INTRODUCTION

American Indian and Alaska Native (AI/AN) individuals receive health care in all the same health care settings and venues as any other racial/ethnic group in the United States. The Indian Health Service (IHS), however, is a primary provider of federal health care that is specific to the AI/AN population. The IHS is a division within the U.S. Department of Health and Human Services responsible for providing direct medical and public health services to members of federally recognized AI/AN tribes. With fewer than 20% of AI/AN individuals enrolled as members of a federally recognized tribe, IHS facilities often being geographically inaccessible to those that are eligible for their services, and the limited services offered by the IHS (described below), many AI/ANs need to obtain services outside of the IHS. Thus, discussions about the health workforce serving the AI/AN population should consider both workforce issues within the IHS and culturally appropriate care in all health care settings.

In this rapid response policy brief we provide an overview of the IHS, discuss tribally operated health services, and access to health services and insurance outside of tribal or IHS networks. Understanding how AI/AN populations obtain care is important to identifying the health workforce that may serve the AI/AN community. We also describe the representation of AI/AN populations within the health care workforce. We highlight recommendations and strategies identified to strengthen the health workforce providing care for AI/AN populations based on the limited public information available on the IHS workforce and workforce-specific studies on AI/AN population needs.

AI/AN ACCESS TO HEALTH COVERAGE AND CARE

The Indian Health Service (IHS)

Through a series of treaties going back to 1784, the U.S. government assumes responsibility to provide health care to federally recognized tribes and their descendants. AI/AN individuals are the only racial group that have this sovereign right in the U.S. The responsibility of delivering health care to AI/AN populations has changed hands across the federal government multiple times and currently resides with the IHS, which today provides care to approximately 2.2 million
members of federally recognized tribes (see Boxes 1 and 2). IHS services consist largely of primary and emergency care, but include some ancillary and specialty services. The IHS operates facilities in 37 states and currently consists of 630 health centers, clinics, and health stations (health stations provide primary care services, but are typically smaller than IHS clinics and offer limited hours). The IHS also operates 46 hospitals that range in size from 4 to 133 beds.

BOX 1. DEMOGRAPHICS AND TRIBAL REPRESENTATION

Representation of AI/ANs in U.S. Population
- 9.6 million, or 2.9% of U.S. population in 2020
  - 3.7 million identified as AI/AN as only race
  - 5.9 million identified as AI/AN in combination with another racial group

Number of tribes
- 574 federally recognized tribes
- 63 state-recognized tribes
- Note: Tribal status may be formally recognized by the U.S. federal government, by states, or by the tribe only. State and federally recognized tribes do not necessarily recognize one another.

Tribal enrollment and residence
- An estimated 1.9 million AI/AN individuals (less than 20% of those who self-report as AI/AN) are enrolled members of a federally recognized tribe. Of these, 22% live on reservations or other trust lands and approximately 60% live in metropolitan areas.
- Approximately half of federally recognized tribes are not associated with a reservation.

Tribal languages
- English is the predominant language spoken at home, school, and the workplace in AI/AN communities, but 169 tribal languages are also spoken among an estimated 372,000 individuals.

However, since the 1950s when the IHS was developed, more than 1 million AI/AN individuals have moved to metropolitan areas from reservations, making access to IHS facilities difficult. Although 60-70% of AI/AN individuals live in urban areas only 1% of the IHS budget is directed toward urban Indian health centers and programs. Thirty-three urban Indian health projects supplement IHS facilities by providing limited primary care services, community health, and outpatient and inpatient substance abuse services to members of federally recognized tribes who live in select urban areas. Recent efforts, such as grants, additional funding, and calls to action have drawn attention to the need for health services among AI/AN individuals living in urban areas.

Tribally operated health services
The IHS also provides care through services purchased from private providers and tribally contracted and operated health programs. Eighty percent of the 630 health centers, clinics, and health stations and one third of IHS hospitals are tribally operated.

BOX 2. CRITERIA FOR TRIBAL ENROLLMENT

Tribes themselves decide who qualifies as a member and eligibility criteria differ from tribe to tribe. Common requirements for membership are documented tribal lineage, relationship to a tribal member who descended from someone named on the base roll (i.e., the original list of members as designated in a tribal constitution), tribal blood quantum, tribal residency, or continued contact with the tribe.

IHS care for AI/ANs living in urban areas
Most IHS funds are appropriated for AI/ANs who live on or near reservations or Alaska Villages, which are typically in remote rural locations (see Box 3).
BOX 3. FUNDING AND STRUCTURE OF IHS

IHS funding is limited and must be appropriated by Congress each fiscal year. The appropriated funds are then distributed to IHS facilities across the country and serve as their annual budget. If service demands exceed available funds, services are prioritized or rationed. In 2021, the federal appropriation for the IHS was $6.24 billion. IHS and tribal providers supplement IHS funding with reimbursement for provided services from private insurers, Medicare, Medicaid, the Veterans Administration, funding from tribes, and grants. In fiscal year 2019, $1.14 billion was collected from third party insurers, of which $995 million was collected from Medicare and Medicaid and $138,349 million was collected from private insurers.

The federal funding that IHS receives is shared between Direct Service Tribes (DSTs) and Self-Governance Tribes (SGTs).

- **DSTs**: Tribes that in whole or in part receive primary health care directly from the IHS. DSTs choose to rely on the IHS for health care delivery due to a lack of resources and infrastructure, rural location, and a belief that the United States upholds its treaty obligations by providing direct services.

- **SGTs**: Tribes that negotiate with IHS and assume funding and control over programs, services, and functions that IHS would otherwise provide. Tribes are increasingly choosing to operate their own health programs.

DSTs receive roughly 40% of IHS’s funding and approximately 56% of the IHS budget is operated directly by the tribes through self-governance contracts and compacts.

other health insurance to supplement their IHS care. To highlight the need for supplementary insurance, the Centers for Medicare & Medicaid Services (CMS) distributes a booklet to eligible AI/AN individuals titled “10 Important Facts About the Indian Health Service and Health Insurance: Why Your Indian Health Benefits May Not Be Enough,” which explains that additional insurance will facilitate patients’ ability to receive specialty care, obtain health care when away from home, and receive numerous services that are not covered through IHS. AI/AN populations, as U.S. citizens, are eligible to participate in private health insurance as an individual purchaser or through an employer, or through public health programs such as Medicaid and Medicare. IHS facilities and providers accept private health insurance, Medicaid, Medicare, and Children’s Health Insurance Program (CHIP) insurance.

In 2019, 15% of AI/AN individuals of all ages were uninsured, 52% had private health insurance coverage, and 42% had Medicaid/CHIP, Medicare, or other public health coverage. By comparison, 6% of non-Hispanic Whites were uninsured, 75% had private health insurance, and 34% were Medicaid/CHIP, Medicare, or other public health beneficiaries. A caveat to these findings is that the Census does not classify the IHS as health insurance coverage because of the limited scope of available services and restricted geographic reach of IHS facilities. Those who report having only IHS coverage are considered uninsured.
Medicaid is an important source of health care coverage in the AI/AN population (see Box 4). As of 2018, approximately 1.8 million AI/AN individuals were enrolled in Medicaid, including 36% of AI/AN adults under age 65.27 Another common source of supplementary health care is the Veterans Health Administration (VHA). AI/AN individuals serve in the military at higher rates than the general U.S. population (19% vs. 14%), and approximately one-quarter of IHS-enrolled veterans also receive health care from the VHA.38-40

The Affordable Care Act (ACA) contributed to about 300,000 uninsured AI/AN individuals obtaining health coverage.41,42 The uninsured rate of AI/AN individuals under age 65 decreased from 44% in 2010 to 28% in 2018.36 The ACA allows members of federally recognized tribes to obtain health insurance through Health Insurance Marketplaces throughout the year rather than just during the annual open enrollment period. These insurance options remove copays, deductibles or coinsurance when receiving care from IHS providers or through a qualified health plan with a referral from an IHS provider.36

**THE HEALTH WORKFORCE IN THE INDIAN HEALTH SERVICE**

The IHS workforce

Approximately 15,000 employees provide direct patient care and clinical support services at IHS facilities.43,44 IHS staff is made up of civil servants (professionals who work for the government and whose salaries are paid by taxpayers), federal employees, and U.S. Public Health Services Commissioned Officers.44 In 2019 (the most recent data available), the IHS clinical staff consisted of approximately 2,380 nurses, 726 physicians, 798 pharmacists, 270 dentists, 195 environmental health and sanitarians, and 104 physician assistants.45 The IHS also employs a variety of other health care professionals such as nutritionists, health administrators, medical records administrators, community health aides, dental health therapists, psychologists, and other mental health and substance use disorder providers.11,30

Over two thirds (69%) of IHS employees identify as AI/AN.43 Since the signing of the Indian Preference Law in 1934, the IHS has been required to provide job preference to applicants from the AI/AN community.46 Other candidates may be considered in the absence of a qualified AI/AN applicant.1 IHS physicians are required to be U.S. citizens and to have an active and unrestricted medical license from any state in the U.S. or its territories.43 Some facilities in highest need areas, however, will consider a non-residency trained physician for employment as a general practitioner.1

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**BOX 4. PROTECTIONS FOR AI/AN MEDICAID BENEFICIARIES**

The IHS and tribes may bill for services provided to patients enrolled in Medicaid and other insurance programs. Medicaid collections are a particularly important source of revenue. In 2019, Medicaid collections at IHS-run facilities amounted to $808 million, nearly 70% of total collections from third party insurers.27 Several special rules and protections apply to AI/AN Medicaid beneficiaries, IHS providers, and tribal governments.27 For example:

- **Financial eligibility:** Income from selling culturally significant items (jewelry, basketwork) are not taken into account when determining income-based Medicaid or CHIP eligibility for AI/AN individuals.

- **Cost sharing:** States cannot impose premiums, cost sharing, enrollment fees, or similar charges on AI/AN Medicaid or CHIP beneficiaries.

- **Tribal consultation:** The Centers for Medicare & Medicaid Services (CMS) are required to seek consultation and participation of tribes when developing policies and program activities that affect them or the relationship between tribes and the federal government. States are also subject to tribal consultation requirements. Any state with one or more Indian health provider must seek advice and input prior to submitting a Medicaid or CHIP state plan amendment, waiver request, or demonstration project that is likely to have a direct effect on AI/AN beneficiaries and Indian health providers.
IHS challenges affecting the health workforce

**Funding shortages.** Despite the extensive network of health services and facilities, the literature has found IHS services to be substandard compared to private or tribal-run health systems, delivered through aging facilities, and often lacking basic infrastructure.\(^{31,32,47,48}\) These criticisms may be associated with the lower level of funding received by IHS per patient versus other federally funded health services. According to a report by the National Congress of American Indians, in 2017 the IHS spent $3,332 per patient compared to Medicare expenditures of $12,829 per patient and VHA spending of $7,789 per patient.\(^3\) A caveat to these comparisons is that current IHS funding levels are estimated to cover 60% of the health needs of eligible AI/AN individuals, thus specialty care does not typically factor into IHS expenditures.\(^5\) Due to chronic underfunding and staffing shortages, IHS staff often must prioritize and ration services.\(^{27,28}\) The need to ration care and work with such limited resources is reported to have a negative impact on staff morale and contributes to staff concerns about employment security.\(^{49,50}\)

**Staffing shortages.** The IHS has struggled with long-standing staffing shortages. According to the U.S. Government Accountability Office (GAO), in 2017 the overall vacancy rate for providers (specifically, doctors, nurses, nurse practitioners, certified registered nurse anesthetists, certified nurse midwives, physician assistants, dentists, and pharmacists) was 25% and ranged from 13% to 31% depending on the geographic area.\(^51\)

IHS uses multiple strategies to recruit and retain providers, including offering increased salaries for certain positions and subsidized housing when possible.\(^51\) The challenges to recruitment include an inability to compete with salaries at non-IHS facilities, housing shortages in communities where many IHS facilities are located, and other persistent and common difficulties in attracting health workers to rural and remote locations.\(^43\) To address these gaps, IHS uses strategies such as contracting with temporary providers (e.g., “travelers” and other contract staff) to maintain patient access to services and reduce provider burnout.\(^51\) These temporary providers, however, are more costly than salaried employees and can further strain the limited budgets of health care facilities.\(^52,53\) Data on the extent to which travelers have been used in IHS facilities and how much financial strain it has put on these facilities are not publicly available.

Reports suggest that, due to inadequate hiring oversight, some IHS facilities have employed individuals with revoked licenses and other regulatory sanctions, leading to medical mistakes and malpractice settlements.\(^54\) Data regarding how frequently this occurs in IHS facilities compared with other types of health care facilities are not available.

**REPRESENTATION OF AI/AN POPULATIONS WITHIN THE HEALTH CARE WORKFORCE**

Nearly 70% of IHS employees identify as AI/AN, but AI/AN populations are underrepresented in the general health workforce and among health occupation students.\(^43,46\) For example, while 2.9% of the overall U.S. population is AI/AN, 0.3% of all active physicians in 2018 and 0.6% of medical residents in 2020 reported being AI/AN.\(^14,55,56\) The 2018 National Sample Survey of Registered Nurses found 0.3% of the nation’s licensed RNs were non-Hispanic AI/AN, significantly less than the 2.9% of the nation’s population that is AI/AN.\(^14,57\) There are some signs of improvement in AI/AN representation in the health workforce over time. According to the 2020 National Nursing Workforce Survey (NNWS), 0.5% of the registered nursing workforce reported being AI/AN compared to 0.04% in the 2017 NNWS.\(^58\) Of concern are the barriers that may exist in the pathways to health care careers. For example, AI/AN individuals have 63% lower odds of applying to medical school compared with the general U.S. population.\(^59\)

Publicly available data on the representation of AI/AN populations across health care occupations and among graduating students are often not available as researchers tend to group them with other racial groups due to small sample size. Ongoing work at the University of Washington Center for Health Workforce Studies aims to examine the representation of AI/AN populations from select allied health professions that have seen changes in degree requirements over time.\(^60\) Also, limited resources may be available to have dedicated data collection on the characteristics of the AI/AN workforce supply within
specific occupations, and sampling designs used in many national surveys may not provide enough accuracy to allow for detailed analysis of AI/AN populations within the health workforce. While the U.S. Census’ American Community Survey and Current Population Survey include variables for individuals’ race and ethnicity, at the occupation-level the statistical error can be high: estimates of AI/AN race within an occupation are affected by the small numbers of a given occupation that occur in the survey sample, exacerbated by the relatively small numbers of individuals of some races in that occupation.

LOOKING FORWARD: WORKFORCE-RELATED OPPORTUNITIES TO IMPROVE AI/AN HEALTH CARE

Strengthening health care resources for AI/AN populations includes increasing the available number of AI/AN providers and removing barriers for AI/AN populations to enter health care careers. Where AI/AN providers are available, further work is needed to ensure that AI/AN populations have access to those providers. Given that many AI/AN patients may not have access to a provider with a concordant racial background, we need to ensure that the available health workforce has the patient-provider communication skills to provide culturally competent care and with available language translation services to meet the specific health needs of AI/AN populations.

The facilitators and barriers to ensuring an adequate supply of culturally competent health workforce to care for AI/AN populations overlap with what is known for workforce development more broadly, including in rural and medically underserved communities. Example programs that specifically promote health-oriented careers among AI/AN students include a range of scholarships and grants such as:

- **IHS Scholarship Program (IHSSP)**: IHSSP began in 1978 and has awarded scholarships covering tuition, fees, monthly stipends and other school-related costs to nearly 7,000 AI/AN health professions students.

- **IHS Loan Repayment Program (LRP)**: Applicants agree to serve for two years at an Indian health program in exchange for up to $20,000 per year (up to $40,000 for an initial two-year contract) in loan repayment funding. Recipients with more than $40,000 in loan debt can extend their initial two-year contract and receive up to an additional $20,000 per year (plus up to $4,000 for taxes) until their original qualifying educational loan debt is paid. More LRP awards go to areas in greatest need of health care workers.

- **Private, public and tribal scholarships**: Numerous scholarships have been created to facilitate and promote training for health careers among AI/AN students. These include undergraduate and graduate awards that focus on nursing, allied health professions, and community-based health.

Data are limited on the long-term effectiveness of any single scholarship or loan repayment program given challenges in tracking recipients over time and adjusting for self-selection into these programs. One study found that approximately 81% of IHS program participants serve in the same Indian, tribal or urban site one year after completing their service obligation. In the fourth year after obligation, retention at the original site drops to about 50%, although some participants move to other facilities within the IHS system. The effectiveness of any individual program needs to be evaluated in the context of larger efforts to recruit and retain health care workers from historically marginalized communities, with holistic and comprehensive approaches showing most promise.
Additional work is needed to improve access and availability of the health workforce in communities where AI/AN populations live and access care including rural and medically underserved areas as well as through IHS. Priority areas that have been identified in the literature to strengthen the health workforce to reduce health disparities (see Box 5) experienced by AI/AN communities include:

- Better data to track diversity of the health care workforce, career pathways of AI/AN health care workers, and the health outcomes of racial concordance between patients and providers among AI/AN populations.  
- Address oral health disparities by increasing investment in the oral health workforce in IHS, which faces a high vacancy rate and low patient-to-dentist ratio relative to the general population. Use of dental therapists, “midlevel” oral health providers that offer basic dental treatment under the supervision of a dentist, is an increasingly popular approach to addressing AI/AN oral health needs. Funding for the non-licensed dental therapists, however, is not available through government-sponsored programs without state approval, currently limiting their use to tribal self-funded employment.
- Increased access to a culturally competent behavioral health workforce that can provide harm reduction services, medications for substance use disorders, outpatient group and individual counseling, peer counseling, and inpatient/residential placements and a greater understanding of the disease of addiction.
- Develop infrastructure and capacity through workforce development and training as well as recruitment and staffing that supports the delivery of tele-behavioral health, integrated and trauma-informed care, long-term and after-care programs, screening, and community education programs.

BOX 5. SOCIAL DETERMINANTS OF HEALTH

Social determinants of health are responsible, in part, for significant health status disparities between AI/AN communities and the general U.S. population, including poverty, poor housing, high unemployment, and geographic isolation.

Health disparities

Compared to other Americans, AI/AN populations have higher mortality from chronic liver disease and cirrhosis (4.6 times the ratio of the general population), diabetes (3.2 times), unintentional injuries (2.5 times), and intentional self-harm (1.7 times). Substance abuse and related behavioral health issues, infant mortality, and other preventable deaths are also disproportionately prevalent in AI/AN communities. The age-adjusted COVID-19 mortality rate is almost two and a half times the death rate for Whites and Asian Americans, and is higher than for any other group of Americans. However, AI/AN communities have achieved higher COVID-19 vaccination rates compared to other racial and ethnic groups since COVID-19 vaccination began in early 2021.

Health care access disparities

One consequence to a fractured health system is a lack of consistent health care access. Compared to the general U.S. population, AI/AN individuals are less likely to report having a usual source of care, are more likely to avoid or delay medical care due to cost, and to report barriers to care such as living in remote rural areas, lack of transportation, and cultural and language barriers. Compared to White, non-Hispanic Medicaid beneficiaries, AI/AN beneficiaries are significantly less likely to report that it is always or usually easy to get needed medical care, tests, or treatments and that it is always or usually easy to get needed mental or behavioral health services, and are significantly more likely to report that they are never able to see a specialist as soon as needed.

CONCLUSION

AI/AN populations receive care in a variety of locations, some of which specifically target AI/AN tribal communities. Health insurance coverage is important to ensure that AI/AN populations have access to affordable health care. Where care is available, health care workers should ideally have the lived experience that reflects the community or otherwise have the training and education to provide culturally competent care. Improved data tracking of not only health disparities experienced by AI/AN populations but also the health workforce available and delivering care to AI/AN populations is critical to develop more targeted policy solutions.
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