



## **Division of Public Health Services**

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### **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 is usually 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.

##### **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 Primary Care Index applied to data of Primary Care Area (PCA) or Special Area (SArea). The higher the score, the greater the medical underservice. Special Area Profiles may be based on a different but similar Index.

##### **Special Tax District:**

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

##### **State House Legislative District**

State House Legislative Districts, 2004. Source: Arizona Independent Redistricting Commission, <http://www.azredistricting.org/>.

**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.

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 Time, Next:**

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

<u>CODE</u>	<u>TRAVEL TIME</u>	<u>DISTANCE</u>
A	Less than or equal to 20 minutes	Less than or equal to 15 miles
B	21-30 minutes	16-25 miles
C	31-40 minutes	26-35 miles
D	41-60 minutes	36-45 miles
E	61-80 minutes	46-55 miles
F	more than 80 minutes	more than 55 miles

**Travel Time, Second:**

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

**POPULATION**

**Population:**

Number of residents estimated, as of July 1, 2009. Based on the report, "Population Estimates for Arizona's Counties, Incorporated Places and Balance of County." Source: Arizona Department of Commerce, and the 2000 Census, Summary File 1 (SF1), U.S. Census Bureau.

**Population Density:**

Number of residents per square mile of land area, as of July 1, 2009. Based on the report, "Population Estimates for Arizona's Counties, Incorporated Places and Balance of County." Source: Arizona Department of Commerce, and the 2000 Census, Summary File 1 (SF1), U.S. Census Bureau.

**Persons By Age:**

Number of residents by age groupings estimated, as of July 1, 2009. Based on the report, "Population Estimates for Arizona's Counties, Incorporated Places and Balance of County," and the 2000 Census SF1.

**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, 2009. Based on the report, "Population Estimates for Arizona's Counties, Incorporated Places and Balance of County," and the 2000 Census, Summary File 1 (SF1), Table P7, 100 Percent Data. Source: Arizona Department of Commerce, and U.S. Census Bureau.

**Gender:**

Percent of population male or female, year 2000. Source: 2000 Census SF1.

**Single Parent Families:**

Percent of total families that are single parent families, per 2000 Census SF1.

**Female Headed Households:**

Percent of total households headed by a female, per 2000 Census SF1.

**INCOME**

**Population Below 100% of Poverty:**

Percent of 2000 population below 100% of poverty, estimated from Census 2000 Summary File 3 (SF3).

**Population Below 200% of Poverty:**

Percent of 2000 population below 200% of poverty, estimated from Census 2000 SF3.

**Median Household Income:**

Median household income, estimated from Census 2000 SF3.

**Children <12 in Poverty:**

Percent of 2000 children less than 12 years old below 100% of Poverty, estimated from Census 2000 SF3.

## EDUCATION

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

Percent of population 25 years of age or older with less than a 9th grade education, 2000 Census SF3.

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

Percent of population 25 years of age or older with 9th-12th grade education, no diploma, 2000 Census SF3.

### **High School Graduates:**

Percent of population 25 years of age or older graduated from high school, 2000 Census SF3.

### **Some College:**

Percent of population 25 years of age or older with some college, 2000 Census SF3.

### **College or Professional Degree Holders:**

Percent of population 25 years of age or older with a college or professional degree, 2000 Census SF3.

## NON-RESIDENTS

### **Migrant Agricultural Workers:**

Arizona Migrant Seasonal Farm Worker estimates from Larson Institute, 2008. Source: Arizona Department of Commerce.

### **Tourists:**

2008 estimated overnight Tourists to Arizona in visits. Source: Arizona Office of Tourism.

### **Winter Residents:**

Source: "AZ Business," Center for Business Research, Arizona State University, June, 2002. Based on survey of mobile home and RV/travel trailer parks for the 2002-3 winter season. No estimates are available for the number staying in other type of accommodations. Does not include Apache, Coconino, Greenlee, and Navajo counties.

## MISCELLANEOUS

### **Unemployed:**

Average percent of unemployment. Source: "Special Unemployment Report for January through December, 2009, for Arizona Local Area Statistics," Arizona Department of Commerce, Research Administration.

### **"Uninsured" Births:**

Percent of births reporting payee as "self" and/or "unknown," 1999-2008. Source: Division of Public Health Services, Office of Vital Records, ADHS.

### **AHCCCS Enrolled:**

Percent of 2009 population enrolled in AHCCCS Program. Source: Report, "AHCCCS POPULATION BY COUNTY and ZIP CODE," January 1, 2010, AHCCCS.

**KidsCare Enrolled:**

Percent of 2009 population 0-19 enrolled in KidsCare Program. Source: Report, "KidsCare Enrollment," January 1, 2010, AHCCCS.

**Medicare Beneficiaries:**

Percent of 2007 population on Medicare, of enrolled persons age 65 and over, estimated. Source: Medicare County Enrollment as of July 1, 2007, Centers for Medicare and Medicaid Services, U.S. Department of Health and Human Services. \*\*

**Transportation Score:**

Adequacy of transportation is determined by the transportation score, which is part of the Primary Care Index. 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 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, ADHS, September 2009.

**Hospital Beds/1000 Residents:**

Number of general hospital beds per 1,000 residents. Source: Division of Licensing Services, ADHS, September 2009.

**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, ADHS, September 2009.

**Skilled Nursing Facilities:**

Number of licensed nursing homes. Source: Division of Licensing Services, ADHS, September 2009.

**Nursing Home Beds:**

Number of licensed nursing home beds. Source: Division of Licensing Services, ADHS, September 2009.

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

Number of licensed home health agencies. Source: Division of Licensing Services, ADHS, September 2009.

**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 pharmacies. Source: Arizona State Board of Pharmacy, October 2009.

**Certified Ambulance Services:**

Number of state certified air and ground ambulances. Source: Bureau of Emergency Medical Services, September 2009.

**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, all active Osteopathic Physicians (DO's), Nurse Practitioners (NP's) and Physician Assistants (PA's) working in Primary Care (includes federal doctors). NP's and PA's are counted as .8 of an MD fte. Source: MD's and PA's from the Arizona Board of Medical Examiners, October 2009; NP's from the Arizona Board of Nursing, October 2009; and DO's from the Arizona Board of Osteopathic Examiners, October 2009.

**Nurse Practitioners:**

Nurse Practitioners with active licenses. Source: Arizona State Board of Nursing, October 2009.

**Physician Assistants:**

Number of Physician Assistants. Source: Arizona Board of Medical Examiners, October 2009.

**Registered Nurses:**

Registered Nurses with active licenses. Source: Arizona State Board of Nursing, October 2009.

**Midwives:**

Number of certified Midwives. Source: Arizona State Board of Nursing, October 2009. Number of licensed Midwives. Source: Division of Licensing Services, September 2009.

**Dentists:**

Number of Dentists. Source: Arizona State Board of Dental Examiners, October 2009.

**Emergency Medical:**

Number of active emergency medical personnel. Source: Office of Emergency Medical Services, ADHS, October 2009.

**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, ADHS, full year 2008, 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, 2008. Source: ADHS, "Hospital Discharge Data," Bureau of Public Health Statistics, Hospital Discharge Registry.

**Points Above/Below Statewide Average:**

Ambulatory Sensitive Condition admission points above/below the statewide average, 2008. Source: ADHS, "Hospital Discharge Data," Bureau of Public Health Statistics, Hospital Discharge Registry.

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

Inpatient days per 1,000 residents, 2008. Source: ADHS, "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, 2008. Source: ADHS, "Hospital Discharge Data," Bureau of Public Health Statistics, Hospital Discharge Registry.

**Leading Diagnosis:**

Leading diagnosis, 2008. Source: ADHS, "Hospital Discharge Data," Bureau of Public Health Statistics, Hospital Discharge Registry.

**Leading Procedure:**

Leading procedure, 2008. Source: ADHS, "Hospital Discharge Data," 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 1999-2008. Source: Division of Public Health Services, Office of Vital Records, ADHS.

**LEADING CAUSE OF DEATH**

**Mortality, Leading Cause of Death:** 2000-2008, Source: Division of Public Health Services, Office of Vital Records, ADHS.

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 average over 1999-2007. Source: Division of Public Health Services, Office of Vital Records, ADHS. 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 1999-2007 was 77.2 years.

## NATALITY

### **Fertility Rate:**

Number of live births per estimated 1,000 women of childbearing age (15-44 yrs), average for 1999-2008. Source: Division of Public Health Services, Office of Vital Records, ADHS. 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 1999-2008. Source: Division of Public Health Services, Office of Vital Records, ADHS.

### **Prenatal Care Visits:**

Birth Mothers with 0-4 Prenatal Care Visits per 1,000 live births, average for 1999-2008. Source: Division of Public Health Services, Office of Vital Records, ADHS.

### **Prenatal Care Began:**

Percent of birth mothers beginning prenatal care by trimester, average for 1999-2008. Source: Division of Public Health Services, Office of Vital Records, ADHS.

### **Low-Weight Births:**

Number of live births weighing 2,500 grams (5 lbs, 8 oz.) or less, per 1,000 live births, average for 1999-2008. Source: Division of Public Health Services, Office of Vital Records, ADHS.

### **Teen Births:**

Live births per 1,000 women aged 14-19, average for 1999-2008. Source: Division of Public Health Services, Office of Vital Records, ADHS. 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.

### **Block Groups:**

The first six digits of the Census block group identifier are the census tract; the last digit is the block group. Year 2006 and later Primary Care Areas are defined with 2000 blocks because some Indian Tribes are only defined by blocks. The census block identifiers for each PCA can be found in the AzMUA report and the Data Sets.

### **Other Places:**

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

\*\* Estimates from county counts are obtained by multiplying the county counts by the 2000 census block/county population ratio to obtain an estimate count by block and then aggregating to the PCA or SArea. Estimates from county counts are not very accurate at the PCA level.

**NOTE:** All lists used to compile the Statistical Profiles have been geocoded by the Office of Health Systems Development 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