Quantifying Arizona's Dental Health Workforce Shortage Using Health Professional Shortage Area (HPSA) Data Updated April 2025

Arizona **needs 339 dentist full-time equivalent (FTE)** to eliminate the current dental health care shortage.¹ County Health Rankings states "untreated dental disease can lead to serious health effects including pain, infection, and tooth loss."² Oral health is a critical component of overall health.³ Chronic oral disease can lead to "increased risk for chronic conditions, including heart disease and diabetes, lost work/school hours and lost wages, and reduced quality of life, throughout the lifespan."³ For all income groups, "cost is the primary reason for not visiting the dentist."³ In addition, "inconvenient location or time" and "trouble finding a dentist" are also among the top reasons for not visiting the dentist.³

This brief summarizes the FTE shortage for dentists by county and tribal area in Arizona. The dental health, Health Professional Shortage Areas (HPSAs) in Arizona are based on a ratio of dentists to population. The target ratio for dentists to population is 1 to 5,000 or 1 to 4,000 in high need areas. The target ratio for correctional facilities is 1 to 1,500.¹

▶▶Arizona has dentist FTE shortages in all counites.

- Arizona meets just **34.48**% of its dental health need.¹
- The ratio of dentists to population in the U.S. is 1: 1,360, in Arizona the ratio is 1: 1,510. ⁴
- Arizona ranks #14 of the states in population (at 7.6M) yet ranks #34 in active dentists at 58.78 per 100,000 (US, 60.40).^{5,6}
- Arizona is one of the fastest growing states in population, growing **1.13**% between 2010 and 2020, compared to the U.S. median growth of 0.55%.⁷

HPSAs are "geographic areas, populations, or facilities that have a shortage of primary, dental or mental health care providers." These are Health

Resources and Services Administration (HRSA) designations used to describe workforce needs, identify eligible locations for National Health Service Corps, Nurse Corps, IHS Loan Repayment, and other federal programs.

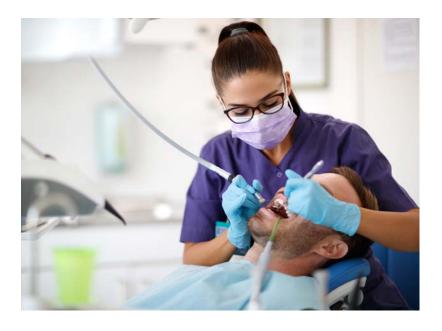
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Designated Indian Health Service, Tribal Health, and Urban Indian Health **Facility** Dental Health HPSAs

AZ Tribal Nations Dental Shortage (2024)				
TRIBAL NATION	HIGHEST HPSA SCORE	#DENTIST FTE SHORT*		
Colorado River Indian	13	0.01		
Fort McDowell Yavapai	11	0.21		
Gila River	23	1.85		
Hualapai	13	0.36		
Navajo Nation & Hopi	17	9.45		
Pascua Yaqui	19	0.70		
Salt River Pima-Maricopa	22	1.17		
San Carlos Apache	15	0.06		
Tohono O'Odham	23	2.23		
White Mountain Apache	24	3.61		

Number of Designated Correctional, Federal Qualified Health Center, FQCH Look A Like, or Rural Health Clinic Facility Dental Health Care HPSAs⁸

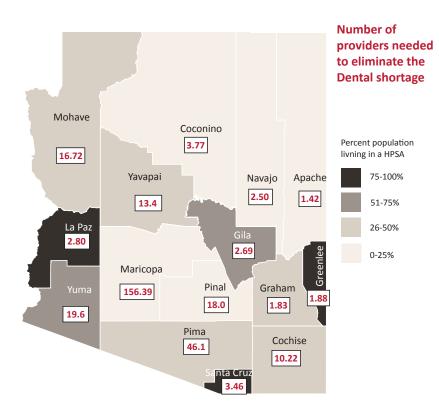
County	FQHCs & FQHC Look A Likes	Rural Health Clinic	Correctional Facility	Correctional Facility FTE Short*
Apache	~	1	~	~
Cochise	1	6	~	~
Coconino	3	~	~	~
Gila	~	6	~	~
Graham	~	1	2	1.13
Greenlee	~	~	~	~
La Paz	~	3	~	~
Maricopa	9	~	2	6.50
Mohave	1	~	~	~
Navajo	~	~	~	~
Pima	4	~	1	2.11
Pinal	2	2	3	10.43
Santa Cruz	1	~	~	
Yavapai	2	~	~	
Yuma	1	1	1	0.66
Total	24	20		20.8



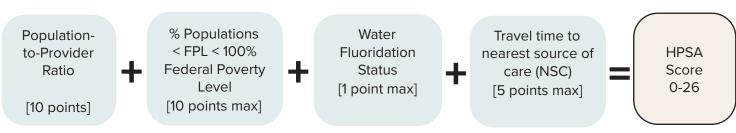
Percent Living in Dental Health Shortage Areas (HPSAs) and Number of Provider FTE Needed to Eliminate Shortage (2024)

▶▶Definitions

HPSAs are a geographic area, population, or facility with a shortage of primary care, dental, or mental health providers and services. HPSAs are based on factors illustrated below.^{8,9}



▶▶Dental Health HPSA Score Formula^{9, 10}



▶▶Brief Methods

This brief uses HPSA data from the HRSA. The HPSA data files can be found here https://data.hrsa.gov/data/download and an interactive report can be found here https://data.hrsa.gov/tools/shortage-area/hpsa-find on the HPSA Find site. HRSA includes data on designated, proposed for withdrawal, and withdrawn HPSAs. HRSA includes data on designated and proposed for withdrawal HPSAs to estimate the total dentist FTEs needed to eliminate the shortage designation. This brief includes only designated HPSAs. The percentage of the population living in a HPSA area was calculated by adding the population reported in each HPSA type (geographic, geographic high needs, and population) and then dividing by the total population in the county (from the U.S. Census American Community Survey, 5-yr estimates 2022). Some HPSAs span county boundaries, we assigned HPSAs to a single "majority" county based on population in the sub-components that composed the largest portion of the population in the HPSA.

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