



# ARIZONA DEPARTMENT OF HEALTH SERVICES

PREVENTION SERVICES

**2021**

May 13, 2022

## **DATA DOCUMENTATION: Sources and Field Descriptions**

(To accompany Primary Care Area (PCA) or Special Area Statistical Profiles)

### **DESCRIPTION OF AREA**

#### **Primary Care Area (PCA):**

A Primary Care Area is a geographic area in which most residents seek primary health services from the same place(s). The PCA is meant to depict the "primary care service seeking patterns" of the residents.

#### **PCA Number:**

A PCA Number is a unique 5 digit number that has been assigned to each Primary Care Area. The first two digits express the Federal Identification (FIPS) code for the county. The third digit indicates the Health Planning Region. The last two digits identify the PCA.

#### **Major Population Center:**

The name of the city, town or place in a PCA with the largest population. The name of a PCA may be the same as the major population center.

#### **County:**

The name of the County or Counties a Primary Care Area or Special Area is located in.

Douglas A. Ducey | Governor    Don Herrington | Interim Director

**Health Planning Region:**

Four multi-county areas have been designated for health planning purposes.

Region 1: Gila, Maricopa, and Pinal

Region 2: Cochise, Graham, Greenlee, Pima, and Santa Cruz

Region 3: Apache, Coconino, Navajo, and Yavapai

Region 4: La Paz, Mohave, and Yuma

**Primary Care Score:**

Sum of points given by the Primary Care Index applied to data of each Primary Care Area (PCA) or Special Area (SArea). The higher the score, the greater the medical underservice.

**Rural Code Designation:**

The Rural Code Designation is INDIAN, FRONTIER, RURAL or URBAN. All Indian PCAs are coded INDIAN. All PCAs < 6 persons per square mile for the latest population estimates are coded FRONTIER if not INDIAN. All PCAs in Counties where the latest decennial census population was < 400,000 are coded RURAL if not FRONTIER, or INDIAN, and PCAs in Counties where the latest decennial census population was >= 400,000 in which the Census County Division population was < 50,000 are coded RURAL. All PCAs in Counties where the latest population estimate is >= 400,000 are coded URBAN unless coded INDIAN, FRONTIER or RURAL.

For background sources for the Rural Code Designation, see:

[A.R.S. 15-1754](#), which states:

F. For purposes of this section, "rural" means either:

1. A county with a population of less than four hundred thousand persons according to the most recent United States decennial census.
2. A census county division with less than fifty thousand persons in a county with a population of four hundred thousand or more persons according to the most recent United States decennial census.

And

<https://www.census.gov/prod/cen2010/cph-2-a.pdf>, which states:

Urbanized Areas (UAs)—An urbanized area consists of densely developed territory that contains 50,000 or more people. The Census Bureau delineates UAs to provide a better separation of urban and rural territory, population, and housing in the vicinity of large places.

**Special Tax District:**

Category of District: A = Hospital, B = Health Clinic, C = Ambulance

**State House Legislative District:**

State House Legislative Districts, 2022. Source: Arizona Independent Redistricting Commission, see: <https://irc.az.gov/>.

**Arizona Medically Underserved Areas (AzMUAs):**

Arizona Medically Underserved Areas are designated by the Arizona State Government as Underserved Areas as per A.R.S. §36-2352. (See Primary Care Index for indicators and point scoring ranges.)

**Health Professional Shortage Area (HPSAs):**

Primary Care Health Professional Shortage Areas are designated by the United States government as areas with a shortage of health professional personnel. Primary Care HPSAs are considered AzMUAs as per A.R.S. §36-2352.

**Federal Shortage Area Codes:**

- A - Area
- P - Population Group
- Low-inc. - Low-income
- MFW - Migrant Farm Worker
- Med. Indig. - Medically Indigent
- CO - County

**Federal Medically Underserved Area (MUA) or Population (MUP):**

A Federal Medically Underserved Area is a designation by the United States government as a medically underserved area (MUA), or population (MUP). A score of 62.0 or below is considered underserved.

**Next Nearest Provider:**

The Next Nearest Provider is the Major Population Center where the next nearest primary care service provider is located.

**Second Nearest Provider:**

The Second Nearest Provider is the Major Population Center where the second nearest primary care service provider is located.

**Travel Distance, Next:**

The Travel Distance, Next is the travel distance by passenger vehicle by most direct route, under normal road and climatic conditions, to provider location.

| <u>CODE</u> | <u>DISTANCE</u>                |
|-------------|--------------------------------|
| A           | Less than or equal to 10 miles |
| B           | 10.1-20.0 miles                |
| C           | 20.1-30.0 miles                |
| D           | 30.1-40.0 miles                |
| E           | 40.1-50.0 miles                |
| F           | More than 50 miles             |

**Travel Distance, Second:**

The Travel Distance, Second is the same as the above but for location of the second nearest provider.

**DEMOGRAPHICS  
POPULATION**

**Population:**

Number of residents, estimated as of July 1, 2021. Based on the report, "Population Estimates for Arizona's Counties, Incorporated Places and Balance of County." Source: Arizona Department of Administration, Office of Employment & Population Statistics, and the 2020 Census, PL Segment 1, U.S. Census Bureau.

**Population Density:**

Number of residents per square mile of land area, estimated as of July 1, 2021. Based on the report, "Population Estimates for Arizona's Counties, Incorporated Places and Balance of County." Source: Arizona Department of Administration, Office of Employment & Population Statistics, and the 2020 Census, PL Segment 1 and PL Geoheader, U.S. Census Bureau.

**Persons By Age:**

Number of residents by age groupings estimated as of July 1, 2021. Based on the report, "Population Estimates for Arizona's Counties, Incorporated Places and Balance of County." Source: Arizona Department of Administration, Office of Employment & Population Statistics, and the 2010 Census, Summary File 1 (SF1), U.S. Census Bureau.

**Race/Ethnicity:**

Percent of total population represented by major racial/ethnic groups. (Hispanics are an ethnic group. Racial groups add to 100%.) Estimated as of July 1, 2021. Based on the report, "Population Estimates for Arizona's Counties, Incorporated Places and Balance of County." Source: Arizona Department of Administration, Office of Employment & Population Statistics, and the 2020 Census, PL Segment 1, U.S. Census Bureau.

**Communities of Color:**

Percent of total population that are Communities of Color, (Race Universe – Non-Hispanic Whites), from the 2020 Census, PL Segment 1, U.S. Census Bureau.

**Gender:**

Estimated as of July 1, 2020. Based on the report, "Population Estimates for Arizona's Counties, Incorporated Places and Balance of County." Source: Arizona Department of Administration, Office of Employment & Population Statistics, and the 2010 Census, Summary File 1 (SF1), U.S. Census Bureau.

**Single Parent Families:**

Percent of total families that are single parent families, estimated from U.S. Census Bureau, Table B11003, 2016-2020 American Community Survey.

**Female Headed Households:**

Percent of total households headed by a female, estimated from U.S. Census Bureau, Table DP02, 2016-2020 American Community Survey.

**Population with Disability:**

Percent of total population with Disability, estimated from U.S. Census Bureau, Table DP02, 2016-2020 American Community Survey.

**Population Other than English Spoken at Home:**

Percent of population age 5 and over that speak a language other than English at home, estimated from U.S. Census Bureau, Table DP02, 2016-2020 American Community Survey.

**INCOME****Population Below 100% of Federal Poverty Level:**

Percent of population below 100% of the federal poverty level, estimated from U.S. Census Bureau, Table C17002, 2016-2020 American Community Survey.

**Population Below 200% of Federal Poverty Level:**

Percent of population below 200% of the federal poverty level, estimated from U.S. Census Bureau, Table C17002, 2016-2020 American Community Survey.

**Median Household Income:**

Median Household Income, estimated from U.S. Census Bureau, Table B19013, Median Household Income, and Table B11001, Households, 2015-2019 American Community Survey.

**Children <12 in Poverty:**

Percent of children less than 12 years old below 100% of the federal poverty level, estimated from U.S. Census Bureau, Table B17024, 2016-2020 American Community Survey.

**EDUCATION****Less Than 9th Grade Education:**

Percent of population 25 years of age or older with less than a 9th grade education, estimated from U.S. Census Bureau, Table DP02, 2016-2020 American Community Survey.

**9th-12th Grade, No Diploma:**

Percent of population 25 years of age or older with 9th-12th grade education, no diploma, estimated from U.S. Census Bureau, Table DP02, 2016-2020 American Community Survey.

**High School Graduates:**

Percent of population 25 years of age or older graduated from high school, estimated from U.S. Census Bureau, Table DP02, 2016-2020 American Community Survey.

**Some College:**

Percent of population 25 years of age or older with some college, estimated from U.S. Census Bureau, U.S. Census Bureau, Table DP02, 2016-2020 American Community Survey.

**College or Professional Degree Holders:**

Percent of population 25 years of age or older with a college or professional degree, estimated from U.S. Census Bureau, Table DP02, 2016-2020 American Community Survey.

**MISCELLANEOUS****Overnight Tourist Visits:**

2020 estimated overnight Tourist visits to Arizona. Source: Arizona Office of Tourism.

**Unemployed:**

Percent unemployment. Source: U.S. Census Bureau, 2016-2020 American Community Survey, Table: S2301, EMPLOYMENT STATUS.

**"Uninsured" Births:**

Percent of births reporting payee as "self" and/or "unknown," 2011-2020. Source: Division of Public Health Services, Office of Vital Records, Arizona Department of Health Services.

**Medicare Beneficiaries:**

Percent of population on Medicare, of enrolled persons age 65 and over, estimated. Source: U.S. Census Bureau, 2016-2020 American Community Survey, Table C27006, MEDICARE COVERAGE BY SEX BY AGE.

**Medically Uninsured:**

Percent of population medically uninsured, estimated. Source: U.S. Census Bureau, 2016-2020 5-Year American Community Survey, Table B27010, TYPES OF HEALTH INSURANCE COVERAGE BY AGE.

**Transportation Score:**

Adequacy of transportation is determined by the transportation score. The higher the score, the less adequate or greater the need for transportation.

**RESOURCES****FACILITIES****General Hospitals:**

"Yes," means that there is a short-stay, acute care, non-federal general hospital within a driving time of 35 minutes or less. "No," means there is no such facility within the driving time. For County, Region and State, number of short stay, acute care, non-federal, non-Indian, general hospitals. Source: Division of Licensing Services, Arizona Department of Health Services, April 2021.

**Hospital Beds/1000 Residents:**

Number of general hospital beds per 1,000 residents. Source: Division of Licensing Services, Arizona Department of Health Services, April 2021.

**Hospital Designated as Sole Community Provider:**

Hospital is the sole provider of inpatient services in PCA.

**Specialty Beds:**

Number of specialty hospital beds. Source: Division of Licensing Services, Arizona Department of Health Services, April 2021.

**Skilled Nursing Facilities:**

Number of licensed nursing homes. Source: Division of Licensing Services, Arizona Department of Health Services, April 2021.

**Nursing Home Beds:**

Number of licensed nursing home beds. Source: Division of Licensing Services, Arizona Department of Health Services, April 2021.

**SERVICES****Licensed Home Health Agencies:**

Number of licensed home health agencies. Source: Division of Licensing Services, Arizona Department of Health Services, April 2021.

**Ambulatory Care Sites Type:**

- A. Comprehensive Health Centers (CHCs): primary health care programs characterized by comprehensive program development on a relatively large scale, together with substantial community involvement. Examples include federally supported community/migrant health centers.
- B. Primary Care Centers (PCCs): smaller primary health care programs stimulated and/or subsidized by community initiative, with or without financial assistance from outside the community.
- C. Organized Group Practices (OGPs): primary health care programs which consist of at least two full-time physicians in group practice operating autonomously, through a pooled income arrangement, not providing any outreach services.
- D. Institutional Extension Practices (IEPs): primary health care programs developed by existing institutions such as hospitals, health departments, American Indian Nation, group practices, etc. Includes rural satellites developed by health departments, established group practices and university medical centers.
- E. Other Forms of Practice

**Licensed Pharmacies:**

Number of licensed active pharmacies. Source: Arizona State Board of Pharmacy, May 2021.

**Certified Ambulance Services:**

Number of state certified air and ground ambulances. Source: Bureau of Emergency Medical Services, April 2021.



## **PERSONNEL**

### **Primary Care Providers:**

Number of active providers, and ratio to population of Family Practice, General Practice, Gynecology, Internal Medicine, Obstetrics and Gynecology, Obstetrics, Pediatrics (MD's) physicians and all active Osteopathic Physicians (DO's) working in Primary Care (includes federal doctors). Source: MD's and DO's from the Arizona Board of Medical Examiners, April 2021.

### **Nurse Practitioners:**

Nurse Practitioners with active licenses. Source: Arizona State Board of Nursing, June 2020.

### **Physician Assistants:**

Number of active Physician Assistants. Source: Arizona Board of Medical Examiners, April 2021.

### **Registered Nurses:**

Registered Nurses with active licenses. Source: Arizona State Board of Nursing, June 2020.

### **Midwives:**

Number of certified Midwives. Source: Arizona State Board of Nursing, June 2020.  
And number of licensed Midwives. Source: Division of Licensing Services, April 2021.

### **Dentists:**

Number of Dentists. Source: Arizona State Board of Dental Examiners, June 2020.

## **UTILIZATION**

### **AMBULATORY CARE SENSITIVE CONDITIONS**

#### **Ambulatory Care Sensitive Conditions:**

Those conditions that if properly addressed would not result in a hospitalization. Defined in the Ambulatory Care Access Project of the United Hospital Fund of New York, July 30, 1991. Source: Hospital Discharge Data from the Bureau of Public Health Statistics, Hospital Discharge Registry, Arizona Department of Health Services, full year 2020, geocoded to address, city and zip code accuracy. Emergency Room data included.

#### **Rate of Admissions:**

Ambulatory Sensitive Conditions per 1,000 residents age less than 65, 2020. Source: Arizona Department of Health Services, "Hospital Discharge Database," Bureau of Public Health Statistics, Hospital Discharge Registry.

**Points Above/Below Statewide Average:**

Ambulatory Sensitive Condition admission points above/below the statewide average, 2020. Source: Arizona Department of Health Services, "Hospital Discharge Database," Bureau of Public Health Statistics, Hospital Discharge Registry.

**HOSPITALIZATION****Inpatient Days Per 1,000 Residents:**

Inpatient days per 1,000 residents, 2020. Source: ARIZONA DEPARTMENT OF HEALTH SERVICES, "Hospital Discharge Data," Bureau of Public Health Statistics, Hospital Discharge Registry.

**Inpatient Days Per 1,000 Residents, by Age Group:**

Inpatient days per 1,000 residents by age group, 2020. Source: Arizona Department of Health Services, "Hospital Discharge Database," Bureau of Public Health Statistics, Hospital Discharge Registry.

**Leading Diagnosis:**

Leading diagnosis, 2020. Source: Arizona Department of Health Services, "Hospital Discharge Database," Bureau of Public Health Statistics, Hospital Discharge Registry.

**Leading Procedure:**

Leading procedure, 2020. Source: ARIZONA DEPARTMENT OF HEALTH SERVICES, "Hospital Discharge Database," Bureau of Public Health Statistics, Hospital Discharge Registry.

**HEALTH STATUS**

PLEASE NOTE: Data in this section if less than 30 counts/events are coded "++",  
Insufficient Data.

**MORTALITY****Infant Mortality:**

Number of infant deaths, less than 1 year old, per 1,000 live births, average over 2011-2020. Source: Division of Public Health Services, Office of Vital Records, Arizona Department of Health Services.

## **LEADING CAUSE OF DEATH**

Mortality, Leading Cause of Death: 2011-2020, Source: Division of Public Health Services, Office of Vital Records, Arizona Department of Health Services.

|              |                                  |
|--------------|----------------------------------|
| Infant:      | Infants less than 1 year old.    |
| Child:       | Children 1-14 years of age.      |
| Adolescent:  | Adolescents 15-19 years of age.  |
| Young adult: | Young adults 22-44 years of age. |
| Mid age:     | Adults 45-64 years of age.       |
| Elderly:     | Elderly 65-84 years of age.      |
| Aged:        | Aged older than 85 years of age. |

### **Premature Mortality:**

Percent of Arizona deaths below the US Birth Life Expectancy for each year averaged over 2011-2019. Source: Division of Public Health Services, Office of Vital Records, Arizona Department of Health Services. Source of US Birth Life Expectancy were obtained from the National Center for Health Statistics at <http://www.cdc.gov/nchs/fastats/lifexpec.htm>. The average US Birth Life Expectancy at birth for all races, both sexes in the United States for the years 2011-2019 was 78.7 years.

## **NATALITY**

### **Fertility Rate:**

Number of live births per estimated 1,000 women of childbearing age (15-44 yrs), average for 2011-2020. Source: Division of Public Health Services, Office of Vital Records, Arizona Department of Health Services. Estimated female population based on DES report, "Population Estimates of Arizona Counties and Incorporated Places" and the Census using Population Estimation Methodology of the Primary Care Area Program.

### **Birth Rate:**

Live births per 1,000 population, average for 2011-2020. Source: Division of Public Health Services, Office of Vital Records, Arizona Department of Health Services.

### **Prenatal Care Visits:**

Birth Mothers with 0-4 Prenatal Care Visits per 1,000 live births, average for 2011-2020. Source: Division of Public Health Services, Office of Vital Records, Arizona Department of Health Services.

**Prenatal Care Began:**

Percent of birth mothers beginning prenatal care by trimester, average for 2011-2020. Source: Division of Public Health Services, Office of Vital Records, Arizona Department of Health Services.

**Low-Weight Births:**

Number of live births weighing 2,500 grams (5 lbs, 8 oz.) or less, per 1,000 live births, average for 2011-2020. Source: Division of Public Health Services, Office of Vital Records, Arizona Department of Health Services.

**Teen Births:**

Live births per 1,000 women aged 14-19, average for 2011-2020. Source: Division of Public Health Services, Office of Vital Records, Arizona Department of Health Services. Estimated female population based on DES report, "Population Estimates of Arizona Counties and Incorporated Places" and the Census using Population Estimation Methodology of the Primary Care Area Program.

**Area Location IDs:**

Zip Codes, Census Tracts, Block Groups, or Blocks. The first two digits of Census identifiers are (from left to right) the State (3 digits), the County (3 digits), the Census Tract (6 digits, with or without a decimal after the first 4 digits), Block Group (1 digit), Block (3 digits). Starting with the year 2013, the Arizona Primary Care Areas were defined with census tracts. Arizona Special Primary Care Area Statistical Area Profiles can be provided for any area larger than a Block.

**Other Places:**

The name of cities, towns and places in the PCA.

NOTE: All lists having addresses used to compile the Statistical Profiles have been geocoded by the Arizona Primary Care Area Program in order to assign counts to Primary Care Areas. Address corrections affected by the geocoding process may have changed the original place assignments provided by the list originator.

**FIELD CODING:**

\*\*\* = Not Applicable

++ = Insufficient Data

## = Not Available