



P I N A L ♦ C O U N T Y
wide open opportunity

**Pinal County Public Health Services District
Community Health Profile
2010**

The mission of the Public Health Services District is to provide disease prevention, health promotion and nutrition services to the residents of Pinal County so they can live healthy and productive lives.

Updated June 30, 2011

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INTRODUCTION

ABOUT THE COMMUNITY HEALTH PROFILE

The Pinal County Community Health Profile 2010 is not a comprehensive report, only a snapshot in time about the health status of Pinal County. The goal of making this information available to the general public is to deepen understanding of the community and facilitate continuing discussion about the health status of Pinal County. It is hoped that community groups and organizations will find this information useful in program planning and prioritizing health concerns.

This report contains U.S. Census Bureau data, as well as statistics taken from reports compiled by the Centers for Disease Control and Prevention (CDC), Arizona Department of Health Services (ADHS), and Pinal County Public Health Services District. Whenever possible, comparisons are made using State of Arizona and U.S. data. Pinal County makes every effort to ensure that the information represented herein is accurate and current. Where external data sources are used, they are assumed to be correct. Pinal County does not guarantee, implied or otherwise, that the validity or accuracy of any data it is not the sole proprietor of. Furthermore, though health data is a powerful tool for assessing the health of communities, it can be difficult to pinpoint exact causes responsible for health problems in a population; caution must be exercised when drawing conclusions and making comparisons to other counties or states.

COMMUNITY SHAPSHOT AND HEALTHY PEOPLE 2020



Healthy People provides a framework for prevention for communities in the U.S. Healthy People 2020 is a comprehensive set of key disease prevention and health promotion objectives. The health objectives and targets allow communities to assess their health status and build an agenda for community health improvement. Pinal County is interested in tracking its health progress using these key health indicators. The indicators presented below show how Pinal County is measuring up to the Healthy People 2020 national health targets.

Indicator	Current and Target	Data	Since Prior Period	Status
Access to Health Services				
Adults with Health Insurance	Current: 81.0 percent Target: 100 percent			TARGET NOT MET
Children with Health Insurance	Current: 88.9 percent Target: 100 percent			TARGET NOT MET
Cancer				
Colorectal Cancer Incidence Rate	Current: 36.7 cases/100,000 population Target: 38.6 cases/100,000 population			TARGET MET
Food Safety				
E. coli Incidence Rate	Current: 0.6 cases/100,000 population Target: 0.6 cases/100,000 population			TARGET MET
Salmonella Incidence Rate	Current: 19.5 cases/100,000 population Target: 11.4 cases/100,000 population			TARGET NOT MET
Heart Disease and Stroke				
Age-Adjusted Death Rate due to Coronary Heart Disease	Current: 88.4 deaths/100,000 population Target: 100.8 deaths/100,000 population			TARGET MET

Source: Arizona Health Matters: Healthy People 2020 Tracker. Data derived from U.S. Census Bureau, Arizona Cancer Registry, ADHS Vital Statistics, Arizona Criminal Justice Commission Arizona Youth Survey. Available online at: <http://www.arizonahealthmatters.org/>

COMMUNITY SHAPSHOT AND HEALTHY PEOPLE 2020

Indicator	Current and Target	Data	Since Prior Period	Status
Immunization and Infectious Diseases				
Tuberculosis Incidence Rate	Current: 7.9 case/100,000 population Target: 1.0 case/100,000 population	 Current Target		TARGET NOT MET
Injury and Violence Prevention				
Age-Adjusted Death Rate due to Firearms	Current: 16.5 deaths/100,000 population Target: 9.2 deaths/100,000 population	 Current Target		TARGET NOT MET
Age-Adjusted Death Rate due to Motor Vehicle Collisions	Current: 13.5 deaths/100,000 population Target: 12.4 deaths/100,000 population	 Current Target		TARGET NOT MET
Pedestrian Death Rate	Current: 2.1 deaths/100,000 population Target: 1.3 deaths/100,000 population	 Current Target		TARGET NOT MET
Maternal, Infant and Child Health				
Babies with Low Birth Weight	Current: 6.6 percent Target: 7.8 percent	 Current Target		TARGET MET
Infant Mortality Rate	Current: 7.3 deaths/1,000 live births Target: 6 deaths/1,000 live births	 Current Target		TARGET NOT MET
Mothers who Received Early Prenatal Care	Current: 85.6 percent Target: 77.9 percent	 Current Target		TARGET MET
Preterm Births	Current: 9.6 percent Target: 11.4 percent	 Current Target		TARGET MET

Source: Arizona Health Matters: Healthy People 2020 Tracker. Data derived from U.S. Census Bureau, Arizona Cancer Registry, ADHS Vital Statistics, Arizona Criminal Justice Commission Arizona Youth Survey. Available online at: <http://www.arizonahealthmatters.org/>

COMMUNITY SHAPSHOT AND HEALTHY PEOPLE 2020

Indicator	Current and Target	Data	Since Prior Period	Status
Mental Health and Mental Disorders				
Age-Adjusted Death Rate due to Suicide	Current: 20.3 deaths/100,000 population Target: 10.2 deaths/100,000 population			
Substance Abuse				
Teens who Use Marijuana	Current: 15.1 percent Target: 6.0 percent			
Tobacco Use				
Teens who Smoke	Current: 17.0 percent Target: 16 percent			

Source: Arizona Health Matters: Healthy People 2020 Tracker. Data derived from U.S. Census Bureau, Arizona Cancer Registry, ADHS Vital Statistics, Arizona Criminal Justice Commission Arizona Youth Survey. Available online at: <http://www.arizonahealthmatters.org/>

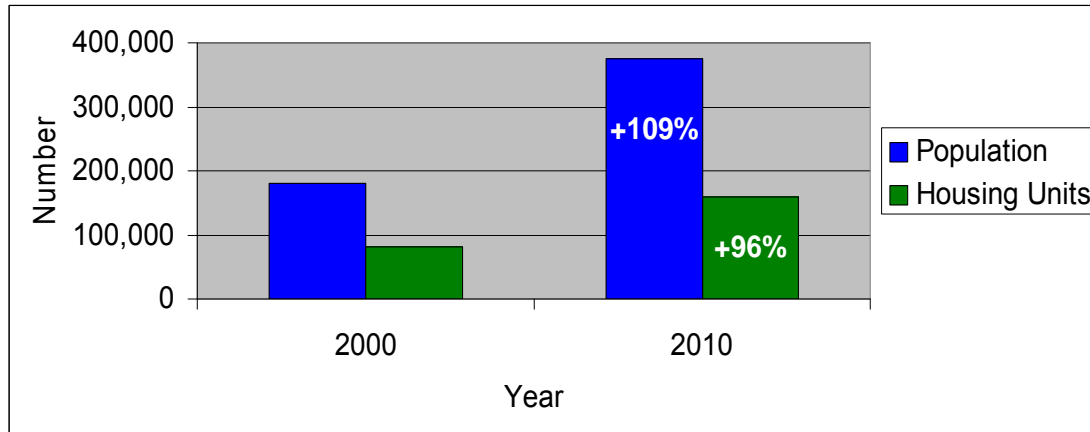
SOCIODEMOGRAPHIC INFORMATION

TABLE 1.1: PINAL COUNTY DEMOGRAPHIC PROFILE

People QuickFacts	Pinal County	Arizona	U.S.
Population, 2010	375,770	6,392,017	308,745,538
Population, percent change, 2000 to 2010	109.0%	24.60%	9.70%
Population, 2000	179,720	5,130,607	281,424,602
Persons under 5 years old, percent, 2009	8.00%	7.90%	6.90%
Persons under 18 years old, percent, 2009	26.50%	26.30%	24.30%
Persons 65 years old and over, percent, 2009	13.80%	13.10%	12.90%
Female persons, percent, 2009	47.80%	49.90%	50.70%
White persons, percent, 2010 (a)	72.40%	73.00%	72.40%
Black persons, percent, 2010 (a)	4.60%	4.10%	12.60%
American Indian and Alaska Native persons, percent, 2010 (a)	5.60%	4.60%	0.90%
Asian persons, percent, 2010 (a)	1.70%	2.80%	4.80%
Native Hawaiian and Other Pacific Islander, percent, 2010 (a)	0.40%	0.20%	0.20%
Persons reporting two or more races, percent, 2010	3.80%	3.40%	2.90%
Persons of Hispanic or Latino origin, percent, 2010 (b)	28.50%	29.60%	16.30%
White persons not Hispanic, persons, 2010	58.70%	57.80%	63.70%
Living in same house 1 year ago, pct 1 yr old & over, 2005-2009	75.50%	79.40%	83.80%
Foreign born persons, percent, 2005-2009	10.90%	14.70%	12.40%
Language other than English spoken at home, pct age 5+, 2005-2009	23.80%	27.90%	19.60%
High school graduates, percent of persons age 25+, 2005-2009	83.30%	83.90%	84.60%
Bachelor's degree or higher, pct of persons age 25+, 2005-2009	18.00%	25.70%	27.50%
Veterans, 2005-2009	28,921	550,681	22,894,578
Mean travel time to work (minutes), workers age 16+, 2005-2009	31.7	24.9	25.2
Housing units, 2009	148,032	2,752,991	129,969,653
Homeownership rate, 2005-2009	77.40%	68.30%	66.90%
Housing units in multi-unit structures, percent, 2005-2009	6.70%	20.70%	25.90%
Median value of owner-occupied housing units, 2005-2009	\$169,700	\$218,400	\$185,400
Households, 2005-2009	108,345	2,248,170	112,611,029
Persons per household, 2005-2009	2.54	2.76	2.60
Per capita money income in past 12 months (2009 dollars) 2005-2009	\$21,526	\$25,203	\$27,041
Median household income, 2009	\$49,088	\$48,711	\$50,221
Persons below poverty level, percent, 2009	13.70%	16.50%	14.30%

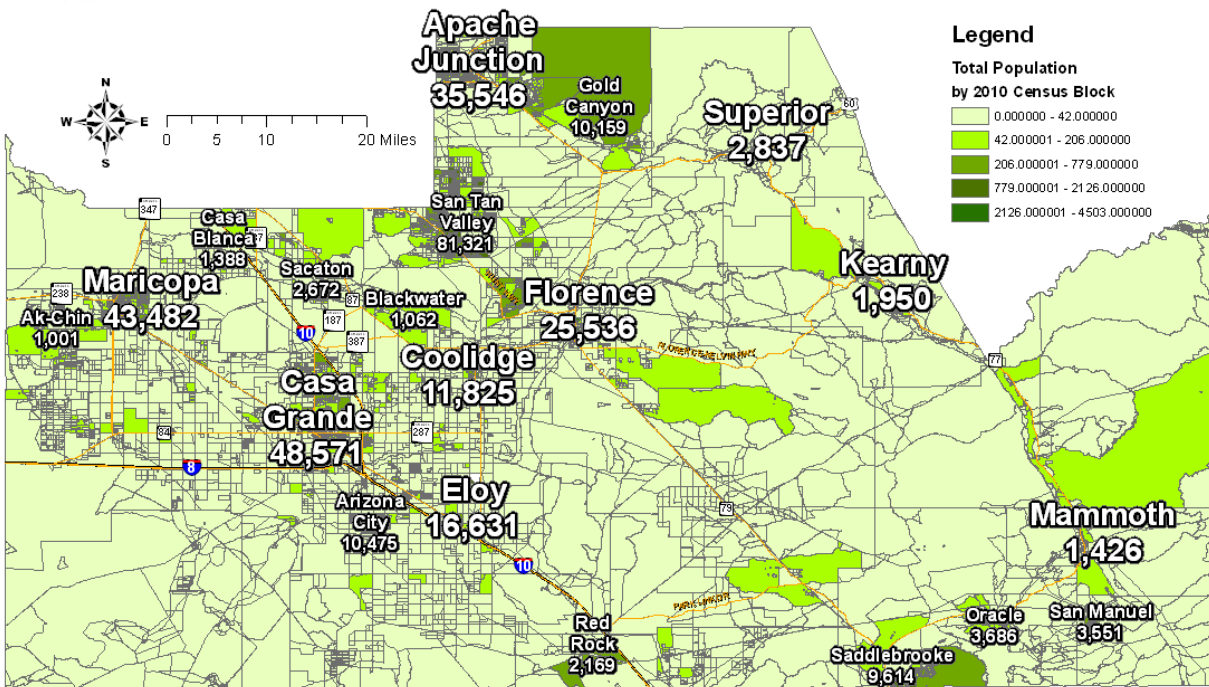
Source: U.S. Census Bureau: State and County QuickFacts. Data derived from Population Estimates, Census of Population and Housing, Small Area Income and Poverty Estimates, State and County Housing Unit Estimates, National Vital Statistics System. Available online at: <http://quickfacts.census.gov/>

FIGURE 1.1: PINAL COUNTY POPULATION GROWTH, 2000-2010



Pinal County is the second fastest growing metro-central county in the U.S., behind Kendall County in Illinois. Pinal County’s population grew by 109% from 179,720 in 2000 to 375,770 in 2010, with a concurrent 96% increase in housing units. The rest of Pinal County’s demographic profile remains similar to Arizona and the U.S.

FIGURE 1.2: PINAL COUNTY 2010 POPULATION MAP



Source: U.S. Census Bureau: State and County QuickFacts. Data derived from Population Estimates, Census of Population and Housing, Small Area Income and Poverty Estimates, State and County Housing Unit Estimates, National Vital Statistics System. Available online at: <http://quickfacts.census.gov/>

TABLE 1.2: PINAL COUNTY POPULATION AND POVERTY BY PLACE, 2010

Place	Total Population	Total Housing Units	Vacancy Rate	Individuals below poverty level (ACS 2005-09)
Pinal County	375,770	191,920	23.10%	13.90%
Ak-Chin Indian Community	1,001	299	5.90%	53.20%
Apache Junction	35,464	22,271	31.00%	14.00%
Arizona City CDP	10,475	5,046	21.60%	14.10%
Cactus Forest CDP	594	287	14.60%	N/A
Campo Bonito CDP	74	48	22.90%	N/A
Casa Grande	48,571	22,400	21.20%	17.20%
Coolidge	11,825	4,796	17.70%	21.20%
Dudleyville CDP	959	423	16.30%	49.00%
Eloy	16,631	3,691	19.20%	27.20%
Florence	25,536	5,224	36.30%	8.80%
Gila River Indian Community	8,718	2,403	7.00%	N/A
Gold Canyon CDP	10,159	6,874	28.90%	N/A
Kearny	1,950	878	13.90%	8.10%
Mammoth	1,426	635	23.30%	27.90%
Marana	0	0	0.00%	5.90%
Maricopa	43,482	17,240	16.70%	5.20%
Oracle CDP	3,686	1,772	14.50%	17.80%
Picacho CDP	471	185	9.70%	N/A
Queen Creek	449	163	7.40%	5.20%
Queen Valley CDP	788	621	35.90%	9.60%
Red Rock CDP	2,169	786	10.30%	N/A
Saddlebrooke CDP	9,614	5,671	13.50%	N/A
San Carlos Indian Community	0	1	100.00%	52.90%
San Manuel CDP	3,551	1,541	13.80%	24.30%
San Tan Valley CDP	81,321	29,417	15.90%	N/A
Stanfield CDP	740	222	11.70%	10.10%
Superior	2,837	1,465	24.70%	27.50%
Tohono-Oodham Indian Community	603	206	23.80%	N/A
Top-of-the World CDP	231	173	30.60%	0.00%
Winkelman	0	0	0.00%	17.60%
County Remainder (Unincorporated)	52,363	24,466	21.50%	N/A

Source: U.S. Census Bureau: State and County QuickFacts. Data derived from Population Estimates, Census of Population and Housing, Small Area Income and Poverty Estimates, State and County Housing Unit Estimates, National Vital Statistics System. Available online at: <http://quickfacts.census.gov/>

MORTALITY

In 2010, the leading causes of death in Pinal County are cancer and heart disease, followed by lung disease, drug or alcohol-induced death, and accidents. The mortality rate per 100,000 for all deaths in Pinal County is lower than Arizona. Although cancer, drug and alcohol-induced death and accidents rank higher in Pinal County compared to the leading causes of death in Arizona, the mortality rates for these causes of death are lower compared to Arizona.

TABLE 2.1: LEADING CAUSES OF DEATH IN PINAL COUNTY AND ARIZONA, 2010

Cause of death	Pinal County deaths	Mortality rate per 100,000	Arizona (State) deaths	Mortality rate per 100,000
Total deaths, all causes	2,258	600.9	45,871	717.6
Cancer	605	161.0	10,866	170.0
Heart disease	601	159.9	12,847	201.0
Lung disease	200	53.2	3,675	57.5
Drug or alcohol-induced death	114	30.3	2,058	32.2
Total accidents, not including motor vehicle accidents	93	24.7	2,123	33.2
Alzheimer's disease	77	20.5	2,314	36.2
Diabetes	77	20.5	1,372	21.5
Intentional self-harm or suicide	71	18.9	1,070	16.7
Assault, homicide or injury by a fire arm	66	17.6	1,311	20.5
Motor vehicle accidents	57	15.2	711	11.1
Chronic liver disease and cirrhosis, not including viral hepatitis	53	14.1	843	13.2
Symptoms, signs or abnormal findings	47	12.5	1,137	17.8
Kidney disease	31	8.2	525	8.2
Influenza and pneumonia	27	7.2	729	11.4
Septicemia	27	7.2	425	6.6

Source: Arizona Department of Health Services Vital Statistics. Data derived from ADHS 2010 Reports and U.S. Census Bureau 2010 Population Estimates. Available online at: <http://www.azdhs.gov/plan>

CHRONIC DISEASE MORBIDITY

TABLE 3.1: LEADING CAUSES OF HOSPITALIZATION BASED ON INPATIENT DISCHARGES IN PINAL COUNTY AND ARIZONA, 2009

Category of first-listed diagnosis	Pinal County	Rate per 10,000	Arizona (State)	Rate per 10,000
Total	39,599	1208.4	672,807	1020.1
Diseases of the heart and circulatory system	6,281	191.7	100,622	152.6
Diseases of the digestive system, including appendicitis, enteritis, colitis, diverticula of intestine, and cholelithiasis	4,385	133.8	72,452	109.8
Injury and poisoning	3,785	115.5	64,560	97.9
Diseases of the respiratory system, including pneumonia, bronchitis, and asthma	3,764	114.9	62,407	94.6
Diseases of the musculoskeletal system, including osteoarthritis and other disorders	2,439	74.4	40,736	61.8
Diseases of the genitourinary system, including kidney disease, etc.	2,538	77.4	38,302	58.1
Symptoms signs and ill-defined conditions	1,839	56.1	33,394	50.6
Endocrine nutritional metabolic and immunity diseases, including diabetes and morbid obesity	1,720	52.5	25,718	39.0
Cancer, including malignant and benign neoplasms	1,505	45.9	28,258	42.8
Infectious and parasitic diseases, including enterocolitis and septicemia	1,433	43.7	25,214	38.2
Diseases of the skin and subcutaneous tissue, including cellulitis and abscess	1,079	32.9	15,745	23.9
Diseases of the nervous system	817	24.9	14,631	22.2
Mental disorders, including alcohol and drug abuse, psychoses, anxiety, depression, and drug dependence**	550	16.8	17,969	27.2
Diseases of the blood and blood forming organs	380	11.6	6,554	9.9
Conditions originating in perinatal period	198	6.0	3,752	5.7
Congenital anomalies	159	4.9	2,960	4.5

Source: Arizona Department of Health Services Vital Statistics. Data derived from ADHS 2010 Reports and U.S. Census Bureau 2010 Population Estimates. Available online at: <http://www.azdhs.gov/plan>

TABLE 3.2: LEADING CAUSES OF EMERGENCY ROOM VISITS IN PINAL COUNTY AND ARIZONA, 2009

Leading diagnosis	Pinal County	Arizona (State)
Total, all visits	89,602	1,825,488
Abdominal pain	5,309	99,953
Acute upper respiratory infection, excluding pharyngitis	5,229	96,061
Contusion with intact skin surface	3,657	65,645
Chest pain	3,279	62,613
Mental disorders	2,876	58,400
Spinal disorders	2,814	54,223
Open wound, excluding head	2,157	48,493
Cellulitis and abscess	2,052	40,554
Open wound of head	1,848	38,823
Otitis media and eustachian tube disorders	1,298	37,019
Sprains and strains of neck and back	2,009	37,017
Headache	1,556	36,819
Urinary tract infection, site not specified	2,055	36,760
Sprains and strains, excluding ankle and back	1,905	34,851
Nausea, vomiting	1,601	33,950
Rheumatism, excluding back	1,684	31,815
Fever	1,650	31,274
Asthma	1,154	25,893
Acute pharyngitis	862	23,484
Pneumonia	1,089	22,335
Gastroenteritis and colitis	632	20,970
Chronic and unspecified bronchitis	602	20,721
Superficial injuries	916	19,311
Migraine	960	18,821
Unspecified viral and chlamydial infection	830	15,823
Heart disease, excluding ischemic	715	11,481

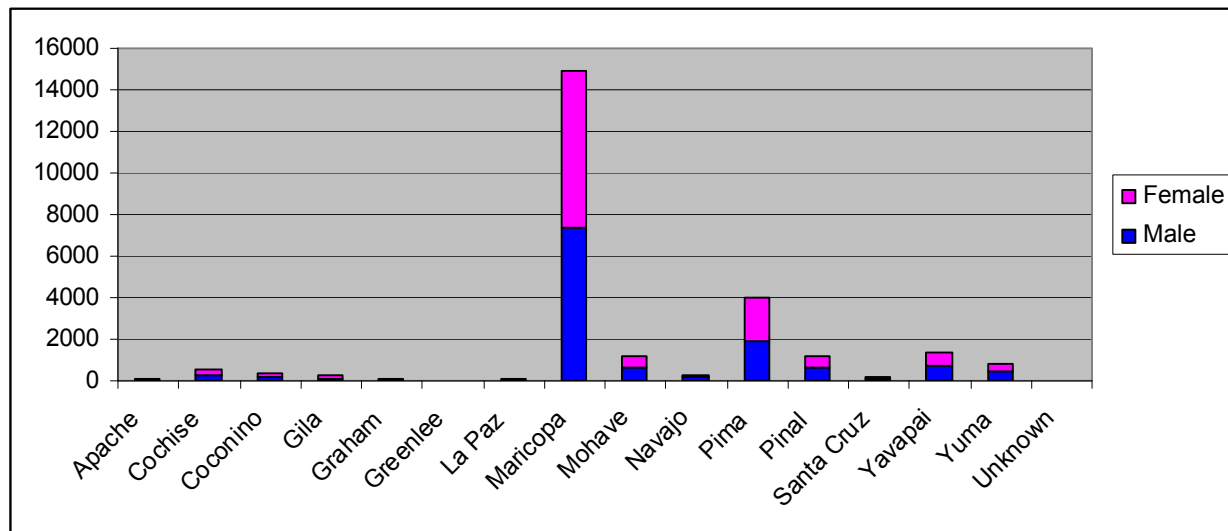
Source: Arizona Department of Health Services Vital Statistics. Data derived from ADHS 2009 Reports. Available online at: <http://www.azdhs.gov/plan>

TABLE 3.3: CHRONIC DISEASES AND DISABILITIES IN PINAL COUNTY AND ARIZONA, 2009

Survey Response	Pinal	Arizona	U.S.
Good or better health status, 2009	82.70%	85.50%	85.80%
Satisfied or very satisfied with life, 2009	94.70%	94.30%	N/A
Limitations of activities, 2009	23.10%	18.60%	N/A
Require special equipment for health reasons, 2009	7.40%	6.30%	N/A
Had a heart attack, 2009	5%	4.40%	3.90%
Diagnosed with angina or coronary heart disease, 2009	5.10%	3.40%	3.80%
High blood pressure	32.60%	26.60%	28.60%
High cholesterol	37.30%	40.90%	N/A
Population with asthma, 2009	16.10%	15.50%	13.40%
Cancer, 2009	11.60%	11.10%	N/A
Had a stroke	6.00%	2.60%	2.40%
Obesity	25.90%	35.60%	27.10%
Had diabetes not pregnancy related	10%	8.60%	8.40%

Source: Behavioral Risk Factor Surveillance Survey. Data derived from BRFSS 2009 Reports. Pinal County data is based on n=377 respondents. Available online at: <http://www.cdc.gov/BRFSS/>

FIGURE 3.1: NEW CASES OF CANCER IN ARIZONA BY SEX AND COUNTY, 2008



In 2004-2008, there were 370.7 cases per 100,000 population in Pinal County, compared with 398.3 cases per 100,000 in Arizona.

Source: Arizona Department of Health Services Arizona Cancer Registry. Data derived from ADHS 2004-2008 Reports. Available online at: <http://www.azdhs.gov/phs/phstats/acr/index.htm>

FIGURE 3.2: OBESITY AMONG ADULTS IN ARIZONA BY COUNTY, 2008

County	Percentage
Apache County	31.7%
Cochise County	23.3%
Coconino County	20.8%
Gila County	25.8%
Graham County	30.1%
Greenlee County	32.8%
La Paz County	28.6%
Maricopa County	23.1%
Mohave County	27.0%
Navajo County	27.6%
Pima County	23.5%
Pinal County	29.0%
Santa Cruz County	21.0%
Yavapai County	20.1%
Yuma County	26.6%

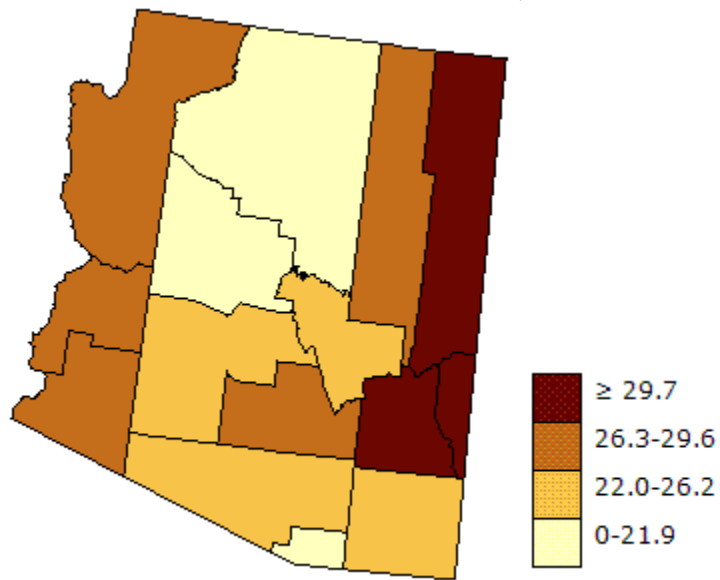
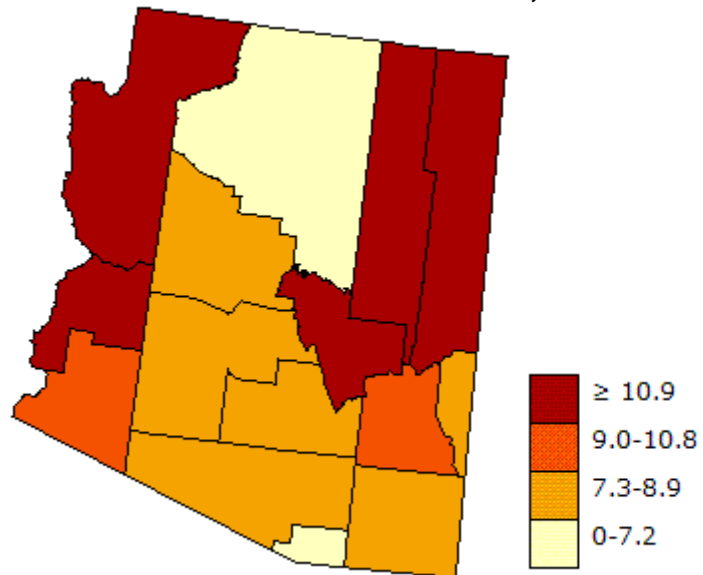


FIGURE 3.3: DIABETES AMONG ADULTS IN ARIZONA BY COUNTY, 2008

County	Percentage
Apache County	13.6%
Cochise County	8.4%
Coconino County	7.1%
Gila County	10.9%
Graham County	9.1%
Greenlee County	8.2%
La Paz County	12.0%
Maricopa County	7.4%
Mohave County	11.1%
Navajo County	12.9%
Pima County	7.8%
Pinal County	8.4%
Santa Cruz County	6.3%
Yavapai County	8.0%
Yuma County	10.0%



In the U.S. an estimated 8.3% (25.8 million) of the population have diabetes. Compared to non-Hispanic white adults, the risk of diagnosed diabetes is higher among American Indian, Hispanics, and non-Hispanic blacks. Among adults with diagnosed diabetes in the U.S., 12% take insulin only, 14% take both insulin and oral medication, 58% take oral medication only, and 16% do not take medication. In 2007, the estimated cost of diabetes in the U.S. was \$174 billion in indirect and direct medical costs.

Source: Centers for Disease Control and Prevention: National Diabetes Surveillance System. Data derived from CDC 2008 Reports. Available online at: <http://www.cdc.gov/diabetes/statistics/index.htm>

COMMUNICABLE DISEASE MORBIDITY

In 2009, 171 communicable disease outbreaks were reported and investigated from ten county health departments in Arizona; Pinal County reported 2 outbreaks (1.17%). The most frequently reported type of outbreak in Arizona was gastrointestinal (GI) illness representing 46% of the reports. Other frequently reported outbreaks include respiratory illness (37%) and vaccine-preventable diseases (8%). The top five reported suspect infectious agents causing outbreaks in Arizona for 2009 were influenza (32%), norovirus (19%), varicella (8%), *Shigella* spp. (8%) and *Streptococcus* Group A (5%). Other infectious agents represented 13% of the total outbreak reports and in 15% of the outbreaks an agent could not be determined.

GI illness outbreaks were most frequently reported in a restaurant and hospital or assisted living facility with 29 (37%) and 24 (31%) reported outbreaks, respectively. GI illness outbreaks were usually medium in size with five to 50 people per outbreak report. For respiratory outbreaks, 57 (89%) were located at a school or childcare facility, and three (5%) located in a prison or jail, and most involved over 100 people. For vaccine preventable diseases, 13 (93%) of the outbreaks were reported from a school or childcare facility; outbreaks were usually small with <5 people per outbreak. For lice and mites, 5 (71%) were located in a hospital or assisted living facility and one outbreak was reported from a school or child care facility, most frequently reported in 5 to 10 people. West Nile Virus (WNV) human cases and positive mosquito pools were prevalent in the East Valley of Metro Phoenix in Maricopa and Pinal Counties.

The 2009 Arizona rate was 3.5 tuberculosis (TB) cases per 100,000 in population, which was less than the U.S. rate of 3.8 TB cases per 100,000. There were 232 reported cases of TB in Arizona in 2009, a 2% increase from 2008. Maricopa, Pima, Pinal, and Yuma counties accounted for 91% (210/232) of the cases. Arizona ranks 13th among all states for TB morbidity; Arizona has observed an increasing proportion of cases among foreign-born individuals. In 2009, 66% (154/232) of Arizona cases were born outside the U.S. and its territories. TB cases diagnosed in correctional facilities accounted for 17% (37/216) of the reported cases.

Although chlamydia case rates seem to have leveled off over the last four years and gonorrhea has declined significantly, a closer examination shows rates among young people ages 15-24 reveals a much higher burden of disease. African Americans and American Indians have disproportionately higher rates of chlamydia and gonorrhea compared to other groups. An analysis of the annual case rate trends of early syphilis by race and ethnicity shows a decrease in the annual case rate among African Americans and American Indians in Arizona recently. The total number of congenital syphilis cases has decreased from the two previous years; this decrease mirrors the decrease seen statewide in both P&S and early syphilis and may reflect increased local and statewide awareness and prevention activities related to congenital syphilis. The total number of prevalent HIV/AIDS cases has increased slightly each year; in 2009, the number of AIDS prevalent cases surpassed the number of HIV cases recorded in

Arizona for the first time. African American men and women appear to be disproportionately impacted by the HIV/AIDS epidemic in Arizona; White and Hispanic men as well as Native American women also have noteworthy prevalence rates of HIV/AIDS.

TABLE 4.1: NEW CASES OF VACCINE PREVENTABLE DISEASES IN PINAL COUNTY AND ARIZONA, 2010

Reported Diseases	Pinal County Cases	Rate per 100,000	Arizona (State) Cases	Rate per 100,000
Haemophilus Influenzae (non-b and type b)	4	1.1	115	1.8
Influenza*	34	9.0	1,156	18.1
Measles	0	0.0	1	0.0
Mumps	0	0.0	5	0.1
Pertussis	18	4.8	546	8.5
Rubella	0	0.0	1	0.0
Tetanus	0	0.0	2	0.0
Varicella	66	17.6	N/A	N/A

TABLE 4.2: NEW CASES OF ENTERIC DISEASES (FOOD AND WATERBORNE ILLNESSES) IN PINAL COUNTY AND ARIZONA, 2010

Reported Diseases	Pinal County Cases	Rate per 100,000	Arizona (State) Cases	Rate per 100,000
Amebiasis	1	0.3	13	0.2
Campylobacteriosis	32	8.5	956	15.0
Cryptosporidiosis	2	0.5	40	0.6
Enterohemorrhagic Escherichia Coli	11	2.9	100	1.6
Giardiasis	6	1.6	167	2.6
Listeriosis	0	0.0	10	0.2
Salmonellosis	66	17.6	993	15.5
Shigellosis	16	4.3	457	7.1
Typhoid Fever	0	0.0	6	0.1
Vibrio	0	0.0	18	0.3
Yersiniosis	0	0.0	3	0.0

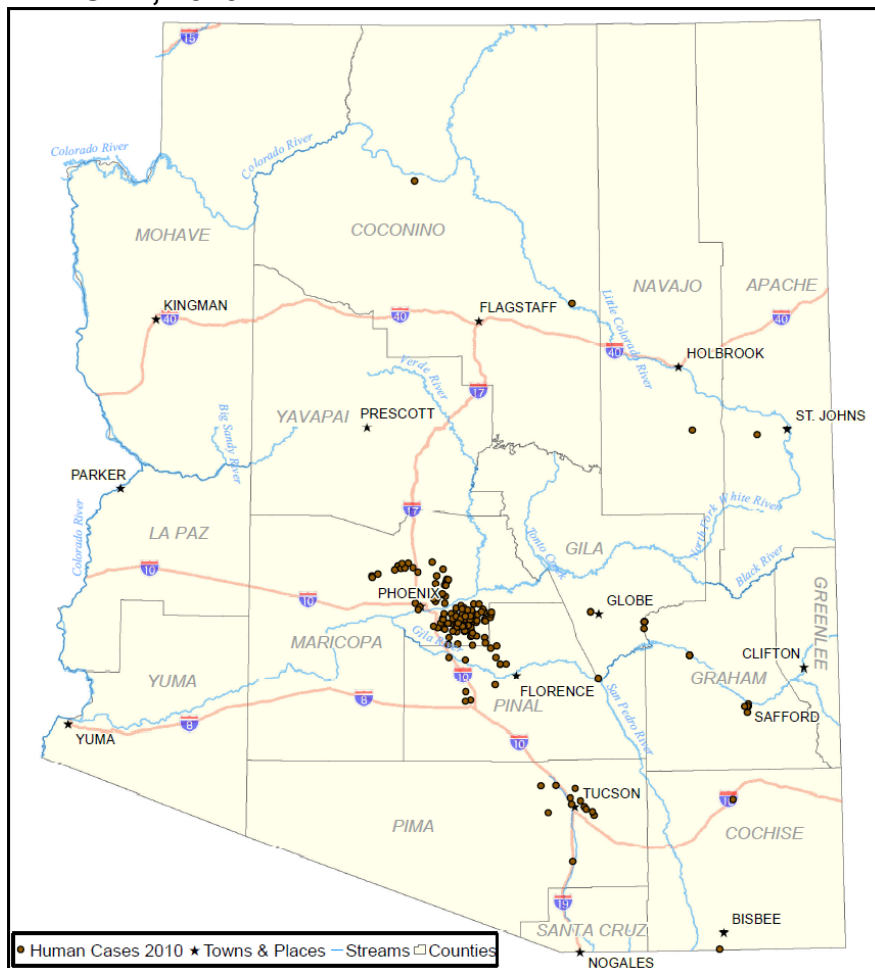
TABLE 4.3: NEW CASES OF INVASIVE DISEASES IN PINAL COUNTY AND ARIZONA, 2010

Reported Diseases	Pinal County Cases	Rate per 100,000	Arizona (State) Cases	Rate per 100,000
Aseptic Meningitis	25	6.7	733	11.5
Group A Streptococcus	6	1.6	190	3.0
Group B Streptococcus, infant <90 days	0	0.0	45	0.7
Legionellosis	2	0.5	65	1.0
Meningococcal Invasive Disease	0	0.0	14	0.2
Methicillin-resistant Staphylococcus Aureus	47	12.5	1,164	18.2
Streptococcus pneumoniae	42	11.2	823	12.9

TABLE 4.4: NEW CASES OF VECTOR-BORNE DISEASES IN PINAL COUNTY AND ARIZONA, 2010

Reported Diseases	Pinal County Cases	Rate per 100,000	Arizona (State) Cases	Rate per 100,000
Colorado Tick Fever	0	0.0	1	0.0
Dengue	1	0.3	10	0.2
Hantavirus	0	0.0	0	0.0
Lyme Disease	0	0.0	2	0.0
Malaria	1	0.3	28	0.4
Rabies-Animals tested positive	8	2.1	103	1.6
Rocky Mountain Spotted Fever	1	0.3	17	0.3
Scabies	6	1.6	N/A	N/A
West Nile Virus	15	4.0	164	2.6

FIGURE 4.1: MAP OF NEW CASES OF WEST NILE VIRUS IN HUMANS IN ARIZONA, 2010



Source: Pinal County Infectious Disease and Epidemiology Section, ADHS Bureau of Epidemiology and Disease Control. Data derived from 2010 Reports. Available online at: www.azdhs.gov/phs/oids/westnile

TABLE 4.5: NEW CASES OF TUBERCULOSIS IN PINAL COUNTY AND ARIZONA, 2010

Reported Diseases	Pinal County Cases	Rate per 100,000	Arizona (State) Cases	Rate per 100,000
Newly diagnosed active cases	49	13.0	283	4.4
Newly diagnosed LTBI cases	40	10.6	N/A	N/A

TABLE 4.6: NEW CASES OF SEXUALLY TRANSMITTED DISEASES IN PINAL COUNTY AND ARIZONA, 2010

Reported Diseases	Pinal County Cases	Rate per 100,000	Arizona (State) Cases	Rate per 100,000
Chlamydia	944	251.2	26,935	421.4
Gonorrhea	55	14.6	3,255	50.9
Syphilis (P,S,EL)	11	2.9	396	6.2
Congenital syphilis	0	0.0	16	0.3
HIV/AIDS*	25	6.7	659*	0.0

*Arizona (State) estimate of new HIV cases is based on 2009 reports; all other cases are from 2010 reports.

TABLE 4.7: NEW CASES OF OTHER REPORTABLE DISEASES IN PINAL COUNTY AND ARIZONA, 2010

Reported Diseases	Pinal County Cases	Rate per 100,000	Arizona (State) Cases	Rate per 100,000
Basidiobolomycosis	1	0.3	1	0.0
Brucellosis	0	0.0	9	0.1
Coccidioidomycosis (Valley fever)	559	148.8	11,888	186.0
Creutzfeldt-Jakob	0	0.0	8	0.1
Cysticercosis	0	0.0	1	0.0
Encephalitis, parasitic	0	0.0	3	0.0
Encephalitis, viral	0	0.0	6	0.1
Flu-associated pediatric death	0	0.0	1	0.0
Hansen's disease	0	0.0	1	0.0
Hemolytic uremic syndrome	0	0.0	2	0.0
Hepatitis A	5	1.3	61	1.0
Hepatitis B (perinatal)	44	11.7	1,112	17.4
Hepatitis C	104	27.7	N/A	N/A
Hepatitis D	0	0.0	1	0.0
Hepatitis E	0	0.0	N/A	N/A
Kawasaki syndrome	2	0.5	22	0.3
Melioidosis or glanders	0	0.0	1	0.0
Q fever	0	0.0	6	0.1
RSV (lab reportable only)	306	81.4	N/A	N/A
Taeniasis	0	0.0	1	0.0
Toxic Shock Syndrome	0	0.0	3	0.0
Tularemia	0	0.0	1	0.0
Unexplained death with fever	8	2.1	N/A	N/A
Vaccinia-related event	0	0.0	1	0.0
VISA	0	0.0	3	0.0

Source: Pinal County Infectious Disease and Epidemiology Section, ADHS Bureau of Epidemiology and Disease Control, Office of Infectious Disease Services and Sexually Transmitted Disease Program. Data derived from Annual Report 2009 and Annual Report 2010.

MATERNAL AND CHILD HEALTH

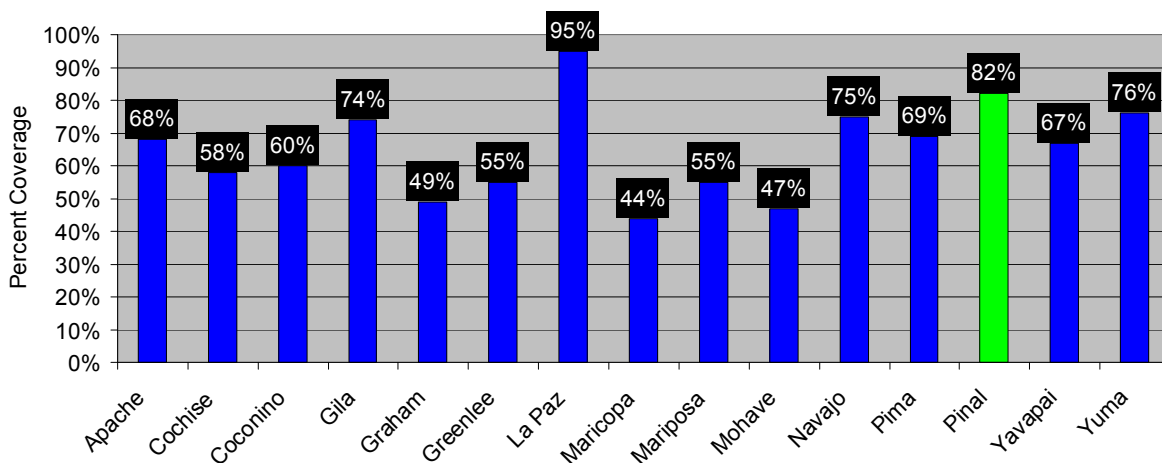
TABLE 5.1: PREGNANCIES OUTCOMES BY AGE GROUP IN PINAL COUNTY AND ARIZONA, 2010

Geographic Area	Outcome	Total	Rate per 1,000 pregnancies	Mother's age group						
				<17	18-19	20-24	25-29	30-34	35-39	40+
Pinal	Total pregnancies	5,231	---	172	368	1,308	1,672	1,124	480	107
	Births	4,990	953.9	162	349	1,252	1,609	1,078	444	96
	Abortions	217	41.5	9	19	52	57	41	31	8
	Fetal deaths	24	4.6	1	0	4	6	5	5	3
Arizona	Total pregnancies	98,555	---	3,525	7,467	25,980	27,632	21,068	10,234	2,493
	Births	87,053	883.3	3,027	6,401	22,216	24,900	19,299	9,115	2,095
	Abortions	11,059	112.2	479	1,033	3,660	2,618	1,695	1,044	374
	Fetal deaths	443	4.5	19	33	104	114	74	75	24

TABLE 5.2: LOW-BIRTHWEIGHT AND INFANT MORTALITY IN PINAL COUNTY AND ARIZONA, 2010

Geographic Area	Low-birthweight births	Low-birthweight births per 100 births	Infant deaths	Infant mortality rate per 1,000 live births
Pinal County	330	6.6	20	4.0
Arizona	6,155	7.1	519	6.0
USA	N/A	N/A	24,500	6.1

FIGURE 5.1: CHILDHOOD IMMUNIZATION COVERAGE RATES FOR THE 4:3:1:3:3:1 SERIES BY TWO YEARS OLD IN ARIZONA BY COUNTY, 2010



Source: National Center for Health Statistics: Data derived from provisional monthly 2010 reports. Available online at: <http://www.cdc.gov/nchs>. ADHS Vital Statistics: Data derived from 2010 reports. Available online at: <http://www.azdhs.gov/plan>.

TABLE 5.3: ADDITIONAL CHARACTERISTICS OF NEWBORNS AND WOMEN GIVING BIRTH IN PINAL COUNTY, 2010

		Total	Mother's age group								
			<15	15-17	18-19	20-24	25-29	30-34	35-39	40-44	45+
Total births in Pinal County		4,990	6	156	349	1,252	1,609	1,078	444	95	1
Payee for births	AHCCCS	2,321	4	124	299	770	607	353	133	30	1
	IHS	68	0	6	4	29	16	8	4	1	0
	Private insurance	2,441	2	21	38	411	943	674	293	59	0
	Self	130	0	2	8	35	31	38	11	5	0
	Unknown	30	0	3	0	7	12	5	3	0	0
Marital status	Married	2,923	0	9	40	534	1,100	804	362	73	1
	Unmarried	2,026	6	147	309	710	491	266	78	19	0
	Other*	41	0	0	0	8	18	8	4	3	0
Prenatal care	No care	80	0	6	10	20	17	13	9	5	0
	1st trimester	4,317	2	115	265	1,046	1,438	963	407	80	1
	2nd trimester	497	4	32	67	150	125	87	23	9	0
	3rd trimester	95	0	3	7	36	28	15	5	1	0
	Unknown	1	0	0	0	0	1	0	0	0	0
Prenatal visits	No visits	80	0	6	10	20	17	13	9	5	0
	1-4 visits	114	1	4	15	42	28	20	3	1	0
	5-8 visits	520	3	29	56	138	149	106	32	7	0
	9-12 visits	3,007	2	94	221	792	961	624	259	53	1
	13+ visits	1,268	0	23	47	260	453	315	141	29	0
	Unknown	1	0	0	0	0	1	0	0	0	0
Weight at birth	<2,500 grams	330	1	13	29	76	99	68	38	6	0
	2,500+ grams	4,659	5	143	320	1,176	1,510	1,010	405	89	1
	Unknown	1	0	0	0	0	0	0	1	0	0

Source: National Center for Health Statistics: Data derived from provisional monthly 2010 reports. Available online at: <http://www.cdc.gov/nchs>. ADHS Vital Statistics: Data derived from 2010 reports. Available online at: <http://www.azdhs.gov/plan>.

BEHAVIORAL HEALTH

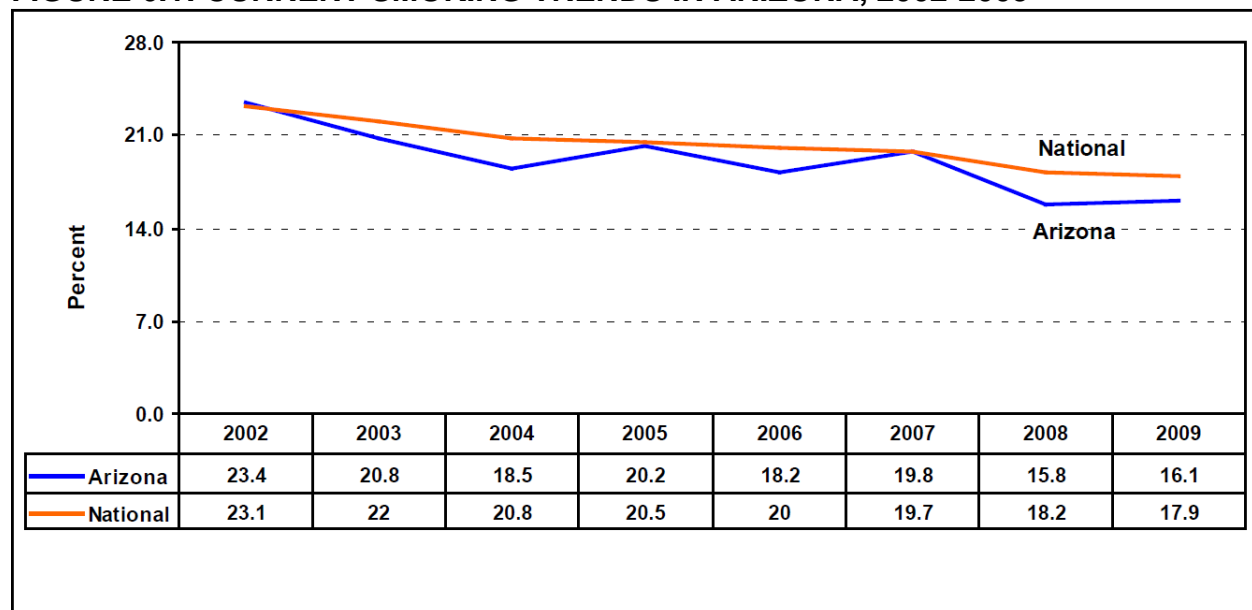
TABLE 6.1: TOBACCO AND ALCOHOL USE AMONG ADULTS IN PINAL COUNTY AND ARIZONA, 2009

Survey Response	Pinal County	Arizona	U.S.
Binge drinking among adults, reported as ≥5 drinks on 1 occasion	17.80%	14.90%	15.50%
Heavy drinking among adults, reported as ≥2 drinks/day	7.10%	6%	5.10%
Current smokers, reporting smoking ≥100 cigarettes in lifetime	21.90%	16.10%	17.90%

TABLE 6.2: ALCOHOL, TOBACCO AND SUBSTANCE ABUSE AMONG TEENS IN PINAL COUNTY AND ARIZONA, 2010

Survey Response	Pinal County	Arizona
Teens who have smoked	41.0%	34.0%
Teens who smoke	17.0%	14.7%
Tees who use alcohol	34.4%	31.9%
Teens who use marijuana	15.1%	14.8%
Teens who have used methamphetamines	2.3%	1.5%

FIGURE 6.1: CURRENT SMOKING TRENDS IN ARIZONA, 2002-2009

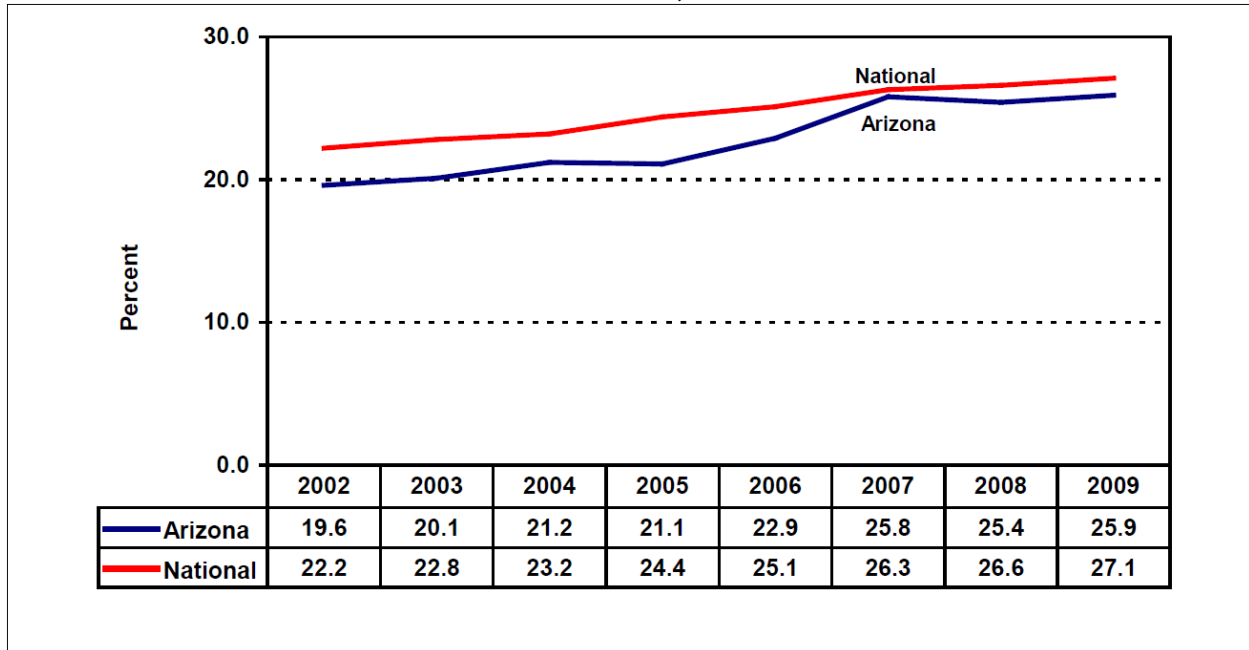


Source: Behavioral Risk Factor Surveillance System: Data derived from 2007-2010 surveys. Available online at: <http://www.cdc.gov/BRFSS/>. Youth Risk Behavior Surveillance System: Data derived from 2010 surveys. Available online at: <http://apps.nccd.cdc.gov/youthonline/>. Arizona Youth Survey: Data derived from 2010 survey. Available online at: <http://www.azcjc.gov/>.

TABLE 6.3: OBESITY, DIET AND EXERCISE IN PINAL COUNTY AND ARIZONA, 2009

Survey Response	Pinal County	Arizona	U.S.
Adults who reported being obese (BMI≥30)	25.90%	35.60%	27.10%
Adults who reported consuming ≥5 fruits and vegetables daily	24.10%	20.40%	23.40%
Adults who reported meeting recommended physical activity	50.50%	51.70%	---

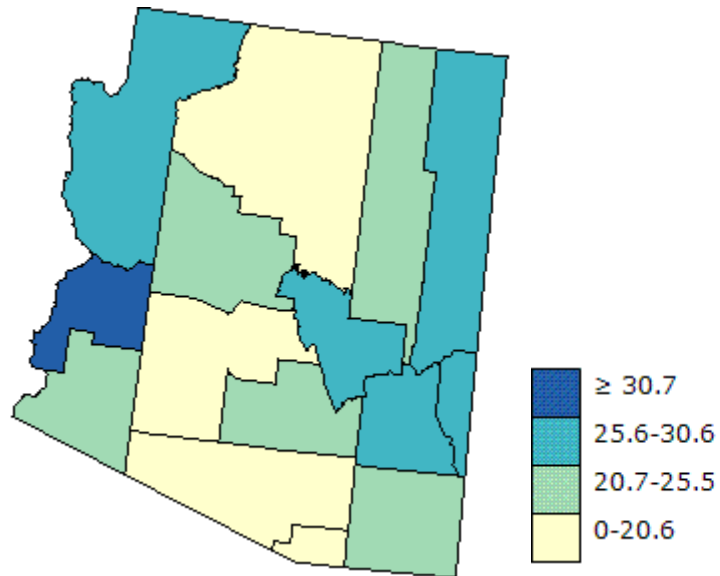
FIGURE 6.3: OBESITY TRENDS IN ARIZONA, 2002-2009



Source: Behavioral Risk Factor Surveillance System: Data derived from 2007-2010 surveys. Available online at: <http://www.cdc.gov/BRFSS/>.

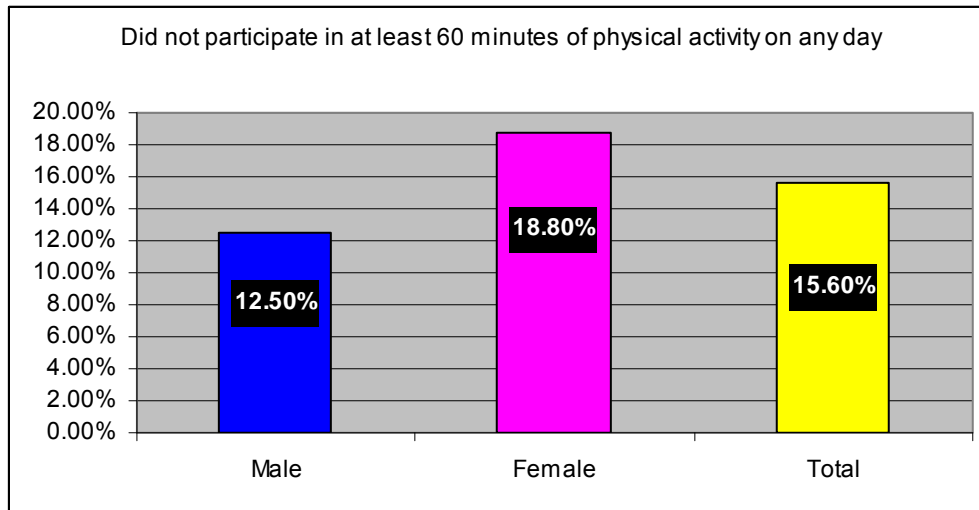
FIGURE 6.4: PHYSICAL INACTIVITY AMONG ADULTS IN ARIZONA BY COUNTY, 2008

County	Percentage
Apache County	29.2%
Cochise County	24.6%
Coconino County	16.8%
Gila County	26.2%
Graham County	27.0%
Greenlee County	27.7%
La Paz County	32.6%
Maricopa County	19.0%
Mohave County	28.5%
Navajo County	24.2%
Pima County	20.2%
Pinal County	23.9%
Santa Cruz County	17.5%
Yavapai County	21.5%
Yuma County	24.0%



Source: Centers for Disease Control and Prevention: National Diabetes Surveillance System. Available online at: <http://www.cdc.gov/diabetes/statistics/index.htm>.

TABLE 6.5: PHYSICAL INACTIVITY AMONG TEENS IN ARIZONA, 2009



Source: Youth Risk Behavior Surveillance System: Data derived from 2010 surveys. Available online at: <http://apps.nccd.cdc.gov/youthonline/>. Arizona Youth Survey: Data derived from 2010 survey. Available online at: <http://www.azcjc.gov/>.

TABLE 6.5: ACCESS TO HEALTH CARE IN PINAL COUNTY AND ARIZONA, 2009

Survey Response	Pinal County	Arizona	U.S.
Could not afford needed healthcare	10.90%	14.10%	N/A
Had a checkup in last year	69.90%	65.90%	N/A
Uninsured	12.80%	15.00%	14.60%
Had a personal doctor or health care provider	81.10%	79.40%	N/A

TABLE 6.6: ORAL HEALTH AND SCREENING BEHAVIORS IN ARIZONA, 2009

Survey Response	Arizona
Mammograms within 2 years, age 40+	75.60%
Pap test in past 3 years	79.30%
Colorectal cancer screening, age 50+	66.80%
PSA test in past 2 years, 40+	60.10%
Adults age 65+ with all natural teeth extracted	13.40%
Adults with any permanent teeth extracted	51.30%
Dental visit within past year	70.10%

Source: Behavioral Risk Factor Surveillance System: Data derived from 2007-2010 surveys. Available online at: <http://www.cdc.gov/BRFSS/>.

CONTACT INFORMATION

PINAL COUNTY PUBLIC HEALTH CLINIC LOCATIONS

<p>APACHE JUNCTION CLINIC 575 N. Idaho St., Sk 301 Apache Junction, AZ 85119 WIC & Immunizations: Mon-Sat 8am-6pm</p> <p>CASA GRANDE CLINIC 820 E. Cottonwood Ln., Building E Casa Grande, AZ 85122 WIC & Immunizations: Mon-Sat 8am-6pm</p> <p>COOLIDGE CLINIC 119 W. Central Coolidge, AZ 85128 WIC & Immunizations: Tue-Fri 8am-6pm</p> <p>ELOY CLINIC 302 E. 5th St., P. O. Box 70 Eloy, AZ 85131 WIC & Immunizations: Mon-Thu 8am-6pm CLOSED <i>until further notice</i></p>	<p>FLORENCE CLINIC 500 S. Central Florence, AZ 85132 CLOSED (<i>Open for Food Plus only</i>)</p> <p>KEARNY CLINIC 355 Alden Road, P. O. Box 28 Kearny, AZ 85137 Immunizations: Wed 8am-6pm WIC: Wed and Fri 8-6pm</p> <p>MAMMOTH CLINIC 110 Main St., P.O. Box 634 Mammoth, AZ 85618 Immunizations: Wed-Sat 8am-6pm WIC: Wed and Sat 8am-6pm</p> <p>MOBILE UNIT 44625 West Garvey Avenue Maricopa, AZ 85139 Immunizations: Tue-Thu 9am-4pm (except 1st Tue of month) WIC: Tue-Thu 9am-4pm</p>	<p>ORACLE CLINIC 1870 W. American Ave. Oracle, AZ 85623 Immunizations: 2nd Fri of month 8am-6pm WIC: Fri 8am-6pm</p> <p>SAN MANUEL CLINIC Sun Life at 23 S. McNab Pkwy San Manuel, AZ 85631 WIC only: Mon 7am-5pm</p> <p>STANFIELD CLINIC 36711 W. Papago Dr. Stanfield, AZ 85172 Immunizations: 2nd Wed of month 8am-6pm WIC: Wed and Fri 8am-6pm</p> <p>SUPERIOR CLINIC 60 E. Main St. Superior, AZ 85173 Immunizations: 3rd Thu of month 8am-6pm WIC: Every Thu 8am-6pm</p>
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CENTRAL APPOINTMENT DESK

For general information, or to schedule appointments for Woman Infants and Children (WIC), Well Woman HealthCheck, or Family Planning at one of our Clinic Locations, please call the Central Appointment Desk toll free at 1-866-960-0633, Monday through Friday from 8:00am to 5:00pm.

VITAL RECORDS (BIRTH AND DEATH CERTIFICATES)

For birth certificates or death certificate information, please call Vital Records via our toll free directory at 1-800-231-8499 during regular business hours.

REPORT A PUBLIC HEALTH EMERGENCY OR DISEASE

During normal business hours, please request the Public Health Duty Officer at 520-866-7319. If after business hours, please call 520-866-5111 (Sheriff's Dispatch Center) and ask for the Public Health Duty Officer.

CONTACT INFORMATION

DIRECTOR'S OFFICE

Mailing Address:

Pinal County Public Health Services District
P.O. Box 2945
500 S. Central Ave.
Florence, AZ 85132
Phone: 520-866-7319
Fax: 520-866-7181
E-mail: Tom.Schryer@pinalcountyz.gov

Phone and Website:

Central Appointment Desk:	1-866-960-0633
Toll Free Directory:	1-800-231-8499
Fax:	1-520-866-7358
All Hazards Info Hotline:	1-866-279-7148
Report an Emergency:	1-520-866-7319 or 1-520-866-5111
Website:	http://pinalcountyz.gov