured, underinsured, and high-need populations (eg, LGBTQ+ and individuals with disabilities, complex comorbidities, homelessness, etc.). Provider acceptance rates for Medicaid patients are known to vary. Whether health care providers serve Medicaid patients at all and how much service they provide are important determinants of health care access for this low-income population. The types of services provided to less advantaged groups are equally important. For example, when primary care providers offer reproductive health and behavioral health services, they enhance access to care for historically marginalized communities.

Practice-oriented to Root Causes

Historically, and mainly since the creation of Medicare in the 1960s, our health care system has operated under a fee-for-service paradigm that favors quantity of services, in some instances to the detriment of health outcomes, over the value of services measured in patient and population outcomes. Studies show that working in interdisciplinary teams, coordinating care across organizations and providers, and engaging with broader cross-sector resources to address social determinants of health are approaches that can address causes of health disparities. Further, developing and evaluating new and emerging models (eg, telehealth, community health workers, etc.) can ensure health care reforms advance health and health equity.

Safe and Fair Working Conditions

COVID-19 has exposed many areas of inequities in our society and the extraordinary conditions under which many frontline health workers work. This includes insufficient resources, such as PPE and staffing shortages in many settings. In addition to concerns over personal safety and staffing shortages seen during COVID-19, ongoing challenges around workload, administrative burden, and working in ethically fraught conditions contribute to health worker burnout and moral injury. For low-wage health care workers, who are disproportionately women and people of color, conditions are even worse. Support personnel in hospitals and direct care workers in skilled nursing facilities and home care, who face challenging, often physically demanding work, earn $12–$14 an hour. These health workers are, of course, facing the same challenges as others in their communities: housing instability, food insecurity, childcare challenges, lack of health and dental insurance, and in some cases, racism.

THE HEALTH WORKFORCE EQUITY ECOSYSTEM

The health workforce and the outlined equity domains are part of a complex ecosystem of policies, programs, and practices driven by stakeholder interests. System-level players, including federal, state, and local governments, professional regulators (eg, certifying bodies), education program accreditors, educational institutions, health care organizations (and employers), and commercial health plans, all have a stake and role in the health workforce equity (Fig. 1).
Educational funding streams at the state and federal level drive priorities and health equity outcomes. For example, federal and state graduate medical education funding for residency training represents the largest public investment in health workforce development. However, the current system focuses largely on the physician workforce. It ties funding to hospitals, skewing workforce priorities to hospitals rather than community needs and creating institutional stakeholders with a strong interest in maintaining the status quo. National organizations, including the Medicare Payment Advisory Commission and the National Academy of Medicine, have called for graduate medical education funding reform to address national health workforce needs. National Institutes of Health funding influences the academic culture and shows a negative correlation to social mission outcomes..

Regulatory oversight of the professions and education programs influences health workforce equity. Federal, state, or local governments and professional regulatory bodies may regulate the health workforce. Scope of practice laws across states is an active policy area that affects how the health workforce practices. For example, states with more nurse practitioner (NP) scope of practice authority have higher per capita NPs and greater NP presence in rural and underserved communities—an important health workforce equity outcome.

Accrediting bodies also play a role in advancing the domains of health workforce equity. The Liaison Committee on Medical Education’s introduction of diversity accreditation standards was influential and appeared to bend the curve on female and Black students, improving lagging representation in US allopathic medical schools.

Health care payment policies and organizational rules drive workflow. These policies may include requirements associated with payment as well as the incentives of existing and new payment models. With COVID-19, several Medicare and Medicaid rules were relaxed to allow flexibility in addressing emergent health workforce needs. These include waivers to support the increased use of telehealth and expanded scope of practice (eg, allowing NPs and physician assistants to order tests and medications that previously required a physician’s order). Mental health parity laws increasing payment for mental health services influence the health workforce to increase mental health access. Changes and payment innovations with the Medicaid and Medicare programs will drive health care delivery and health workforce practice.

Many players ultimately determine the “who, where, how, to whom, and under what conditions” health workers deliver services. There is a need to work across the ecosystem in all 6 health workforce equity domains to advance health equity. Research in all domains, metrics, and measurements is required to understand the health workforce’s current state and its role in health disparities. Innovation, evaluation, and the scale and spread of evidence-based practices, programs, and policies are needed, and on all domains, ongoing tracking and accountability should be developed to ensure the health workforce advances health equity.

FIGURE 1. Health workforce equity ecosystem.
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