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Our Vision

Healthy people in healthy communities.

Our Mission

To promote, protect, and improve the health of our communities.

Our Standards of Excellence

Service, Quality, Integrity, Fiscal Responsibility, Responsibility, Timeliness, Professionalism, Teamwork, Resourcefulness, Development

Our Strategic Priorities

- *To impact Mohave County's winnable battles*
- *To strengthen the county public health system*
 - *Build awareness of public health value*
 - *Interpret the internal impact of healthcare legislation*
- *To maximize MCDPH effectiveness*
 - *Improve internal and external communication*
 - *Improve data utilization and surveillance*
 - *Improve employee engagement and training*
- *To promote and protect community safety*



Our Challenge

Fiscal year 2013-2014 was one full of challenges and accomplishments. During the previous year, we undertook the process of partnering with Kingman Regional Medical Center to conduct a Community Health Assessment (CHA). The CHA was the first part of a two-pronged approach for improving health and quality of life in Mohave County. This year, the community coalition used the data from the CHA to identify and address priority health issues. The results of analysis has resulted in a Community Health Improvement Plan (CHIP). The CHIP includes strategies and measures for acting on the selected community health issues.

The CHA and CHIP are ongoing processes as they are performed every three years. This planning and working together as a community encourages collaboration among community partners and provides a more coordinated approach to current health issues. The resources developed in this collaborative process can be used by our community partners to improve the health of our citizens and visitors.

During the year, our management team made the decision to pursue Public Health Accreditation. We received grant funding from the Arizona Department of Health Services to assist with the activities needed to meet accreditation. The major requirements for accreditation include conducting strategic planning, completing a CHA and CHIP, instituting continuous quality improvement, and establishing a performance management system. Accreditation is determined by the Public Health Accreditation Board (www.phaboard.org). We are pursuing accreditation in an effort to assure accountability to you, the community we serve; to meet our mission of promoting, protecting and improving the health of Mohave County; and to build on our strengths and improve upon our weaknesses.

With technical assistance from the Arizona Department of Health Services, our management team developed a new strategic plan and resulting strategic map. This was presented to our department supervisors for review and input and then presented to division staff for review and input. The final document has been printed and distributed to all staff and posted in each of our divisions. We have five focus areas of improvement on our strategic map and staff is actively working on building awareness of public health value, improving internal and external communication, improving data utilization and surveillance, improving employee engagement and training, and determining the effects of the Affordable Care Act related to our core services and what the future of public health will look like.

This is a challenging time for public health but our commitment remains the same – healthy people in healthy communities.



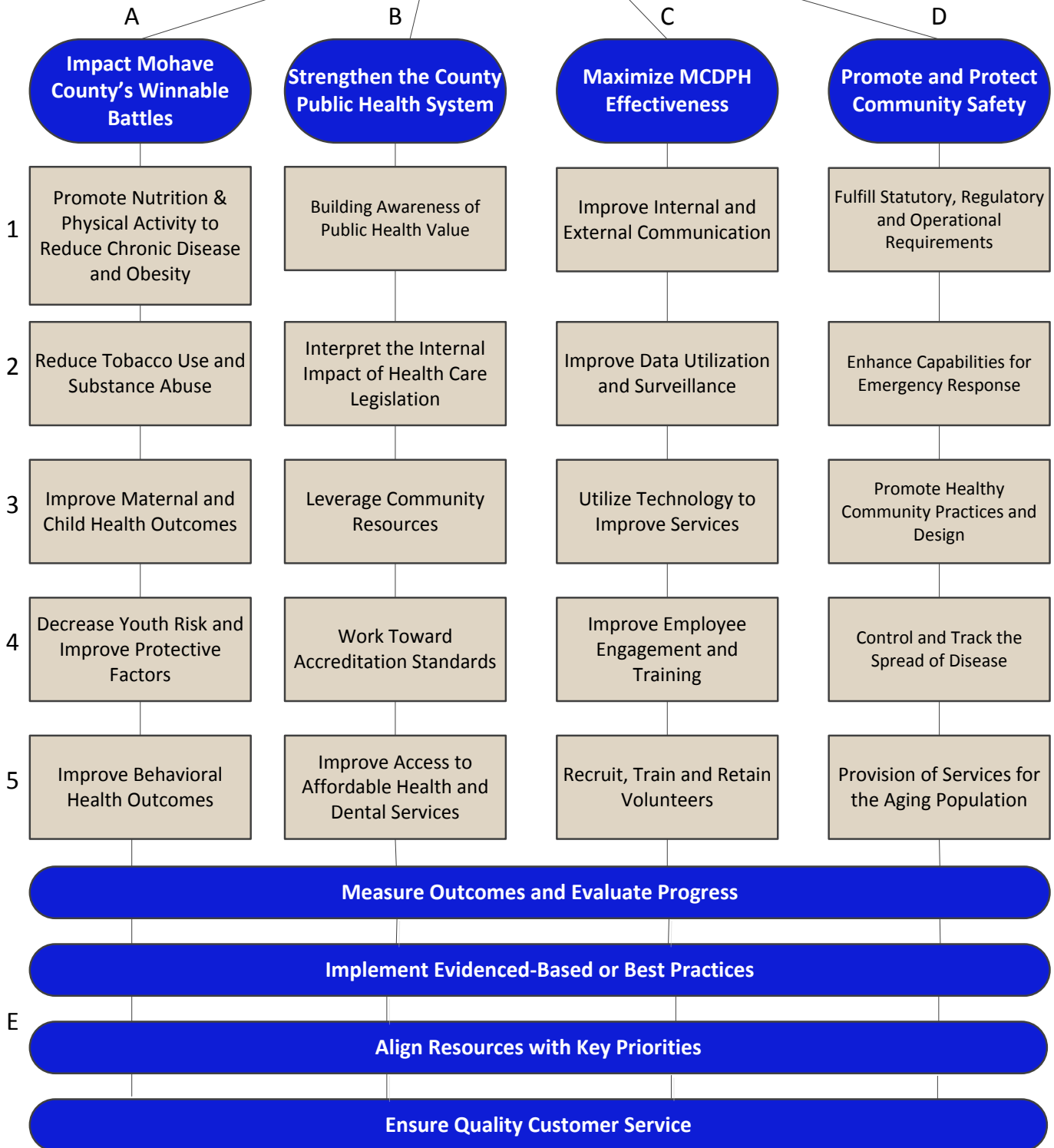
Mohave County Department of Public Health

Strategic Map 2014 – 2019

Vision:
Healthy People in
Healthy Communities

**Achieve Targeted
Improvements in Health
Outcomes**

Mission:
To Promote, Protect and Improve
the Health of Our Communities



Community Health Improvement Plan

The Community Health Improvement Plan (CHIP) was completed in May, 2014 and included input from over 50 organizations throughout the county. As the CHIP is 26 pages long, the full report can be found on both the Mohave County website (www.mohavecounty.us) and our department website (www.HealthELinks.com). Excerpt from the report follow:

Healthy people are among a community’s most essential resources. Therefore, improving community health, improves quality of life for all of us. This is a daunting task. In all reality, there is only so much that can be done from a community standpoint because good health is a personal responsibility and a result of personal choices. However, as a community, we can work together to address certain barriers to good health that are under our control.

The Mohave County community health assessment finds that far too many of our residents suffer from poor physical or mental health. When compared to state and national statistics, Mohave County ranks poorly in most health indicators. While some of this can be attributed to a higher than average population of senior citizens (who naturally have more chronic health conditions), our community health assessment indicates other larger causes: poor economic conditions, unhealthy behaviors and attitudes, restricted access to primary care and preventative healthcare services, and restricted access to mental health and substance abuse services.

Our community stakeholder coalition identified the top three priority issues affecting health in their respective communities:

Kingman, AZ	Bullhead City, AZ	Lake Havasu City, AZ
Economic Conditions (unemployment, poverty, etc.)	Accessible/Affordable Health Care	Accessible/Affordable Health Care
Youth Risk/Protective Factors	Substance Abuse	Youth Risk/Protective Factors
Substance Abuse	Mental Health	Mental Health

Once the top three issues for each community were identified, the stakeholders with resources to address the issue, plus any other willing participants, signed-up to participate on respective committees to formulate goals, strategies, and measures for addressing the issue. MCDPH and KRMC will lead these committees to formulate goals, objectives, strategies and measures for addressing the selected priority health issues from a community perspective.

MCDPH will continue to be an active participant in the community committees formed to address the priority health issues listed above. We are committed to collaborating with our community partners to provide appropriate resources and to assist however possible in meeting community-directed goals. In addition, we seek to identify and collaborate with key agencies within our county that are currently working on the priority areas.

Department Organization & Board of Health

DIRECTOR

Patty Mead

ADMINISTRATION

Jennifer McNally - Assistant Health Director

Account Specialist - 2

Office Specialist - 2

PUBLIC HEALTH NURSING

Christy Bronston - Manager

Nursing Supervisor – 2

Nurse Midwife – 1

Office Assistant – 4

Community Health Education Specialist - 4

Public Health Specialist – 4

Public Health Nurse, RN – 7.5

Program Coordinator, RN - 1

Paraprofessional Temp – 1

Clerical Temp - 2

NUTRITION & HEALTH PROMOTION

Deborah Conter - Manager

Community Nutrition Specialist Sr - 1

Community Health Education Spec Sr - 1

Community Health Education Spec I - 4

Community Health Education Spec II - 1

WIC Eligibility Worker - 7

Office Specialist - 1

Office Assistant Senior - 1

Office Assistant - 1

Temp WIC Breast Feeding Peer Counselor - 2

SECRETARY

Sue Frank

ENVIRONMENTAL HEALTH

Rachel Patterson - Manager

Environmental Health Supervisor – 2

Office Supervisor - 1

Environmental Health Specialist I/II – 8

Environmental Health Technician – .3

Permit Technicians – 3.5

SENIOR PROGRAMS

Rena Arnold - Senior Programs Coordinator

Site Coordinator – 2

Senior Programs Assistant – 2

Cook - 1

Prep Cook - 1

Labor/Trades Temp - 2

BIOTERRORISM & EMERGENCY RESPONSE

Bruce Leeming - Program Coordinator

Epidemiologist - 1

Volunteer Coordinator - 1

Professional Temp/Planner - 1

Board of Health

Frank LeBarge

Joy Brotherton

Dr Dat Nguyen

Teri Williams

Larry Carver

Dr. Richard Hendrix

Kathy Bruck

Donna Williamson

Maggie Wilcox

Margaret Nyberg

Financial Information

July 1, 2013 – June 30, 2014

Revenues

Federal Grants	\$2,152,563
AHCCCS & Insurance Revenue	156,126
Fees from Services	1,537,066
State Grants & Contracts	798,371
County General Funds	1,556,229
Miscellaneous & Donations	170,789

Total Revenues	\$6,371,144
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Expenditures

Personnel Services	\$4,424,759
Operating Supplies	432,750
Other Charges/Services	1,406,686
Capital Outlay	29,538

Total Expenditures	6,293,733
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Department Programs

Administration

Arizona Nutrition Network

Bioterrorism

Child Fatality Review

Commodities Supplemental Food Program

County Nursing

County Nutrition

Environmental Health

Environmental Health Clean Up

Environmental Health Technology Fee

Family Planning Title V

Family Planning Title X

Family Planning Title X HIV

Health Dept. Donations

Health Start

Healthy Arizona Policy Initiative

HIV Prevention

Immunizations

Newborn Intensive Care Program

Public Health in Action

Senior Programs - Kingman

Senior Programs - Lake Havasu

Senior Programs - Golden Shores

Senior Volunteer Recognition

Sexually Transmitted Disease

Smoke Free Arizona

TB Control

Teen Pregnancy Prevention

Tobacco

WIC - Breast Feeding Peer Counseling Program

Women Infants & Children (WIC)

Public Health Preparedness



Our program conducts planning and preparedness activities for public health threats and emergencies. We work with local health care organizations, emergency management, and public safety to build an integrated emergency response system to achieve response capabilities to protect residents and visitors of Mohave County and to better recover from disasters.

Training, Exercises, and Response

Conducting and participating in exercises is an important part of our ongoing preparedness activities. Exercises are an effective and cost-efficient way to validate our emergency plans, identify areas for improvement, and get feedback from the people who will be executing the plans.

The September 2013 Strategic National Stockpile (SNS)/Warehouse Exercise utilized Health Department staff and Medical Reserve Corps (MRC) volunteers to demonstrate various SNS capabilities from the request processes to distribution and dispensing activities. This exercise allowed us to test and make improvements to meet Medical Countermeasure Distribution and Dispensing Composite Measures established by the Centers for Disease Control and Prevention.

In November we participated in the 2013 Arizona Statewide Exercise which provided our department with a learning environment to exercise our emergency response plans, policies and procedures as they pertained to response during an extended power outage.

In conjunction with the Northern Arizona Consolidated Fire District, our June 2014 full scale exercise provided participants the opportunity to demonstrate capabilities related to a suspicious substance response. This exercise demonstrated the growing public safety partnership between Federal, State, and local jurisdictions regarding the challenges faced when responding to a suspicious substance incident.

Medical Reserve Corps

MRC volunteers participated in the September 2013 SNS/Warehouse Exercise and the 2013 Arizona Statewide Exercise. They received training in the operation of radiological monitoring equipment which included the basics of radiation. MRC assisted Public Health Nursing during back to school immunization clinics and provided clerical assistance throughout the year. During the FY 2013 – 2014, the Mohave County MRC volunteers donated over 1,000 hours of service to our communities.

Due to budget reductions in the Public Health Emergency Preparedness (PHEP) grant, the Volunteer Coordinator position was eliminated in June 2014. Carry over grant funds had been used to maintain the position through that date. The elimination of the position will result in our MRC program being scaled back.

Planning Activities

The emergency planner completed a radiological response plan/program to coincide with the State of Arizona's efforts in emergency response planning and exercises. This program included the acquisition of radiological monitoring equipment to enable monitoring a large number of potential victims from a radiological type incident. In April members of our Emergency Response Team received hands on training in the operation of radiological monitoring equipment which included the basics of radiation.

MCDPH is part of the Western Region Healthcare Coalition (WRHC) and our emergency planner is currently the Chairman. The WRHC mission is to facilitate collaboration among public health, healthcare, pre-hospital entities, and various community partners to prepare for, respond to, and recover from an emergency or disaster.

Child Fatality Review

Reviews of child deaths are completed by local child fatality teams located throughout Arizona. Our Epidemiologist is the coordinator for the Mohave/LaPaz Child Fatality Review Team. When a child younger than 18 years of age dies, a copy of the death certificate is sent to the CFRT. The coordinator requests relevant documents that may include an autopsy report, hospital records, Child Protective Services records, law enforcement reports, and any other information that may provide insight into the death. If the child was younger than one year of age at the time of death, the birth certificate is also reviewed.

The goal of the Child Fatality Review is to reduce preventable child fatalities through systematic, multidisciplinary, multi-agency, and multi-modality reviews of child fatalities in Arizona. This is accomplished through interdisciplinary training and community-based prevention education and through data-driven recommendations for legislation and public policy. Recommendations incorporate the Spectrum of Prevention:

Spectrum of Prevention

Influencing Policy & Legislation
Changing Organizational Practices
Fostering coalitions & Networks
Educating Providers
Promoting Community Education
Strengthening Individual Knowledge and Skills

Created by Larry Cohen, Contra Costa Health Services Prevention Program.

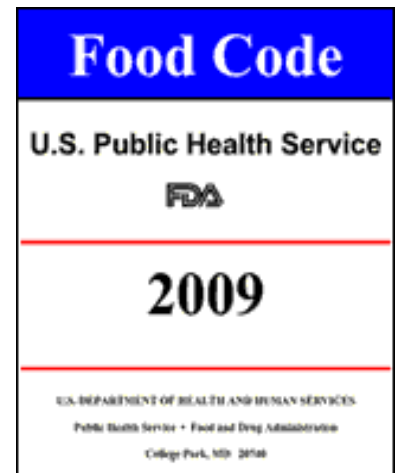
A state team provides oversight to local teams and utilizes local team reports to produce an annual report summarizing review findings, and to make recommendations regarding the prevention of child deaths. These recommendations have been used to educate communities, initiate legislative action, and develop prevention programs. The Child Fatality Review Annual Reports are compiled by the Arizona Department of Health Services and can be found on their website at www.azdhs.gov

Environmental Health

Environmental Health (EH) is responsible for inspection of public places, enforcement of various environmental laws, response to public nuisances, and response to emergencies as part of the department Emergency Response Team. The division receives authority through delegation agreements with the Arizona Department of Environmental Quality (ADEQ), the Arizona Department of Health Services (ADHS), and local Mohave County Ordinances and operates in accordance with division policies and procedures. Specific areas of responsibility include; food safety & education, public & semi-public swimming pools, RV parks, hotels/motels, pet shops, grooming parlors and kennels, septic pumper trucks, refuse haulers, public nuisance complaints, wells, Smokefree Arizona, campgrounds/children's camps, and school buildings. The wastewater program was transferred from Environmental Health to the Development Services Department in March 2014.

Updated Food Code

In October 2013, the Environmental Health Division (EHD) began working on updating the existing food code that had been in place since 2000. Over the next five months, meetings were held with key stakeholders as well as town hall meetings for anyone that would be affected by the change. A good response was received from the food service community. In addition, the Board of Health voted unanimously to support the change. In May 2014, the new food code was brought before the Board of Supervisors at a public hearing and was approved unanimously. The Mohave County Food Code is based on the 2009 FDA Model Food Code and went into effect July 1, 2014.



Food Manager Class

Since 1998 EH has offered food handler training and trains over 4,000 food handlers per year. In 2006 the local ordinance was updated to include a requirement for each food establishment to have at least one Certified Food Protection Manager (CFPM) on staff. Training for a CFPM was only available via third party vendors. In the interest and for the convenience of our clients, EH began to offer CFPM classes locally. Individuals can still obtain the training from another vendor, but they now have the option of attending training at the Department.

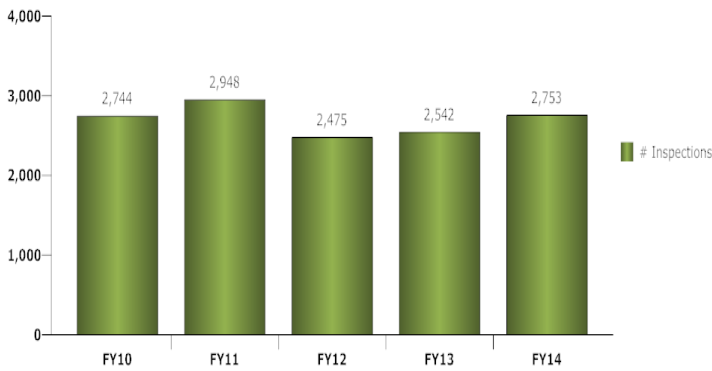


New Food Safety Newsletter

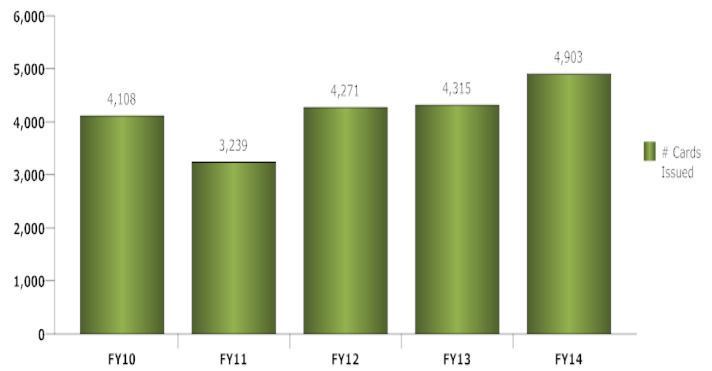
EH developed and distributed the first food safety newsletter this year. The newsletter is designed to highlight new legislation, clarify existing rules and provide information regarding best practices for food handling. The first newsletter focused on the Americans with Disabilities Act and animals in food establishments, employee hygiene, and getting the most out of the regulatory inspections. It also included a short quiz at the end for the employers to use with their employees. Our goal is to provide the food service community with information that is helpful and timely and we look forward to continuation of this service.



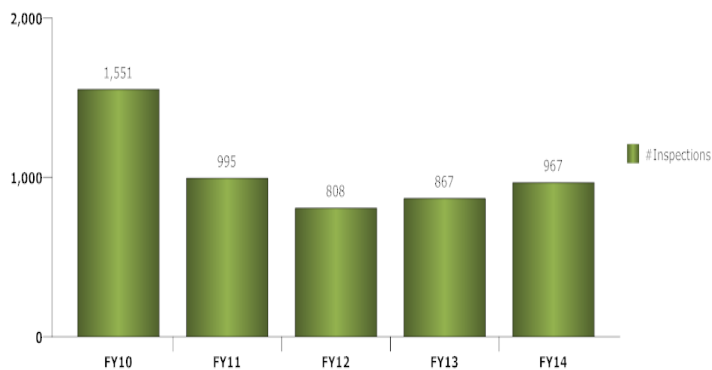
Food Service Inspections



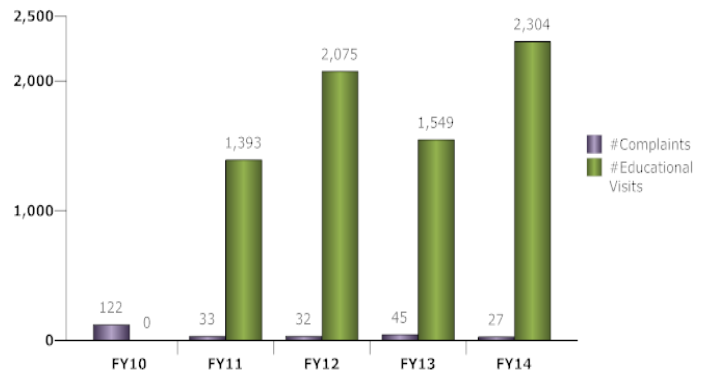
Food Handler Cards



Nuisance Complaint Inspections



Smoke-Free AZ Complaints/Visits



Fiscal Year 2014 Statistics

In fiscal year 2014, the Division conducted 4,580 inspections in the various programs. This year the overall number of inspections throughout all the programs increased by a small percentage. Numbers in the wastewater and well programs will only reflect July 2013 through February 2014 as the program was transferred out of Environmental Health into Development Services on March 1, 2014.

Other Highlights

The number of nuisance complaints increased slightly this year, but the court hearings dropped off. As part of this program, seven abatements were conducted by EH at a cost of just under \$11,000. Approximately \$32,900 in lien payoffs and settlements was collected by EH. Smoke-free Arizona complaints dropped with only 27 received. Over 2,300 educational visits were made to area establishments to hand out signs, answer questions about the Act and provide information. Notice in the graph above that the trend in number of complaints received drops when more educational visits are conducted. Food handler card issuance went up this year by 588 cards, a 13.6% increase over last fiscal year.

Health Impact Assessment

Health Impact Assessments (HIA) are increasing in popularity across the country. An HIA is a way to assess how policy, future plans, or projects will impact the health of the surrounding community. When EH discovered there were plans to expand Rotary Park in Bullhead City, it was the perfect opportunity to conduct an HIA. With a grant from the Arizona Department of Health Services, the work was completed and recommendations made for the park which will serve to aid decision-makers and promote health in all policies. The report was finalized in September 2014.



Environmental Health Statistics		
Food Service	FY 12/13	FY 13/14
Temporary Permits	409	473
Annual Permits	1356	1298
Annual Inspections	2542	2753
Food Handler Cards	4315	4903
On-Site Wastewater		
* Permits Issued	278	185
* Inspections	271	314
Pools/Spas		
Permits	265	265
Inspections	424	518
Kennels/Grooming		
Permits	62	60
Inspections	40	49
Hotel & Motel		
Permits	87	82
Inspections	102	120
Trailer Parks		
Permits	102	103
Inspections	110	108
Campgrounds/Children's Camps		
Permits	3	3
Inspections	3	2
School Buildings		
Permits	54	57
Inspections	59	70
Nuisance Complaints		
Number Received – land use	481	541
Inspections – land use	867	967
Number Received – annually permitted establishments	339	321
Court hearings	22	16
Septic Haulers		
Permits	42	39
Inspections	17	32
Refuse Haulers		
Permits	95	106
Inspections	37	91
Wells (recommendation of approvals given to ADWR)		
* Notice of Intent approvals	33	26
Smokefree Arizona (May—May reporting period)		
Complaints	45	27
Inspections	50	30
Educational Visits	1549	2304

* Reflects activity July 1, 2013 – March 1, 2014 only. Program transferred to Development Services 03/01/2014



Nutrition & Health Promotion

Special Supplemental Food Program for Women, Infants, and Children (WIC) & Breast Feeding Programs

WIC celebrates its 40th Anniversary this year. For the past 40 years, the WIC program has had a positive impact on the health of low income pregnant, postpartum and breastfeeding women as well as infants and children up to the age of 5. It is estimated that one half of all infants and one fourth of all children are participating in WIC. This is good news in the sense that participation in WIC has been shown to have a positive impact on health outcomes and therefore, a reduction of health care costs.



WIC currently provides vouchers that are redeemed at local grocery stores for specified healthy foods including; low fat milk, whole grain bread, fresh fruits, and vegetables. In December of 2014, Mohave County WIC will roll out a new software system that will make the enrollment process more efficient. This improvement will free up time to provide better individual nutrition education to the participants. Within the next two years, Arizona WIC will move to an EBT system which will be more convenient for participants and vendors who accept WIC.

In 2014, Mohave County WIC served approximately 3,500 clients per month in the three sites of Kingman, Lake Havasu and Bullhead City. Caseload has dropped in recent years throughout the state of Arizona. Nevertheless, WIC continues to add to the local economy. Approximately \$3,000,000 worth of WIC vouchers were redeemed in local stores in Mohave County.

Nationally, WIC is tasked with the job of stemming the tide of childhood obesity. According to the Centers for Disease Control and Prevention (CDC), obesity now affects 17% of all children and adolescents in the United States - triple the rate from just one generation ago. Consequences of childhood obesity cited by the CDC are:

- obese children are more likely to have high blood pressure and high cholesterol, which are risk factors for cardiovascular disease.
- increased risk of impaired glucose tolerance, insulin resistance and type 2 diabetes.
- breathing problems, such as sleep apnea, and asthma.
- joint problems and musculoskeletal discomfort.
- fatty liver disease, gallstones, and gastro-esophageal reflux (i.e., heartburn).



Using research based strategies, such as teaching parents infant hunger cues, portion sizes for toddlers and encouraging physical activity, we have made modest improvements. Dropping from an all time national high of 27.6% of overweight and obese 2 to 5 years olds in 2008, the current rate is down to approximately 25.9%. The Mohave County rate is currently lower than the state of Arizona rate of 30%.

Breastfeeding for any length of time has been shown to have a positive effect on the health of both mother and infant. In order to offer the support new mothers often need to breastfeed, Mohave County WIC offers all pregnant participants an opportunity to attend a class prior to delivery taught by a certified lactation consultant. After delivery, peer counselors are available to answer questions and offer support during the first few weeks. Peer counselors are chosen from past or present participants who have successfully breastfed a child. In addition to their own experience, they receive additional training.

Nutrition & Physical Activity Education

The Arizona Nutrition Network

The Arizona Nutrition Network is funded by the USDA to provide nutrition education to the SNAP (Food Stamps) eligible population. The mission of the AzNN program is to shape food consumption in a positive way, promote health, and reduce disease among all people living in Arizona



In Mohave County, education is directed primarily to children from Kindergarten to 8th grade. Nutrition educators go to classrooms and provide grade appropriate education that encourages consumption of low fat dairy, whole grain products, fruits and vegetables. Food demonstrations are also given at the local DES and WIC offices. The nutrition educators are now expanding their reach to include child care centers and low income housing for families and seniors. In addition to nutrition, physical activity will be promoted as part of a healthy lifestyle. Over the next few years, the focus of the program will move toward working with local government, schools, community organizations and businesses to change policies that impact the health of citizens.

Commodity Supplemental Food Program (CSFP)

In February, Congress passed the Agricultural Act of 2014 P.L. 113-79 (also known as the "Farm Bill") which changed CSFP to serve only low-income seniors, age 60 and over. CSFP continues to provide 350 boxes of nonperishable food to income eligible seniors. The foods are selected to improve the health people who are at least 60 years of age by providing supplemental healthy items that are high in protein, calcium, iron, and vitamins A and C. The benefits of this program include nutrition education, reduction of malnutrition, prevention of chronic diseases, and referrals to other nutrition and health care programs.

Mohave County Department of Public Health works with local food banks in Kingman, Lake Havasu, and Bullhead City for the distribution of the boxes. Department staff determine eligibility and provide nutrition education for the recipients.



Mohave County Tobacco Use and Chronic Disease Prevention Program

Healthy Arizona Policy Initiative

This grant focuses on improvements in public health through policy changes in our community. This is accomplished by working with community-based organizations and local decision makers to help them understand how they can improve the health of their communities by focusing on policy, systems and environmental change in the areas of schools, worksites, clinical care, and community design.

The Special Needs Advocacy Coalition (SNAC) was organized through the efforts of this program and has been very successful. Other counties are looking to Mohave County as a model for creating their own groups. The mission of SNAC is to improve the health and quality of life for our special needs children, young adults and families. SNAC completed a Community Assessment for Children and Youth with Special Health Care Needs. The assessment findings will be used as awareness and educational tools to inform all county residents about the needs and barriers that children with special needs encounter every day. More information about SNAC can be found on their webpage at: www.snacmc.org The coalition has also developed a resource guide for services, a parent support network and a surveillance data system.

Chronic Disease Self Management Program

This grant allows us to help county residents suffering from chronic conditions, or caring for family members with chronic disease, by offering the Stanford University's Chronic Disease Self-Management Program. According to the National Council on Aging, nearly 92% of older adults have at least one chronic condition, and 77% have at least two. This is a community based program that offers six sessions to teach how to self-manage conditions through diet, physical activity, attitude and adhering to medication schedules. Self-management programs have been shown to decrease medical costs and provide the patient with a better quality of life.

Coordinate School Health Program

This grant program supports and offers technical assistance to local schools to help them identify their social and health challenges. It consists of eight interactive components that encourage participation from both community and school members. It systematically promotes a group effort to maintain the well-being of the school and community. Services are currently offered in Bullhead City, Lake Havasu City and Kingman.

Tobacco Education and Cessation

Businesses, healthcare providers, schools, and community members are educated on the hazards of tobacco use and exposure throughout the county. On-going Stop Smoking classes are offered at Kingman Regional Medical Center through funding they provide to our program. Arizona Smokers' hotline, telephone coaching and online quit services are offered to all Mohave County residents along with healthcare provider Ashline service trainings.

Mohave County Youth Anti Tobacco Coalitions

- ◆ Kingman Youth Coalition Beating Up Teen Tobacco (KYCBUTT) at Kingman High School and Kingman Academy of Learning
- ◆ Lake Havasu High School Youth Health Club
- ◆ Bullhead City's Fox Creek Junior High School and Bullhead Junior High School

The goal is to reduce the early onset of youth tobacco use and exposure to second hand smoke. The youth coalitions participate in executive officer elections and are recognized as an official school club. The Mohave County Tobacco Use and Chronic Disease Prevention Program co-sponsors the clubs with a school club teacher. The students provide peer led education to elementary and middle school students on the dangers of tobacco use and secondhand smoke. In the community, both staff and students participate in and provide education through community events and activities such as parades, health fairs and other major events.

Other activities of the youth coalitions include: participation in the Arizona Attorney General's Office merchant compliance checks and education; adopt-a-block to maintain and keep their cities trash free; educating the public and city officials on the concerns of tobacco use and exposure in the city ball fields and parks; and participating in an annual statewide leadership conference. Four to six youth participate in the STAND (Students Taking a New Direction) train-the-trainer program; they train other youth throughout the state on coalition development and community education. Mohave County Youth Coalitions continue to be model programs.

KYCBUTT is supporting the Kingman City Council with their Smoke Free Parks and Ball Field Pilot Program. Parks and ball fields are now smoke-free with designated smoking areas. They also have cigarette trash receptacles in all of the parks and ball fields

Kingman High and Kingman Academy of Learning students were honored for their anti-tobacco educational actions. The Arizona Department of Health Services Bureau of Tobacco and Chronic Disease presented its "Outstanding Youth Advocacy Group" award to KYCBUTT this year.

Public Health Nursing

The division provides professional nursing services and programs for high risk populations and is responsible for communicable disease control activities throughout the county. Many services are mandated in order to protect the health and safety of Mohave County residents and are free, regardless of household income. Other services are provided on a sliding fee scale basis and others are available at a low, fixed cost. Funding for Public Health programs comes from state and federal grants, fees, donations, and local and state revenues.

Communicable Disease

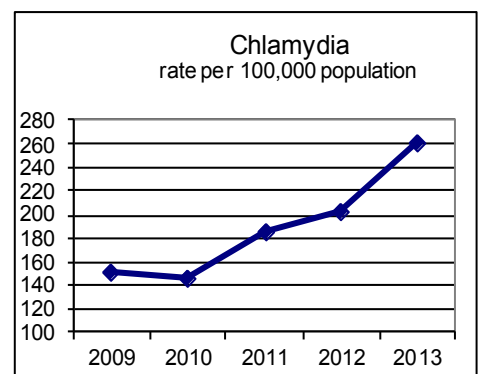
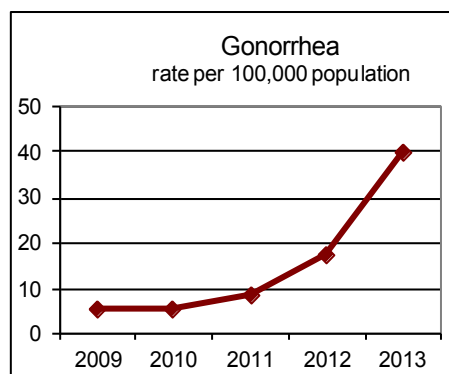
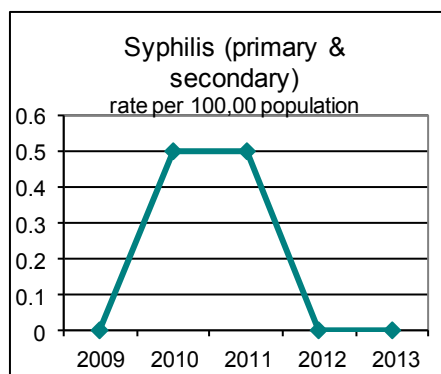
Registered Nurses and our Epidemiologist coordinate with local physicians, the Arizona Department of Health Services, and the Centers for Disease Control & Prevention to limit exposure and control the spread of infectious diseases. This includes identifying those who are infectious and their contacts, conducting laboratory testing, and providing immunization, medications and other disease control interventions when necessary. The public health nursing division also provides information to the public on health issues that may pose a public health risk. During FY 13-14 year, communicable disease staff investigated 2,701 communicable disease reports, excluding Tuberculosis.

HIV Testing and Counseling

Funding for this program has been reduced 64.4% over the last decade; in 2003 we received \$55,649 and today we receive \$19,805 annually. Due to the current amount of funding, our program provides a “safety net” of service that allows those who have been exposed or concerned about exposure to be tested for a nominal fee that is based on a sliding fee scale. HIV testing and counseling is provided utilizing the “same day” testing process. This process allows the client to obtain results of screening tests before leaving the office. During FY 2013-14, 68 screening tests and post-test counseling sessions were provided to Mohave County residents.

Sexually Transmitted Disease Program

Medical providers throughout Mohave County report cases of Gonorrhea, Chlamydia and Syphilis as required by Arizona Revised Statutes. Public Health Nurses contact clients to ensure completion of appropriate treatment and to refer contacts to local providers for testing, treatment and follow up. Mohave County continues to experience a moderate level of sexually transmitted disease activity in comparison to other Arizona counties. In 2013, Mohave County reported 0 Syphilis primary & secondary cases, 80 Gonorrhea cases, and 529 Chlamydia cases.



Tuberculosis (TB) Control and Treatment

TB disease is caused by a bacterium called *Mycobacterium tuberculosis* that usually attack the lungs, but it can attack any part of the body such as the kidney, spine, and brain. If not treated properly, TB disease can be fatal. To combat this disease, we work with the Mohave County TB Control Officer to provide one-on-one case management on every active TB case.

Case management includes Direct Observed Therapy (DOT) whereby nursing personnel watch the TB patient actually take their medication. It is extremely important that people with TB disease take their medicine exactly as prescribed and that they finish the medicine. If they stop taking it too soon, they can become sick again and if they do not take it correctly, the germs that are still alive may become resistant to those drugs. TB that is resistant to drugs is harder and more expensive to treat.

Public health nurses also respond to suspect cases of TB that result in considerable staff time to rule out active disease. Suspect cases are investigated and often receive medications for several months until the disease can be ruled out. During the fiscal year, MCDPH had one active case of TB; however, there were 14 suspect cases during the fiscal year that were ultimately ruled out.

TB skin testing is provided for screening purposes and is offered for a fee. Individuals with a positive skin test receive counseling, a chest x-ray, and free medication if necessary. During the year, there has been a national shortage of Tubersol solution used for TB skin testing. This has been a challenge for healthcare providers throughout the nation as very limited doses were available for the highest risk contact and cases only.

Maternal and Child Health

Reproductive Health (RH)



Reproductive health services are offered to both males and females in Bullhead City, Lake Havasu City, and Kingman. The program is funded by Title V with funds from the Arizona Department of Health Services, Title X funds through the Arizona Family Planning Council, and in-kind support from Mohave County.

In 2013, we provided service to 1,335 unduplicated clients with 86.7% of clients reporting income below 100% of Federal Poverty Level. Although most of the clients served were between the ages 18-44, 12.7 % of clientele were age 15-17 and 3.7% were 45 years of age and older. During the 2013 year, the program provided 234 syphilis, 572 gonorrhea, 986 Chlamydia tests as well as 108 HIV screening tests throughout Mohave County.

Newborn Intensive Care Program

This home visitation program allows professional staff to visit high risk infants who have been in a newborn intensive care unit (NICU) unit for 72 hours or more following birth. It facilitates the transition of the child and family from the NICU to their home and community. Periodic monitoring of the child's medical and developmental needs identifies infants who would benefit from referral to other early intervention programs. Through these home visits, the family receives support and education as well as referral to appropriate community resources. During the fiscal year, 264 home visits were made to infants in the program.

There has been an increase in the number of program referrals with the majority of the clients residing in the Kingman area. In addition, the NICP program requirements have mandated comprehensive training for Public Health Nurses who conduct home visits. This training has impacted the staff time and number of visits conducted as a result.

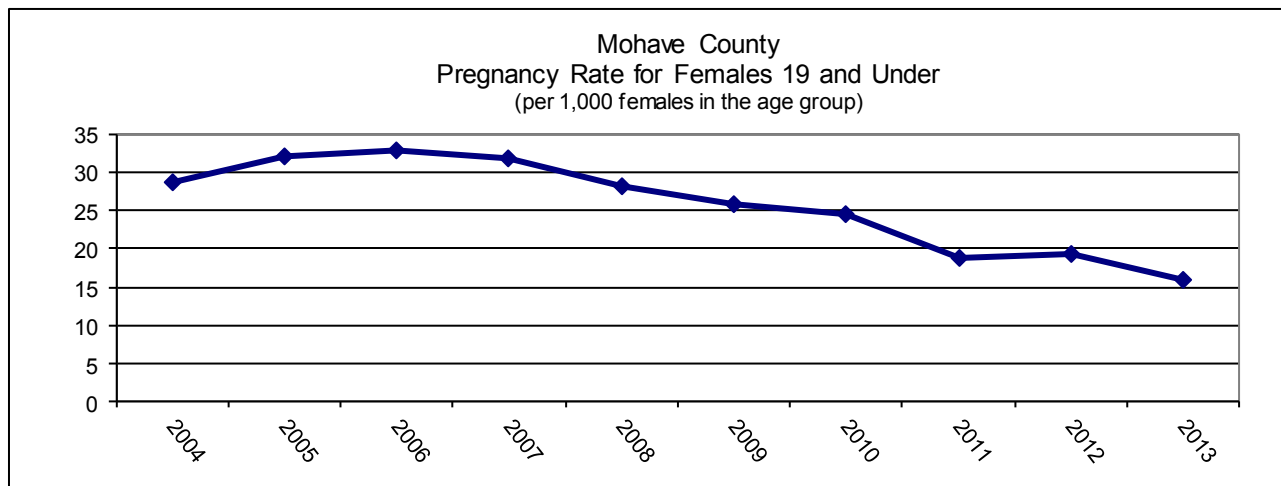
Teen Pregnancy Prevention Program

Giving birth and raising a child during the teen years can carry high health, emotional, social, and financial costs for teen mothers and their children. Babies born from a repeat teen birth are often born too soon or too small which can lead to more health problems for the baby.



The Teen Pregnancy Prevention Program provides instruction for teens in local schools and the juvenile detention center and presents parent workshops at the Ft. Mojave Indian Social Service facility to provide them with the tools necessary to talk with their adolescent or teen about sex and reproductive health issues. Advisory boards comprised of community members and leaders meet on a quarterly basis and provide input on the need for services, feedback on effective strategies and resources, and advocate for the program within their communities. The program provided education to 1,726 students during the year.

In Mohave County, the teen pregnancy rate continues to show a significant decline of 52.12% over the past ten years (from a rate of 33 to 15.8).



Immunization Program

Free immunizations are provided to children and adolescents during weekly immunization clinics in Bullhead City, Lake Havasu City, Kingman, and Colorado City. Immunizations include all vaccines recommended by the Advisory Committee on Immunization Practices and the American Academy of Pediatrics. The vaccine is provided through the federally funded Vaccines for Children (VFC) program. During the fiscal year, we provided 10,148 vaccines to 3,709 children throughout Mohave County.

Our clinics have experienced a decline in the number of students requesting immunizations during back-to-school time. This, as well as an outbreak of vaccine preventable disease in one of our communities, led us to undertake a school immunization record assessment of all children enrolled in public and public funded schools throughout Mohave County. The assessment results were shared, follow up educational sessions with school health personnel were held, and tools were provided that can increase the vaccination rate at their schools. Each school has been able to identify students requiring additional vaccinations. The MCDPH Immunization Team received the “Hot Shot” award at the state immunization conference for this project.

Maternal Infant Early Childhood Visitation

This program funds a home visitation program coordinator for Mohave and LaPaz counties. The coordinator is responsible for development, implementation, and continued support of the Home Visitors Coalition. The coalition works to ensure families are receiving appropriate, comprehensive services that are not being duplicated by another program.

Health Start Program

This is a neighborhood outreach program that works with women who are pregnant, or think they may be pregnant, and their families to help them improve their health. Health Start is designed to optimize prenatal health, improve birth outcomes, enhance positive family interaction, and enhance child health, safety and development. Services are provided utilizing a Community Health Worker who provides access to information, resources, and social support for pregnant families and families with infants through 24 months of age.

Developmental screening is provided and clients referred as necessary. Birth defects, infant mortality, and low birth weight babies can be reduced by encouraging pregnant women to eat healthier, seek medical attention earlier in their pregnancy and stop smoking.

	FY 09/10	FY 10/11	FY 11/12	FY 12/13	FY 13/14
Newborn Intensive Care Program					
Home visits	24	88	130	319	264
Communicable Disease					
Disease investigations	1485	1241	1540	2720	2701
Childhood Immunization Program					
Children vaccinated	4929	4159	3735	3959	3709
Vaccinations given	13,822	13,921	12,951	11,126	10148
Adult Immunizations Program					
Td/Tdap	92	61	150	40	20
Hepatitis B	292	206	201	241	164
Hepatitis A	72	30	32	15	18
Twinrix			140	71	86
Adacel			59	59	37
Varicella	24	69	56	37	39
MMR	85	118	84	69	42
HPV	21	3	2	2	0
Zostovax	63	26	3	3	0
Meningococcal	8	2	3	4	0
Influenza / H1N1	13,232	606	130	206	39
Pneumonia	15	26	8	0	1
Tuberculosis Control					
TB skin tests	812	696	851	510	562
Latent TB infection	240	331	129	247	108
Active case visits	303	120	199	281	159
Active case	3	4	2	5	1
Chest x-ray/clinics	70	69	55	80	37
Primary Reactor Visit	37	45	30	45	27
Reproductive Health					
Pregnancy Tests	756	680	623	763	548
New/Annual visits		1155	1263	1260	1180
* RH/HIV Tests			779	646	
Unduplicated clients	1376	1351	1419	1474	1335
Sexually Transmitted Disease					
Clinic Visits	138	86	85	55	34
HIV Counseling and Testing					
HIV tests	84	126	120	85	68
HIV post counsel	84	126	120	85	68
Health Start					
Visits	358	315	302	598	515
Teen Pregnancy					
Unduplicated Students	1962	2000	1792	1612	1726

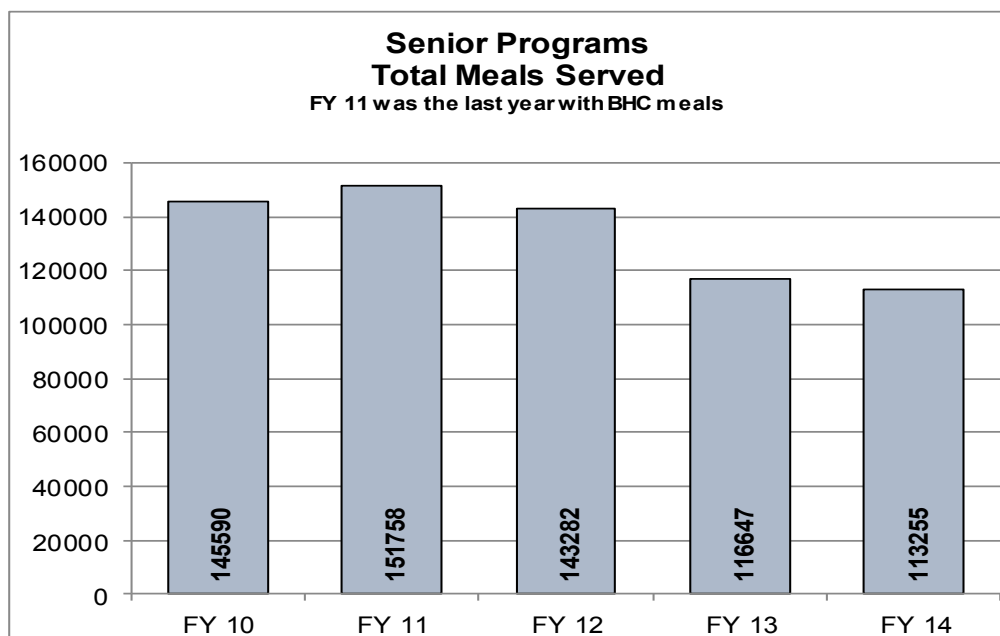
Senior Programs



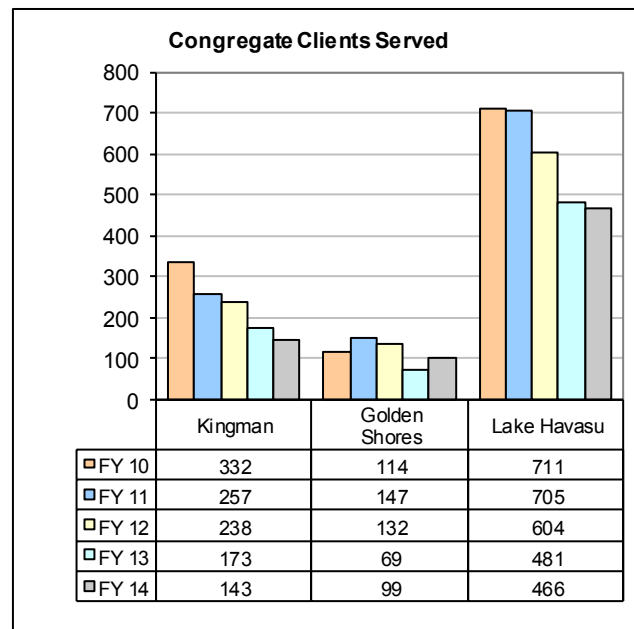
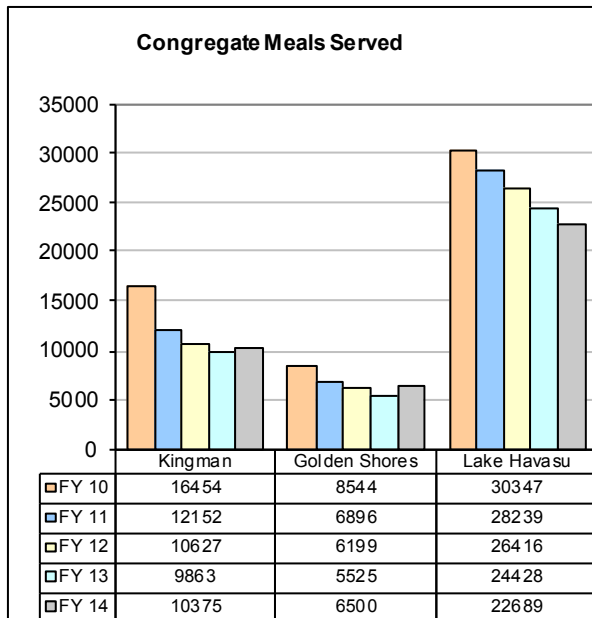
Senior Programs provides congregate meals at senior center sites and home delivered meals via the “meals on wheels” program. The centers also provide support services, socialization, and education with activities that include: bridge, tax aide, legal aide, yoga, crafts, Bingo, and exercise classes. Three senior centers are operated by Mohave County with sites in Golden Shores, Kingman and Lake Havasu City.

Each Senior Center has a site council with a non-profit association established. They conduct numerous activities throughout the year raising money to help support the operations at the senior centers. Revenues are used to help pay for program expenses such as utilities, food, office supplies, equipment, and repairs and are considered in-kind donations. The total amount of in-kind received in FY 2014:

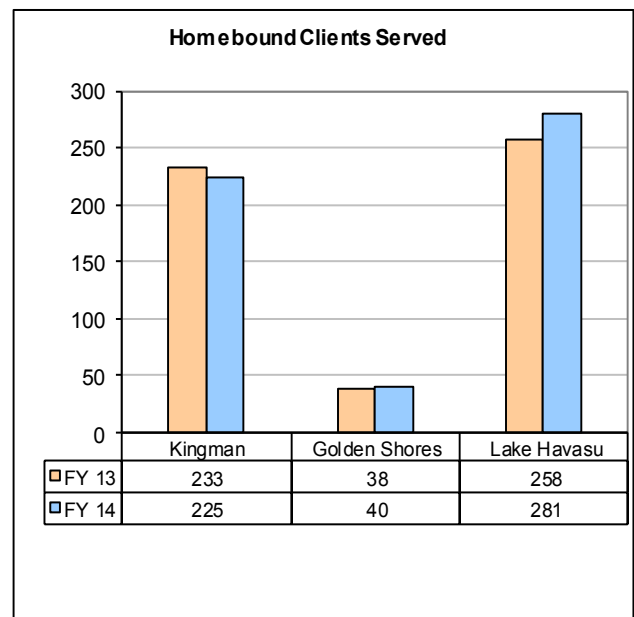
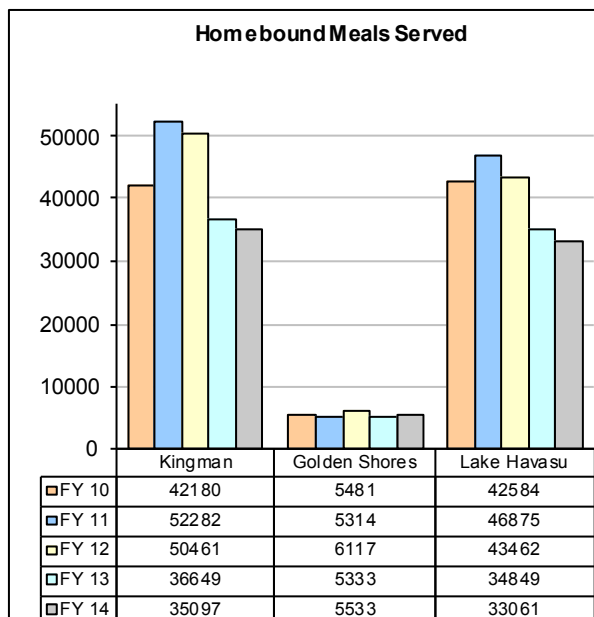
1st quarter	\$32,646.18
2nd quarter	\$38,430.78
3rd quarter	\$39,223.32
4th quarter	\$35,751.71
Total	\$146,051.99



While the Kingman and Golden Shores Centers experienced a slight increase in the number of congregate meals served this fiscal year, the trend has been a reduction in the number of meals at each center over the past five years. 36.95% in Kingman, 23.92% in Golden Shores, and 25.23% in Lake Havasu.



The five year trend in Kingman and Lake Havasu is a reduction in the number of homebound meals provided: 16.79% and 22.63% respectively. The trend in Golden Shores is a fairly consistent number of homebound meals served (.95% increase).



There was an error in the report of homebound clients served in prior fiscal years; data is only available for FY 13 & FY 14 comparisons.

Socioeconomic* and Health Indicators

Mohave County Population

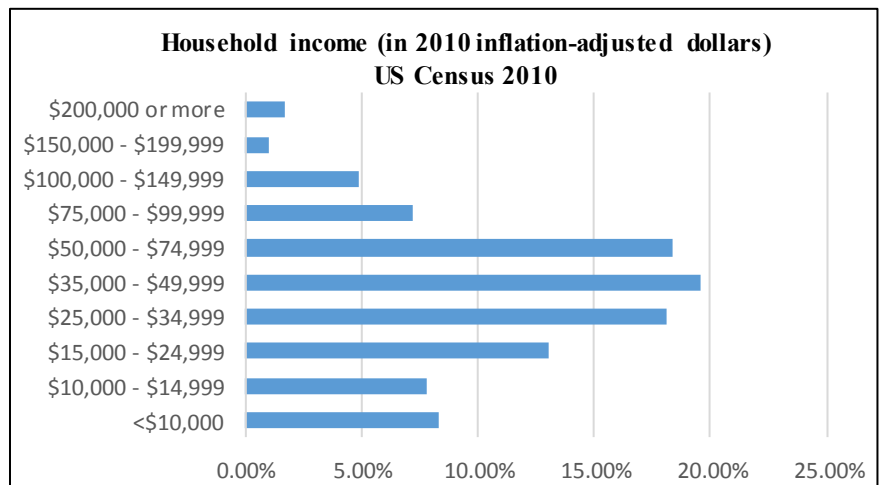
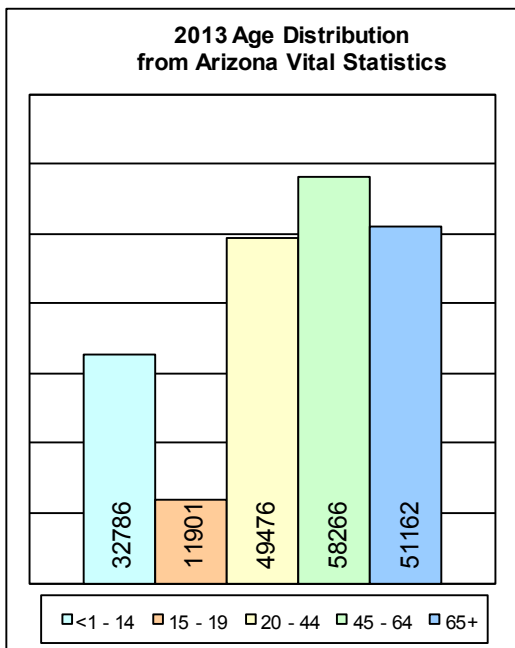
from Office of Employment & Population Statistics, AzDOA

Bullhead City	39,495
Colorado City	4,813
Kingman	28,476
Lake Havasu City	52,908
Unincorporated	77,900
Total	203,592

Of the total county population, 194,693 individuals reported they were of one race and 5,493 reported they were of two or more races. Those who reported one race were:

- White 173,878
- Black or African American 1,882
- American Indian & Alaskan Native 4,500
- Asian 2,103
- Native Hawaiian & other Pacific Islander 341
- Some Other Race 11,989

29,569 individuals reported they were Hispanic or Latino. Of these, 24,760 were Mexican, 721 Puerto Rican, 272 Cuban and 3,816 Other.

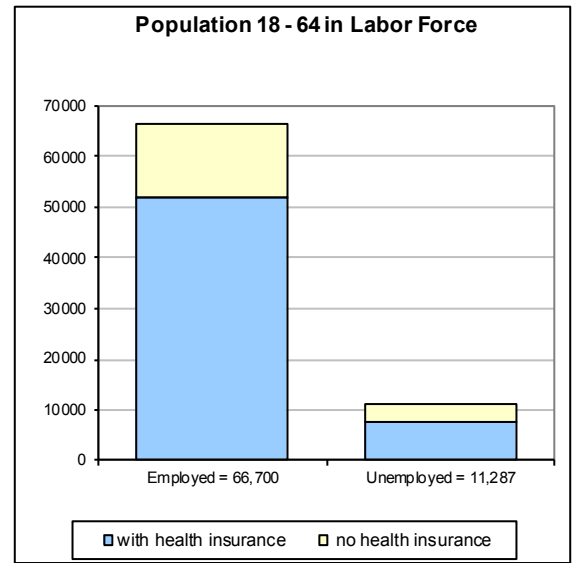


* Socioeconomic statistics are from the 2010 US Census unless otherwise noted.

Health Insurance

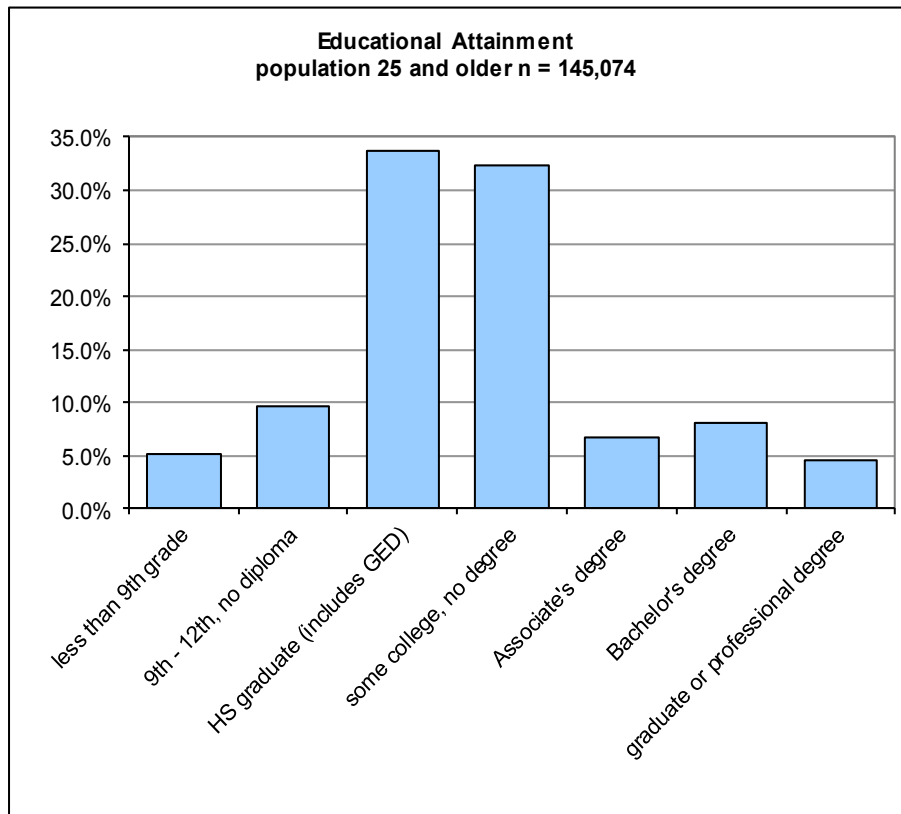
Census data presents a “civilian noninstitutionalized population” of 198,223 in the county. 83.4 % of these individuals had health insurance coverage and 16.6% did not.

There are 77,987 county individuals ages 18 - 64 in the labor force. The chart on the right represents the employed and unemployed individuals in the labor force with and without insurance coverage:



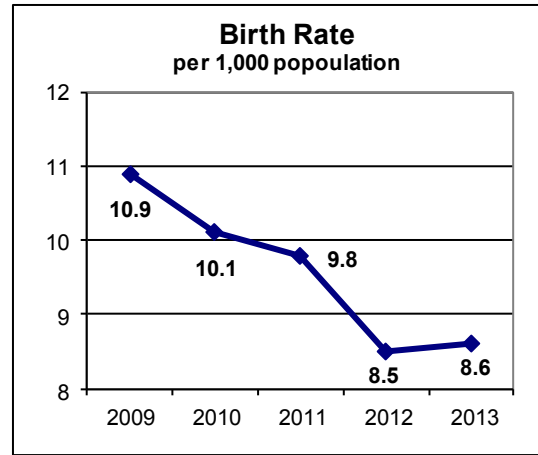
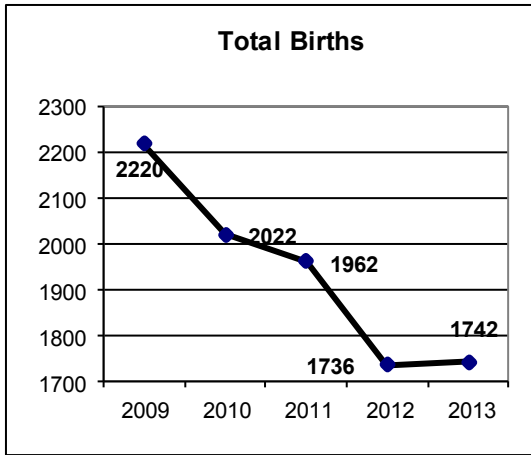
Education

The population of the county age 25 and older is 145,074 and the educational attainment of these individuals is depicted in the chart below.

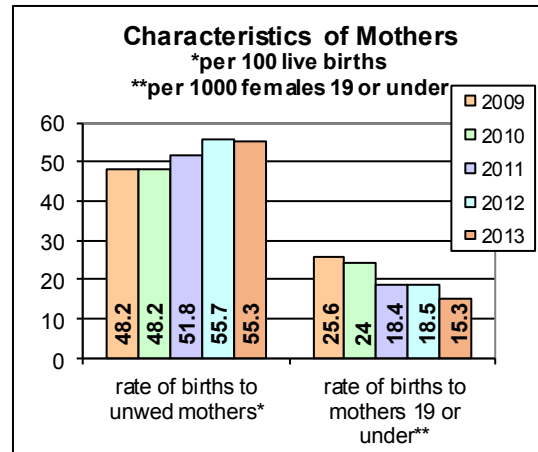
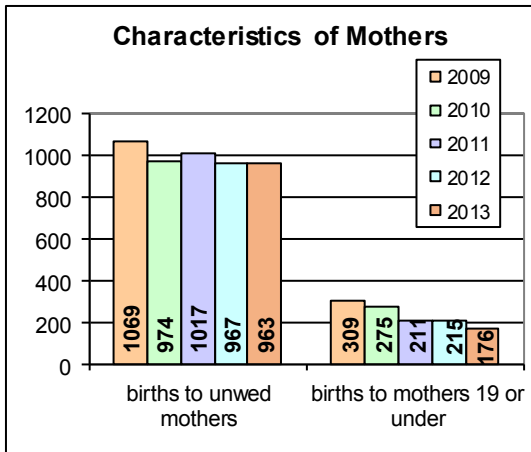


Health Indicators

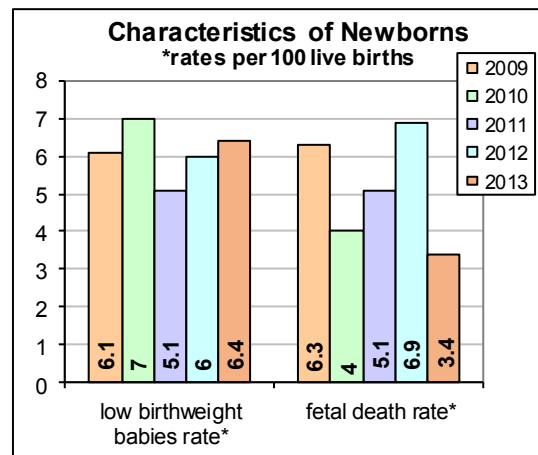
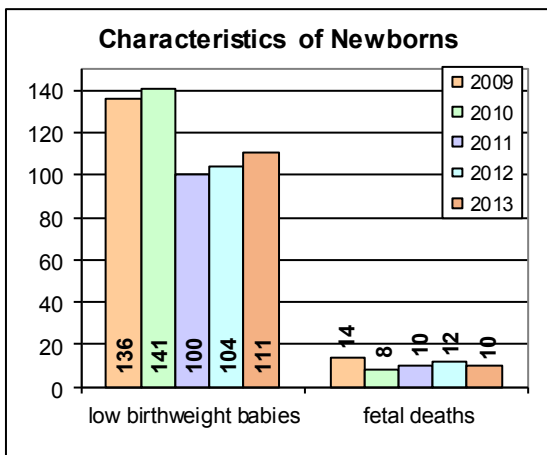
The total number of births and the birth rate in Mohave County has declined over the past five years. The number of births has declined 21.5% and the birth rate has declined 21.1%.



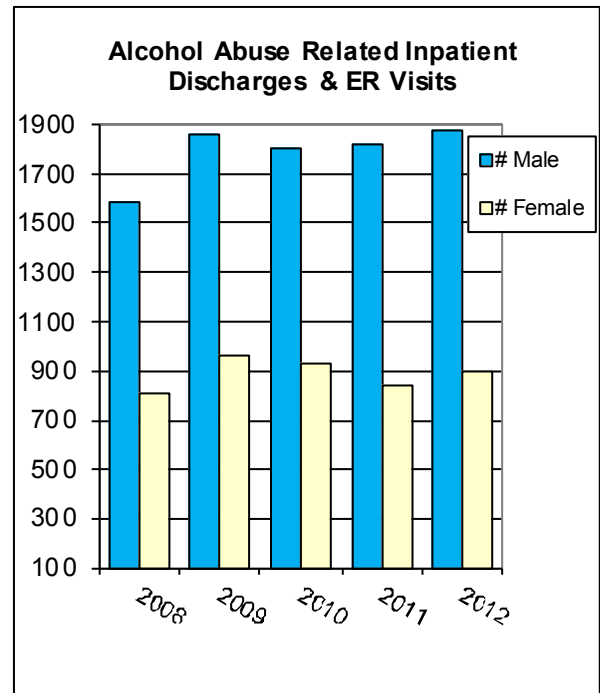
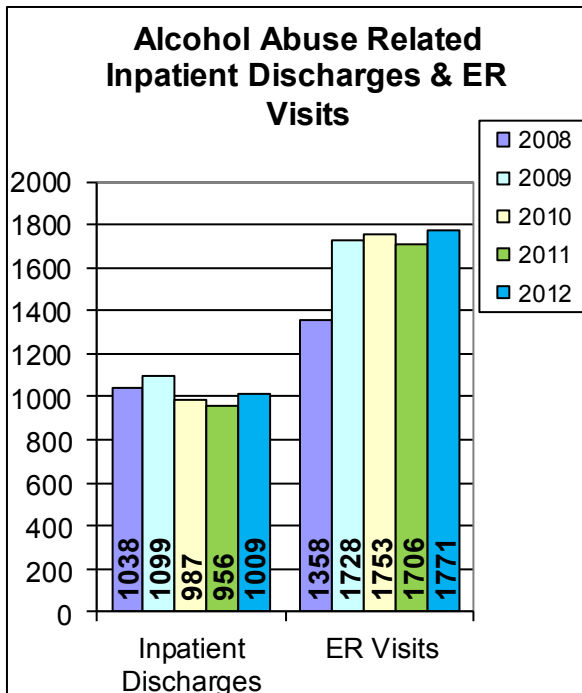
While the *number* of births to unwed mothers had declined over the past five years by 9.9%, the *rate* of births to unwed mothers has increased by 14.7%. The number of teen births, as well as the rate of teen births, has decreased significantly over the past five years; 43% and 40.2% respectively.



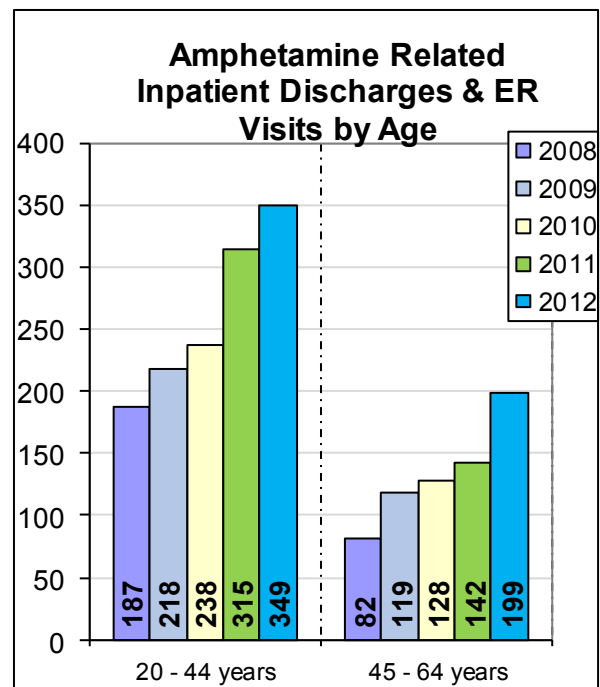
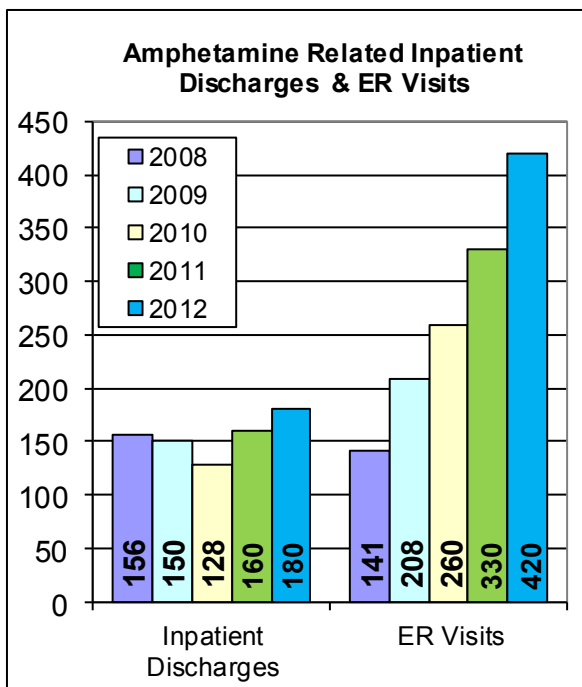
The number of low birthweight babies has decreased over the past five years (18.4%), while the rate has remained relatively constant. While the number of fetal deaths has not fluctuated by more than 6 over the past five years; the rate was trending upward (a 72.5% increase from 2010 to 2012). 2013 saw the lowest number in the rate of fetal deaths in the past five years (a 50.7% reduction from 2012 to 2013).



The combined total of alcohol abuse related inpatient discharges and ER visits in the county has steadily increased over the past five years by 16.02%. While the number of inpatient discharges has remained fairly consistent (5.8% variance from 2008 to 2012); the number of ER visits has increased 30.41% over the same time period. The number of alcohol abuse related visits among males and females has remained consistent with two-thirds of the visits male and one-third female.



The combined total of amphetamine related inpatient discharges and ER visits in the county has increased significantly over the past five years by 102%. Inpatient discharge numbers have increased by 15.38% over the past five years. ER visit numbers began to rise in 2009 compared to previous years and they have continued to increase significantly. Over the past five years, ER visit numbers have increased 198%. The greatest number of combined inpatient discharges and ER visits were in the 20 - 44 and 45 - 64 year old age groups; with 58.16% and 33.16% of the total respectively.

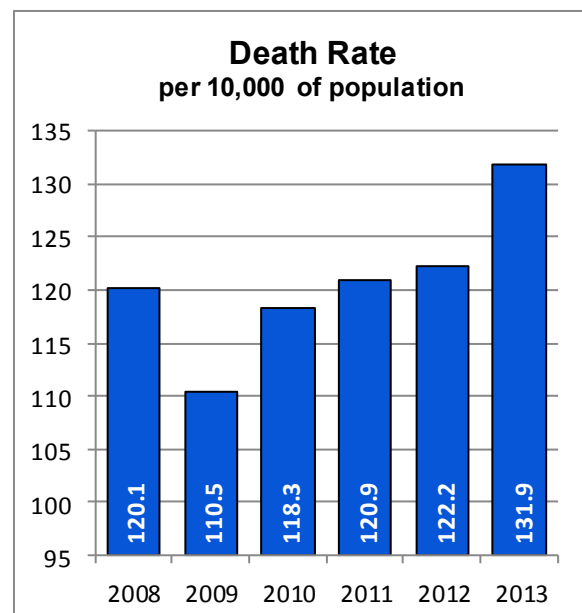
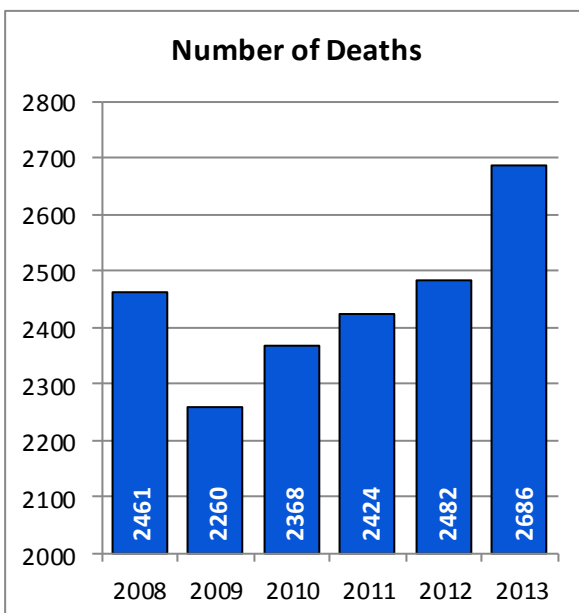


Patterns in Mortality

Vital Records

The Administration Division provides certified copies of death certificates for deaths that occurred from 2008 to present. We provide services to all county funeral homes for deaths that occurred in the county. There were 2,686 deaths in Mohave County in calendar year 2013 and staff issued 14,705 certified copies of death certificates during the fiscal year

We began providing certified copies of birth certificates in November, 2011. During fiscal year 2014, staff issued 1,933 certified copies of birth certificates. This is an increase of 17% from the previous fiscal year. In addition to certified copies, staff register all home births and births occurring in facilities that are not on the state vital record system. Court ordered paternities and Acknowledgement of Paternities are processed for Mohave County births, and corrections and amendments for birth and death records are processed.

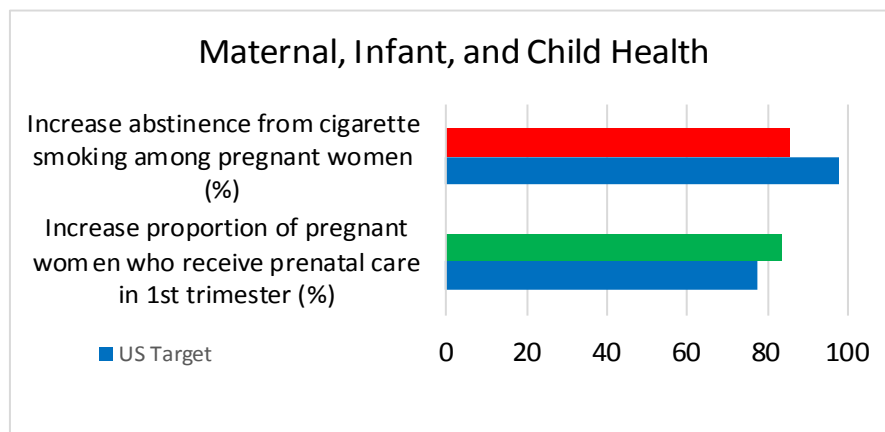
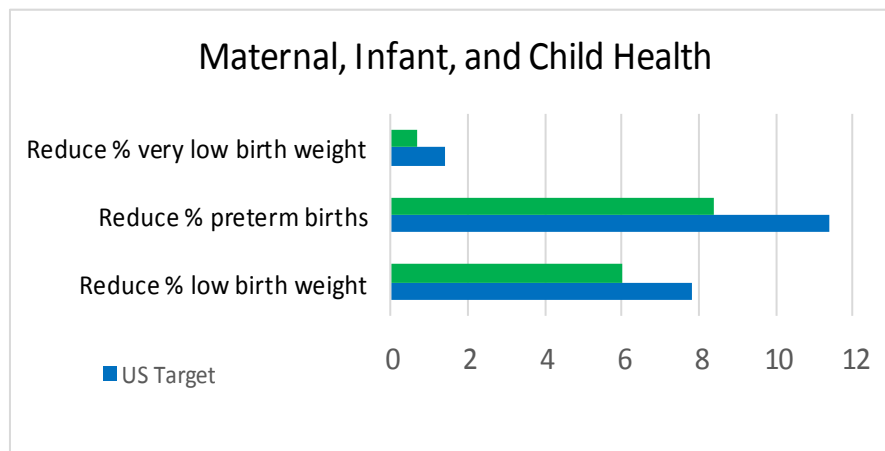
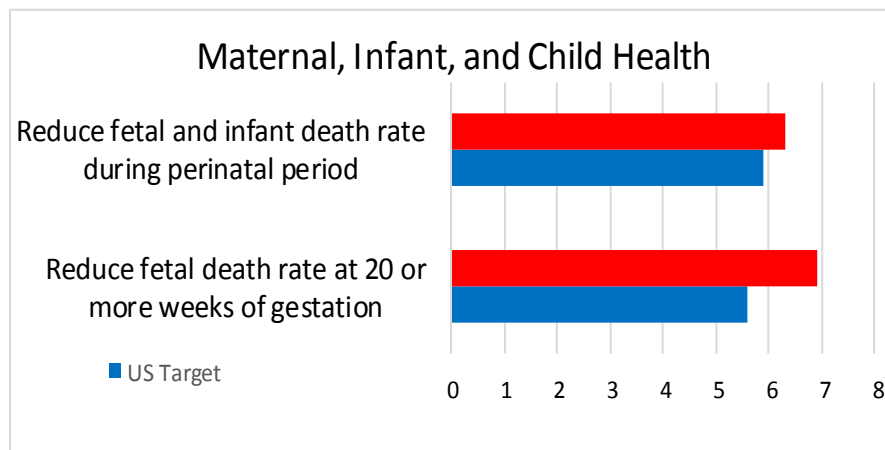


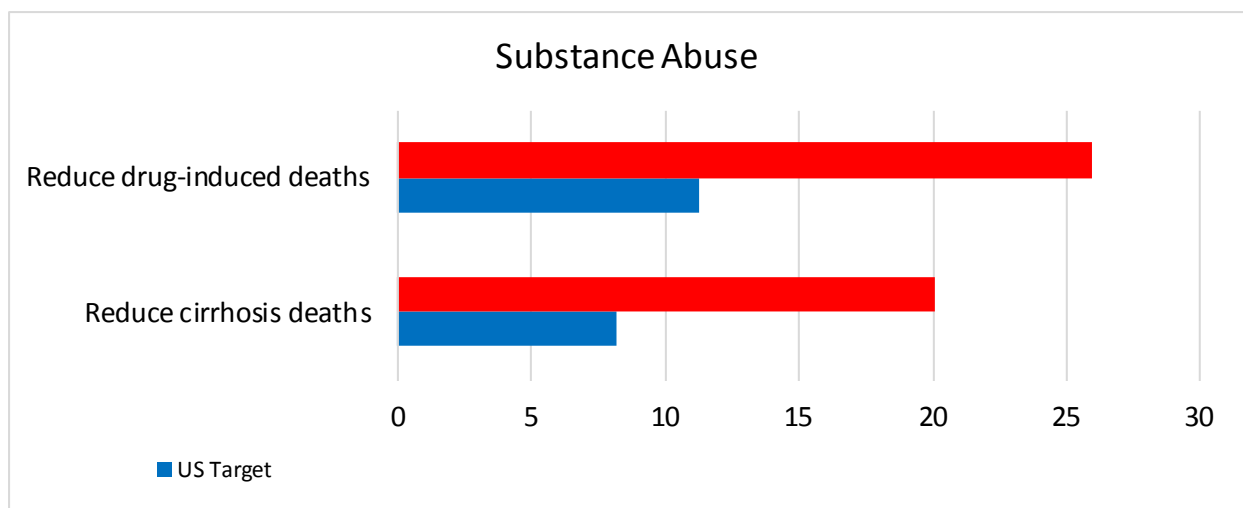
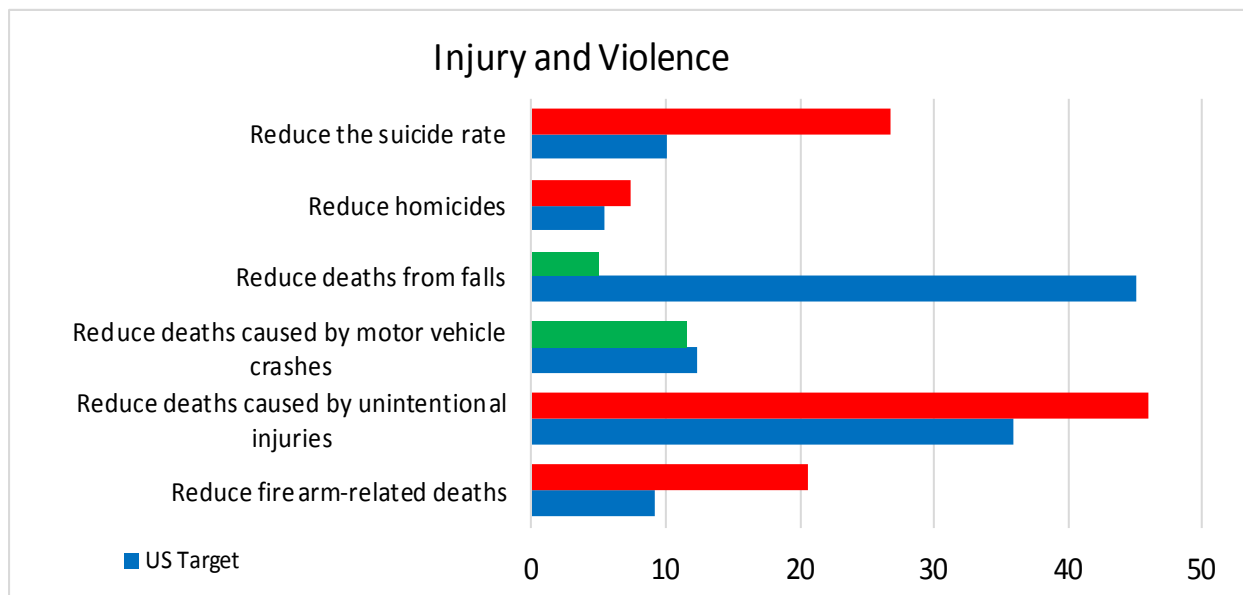
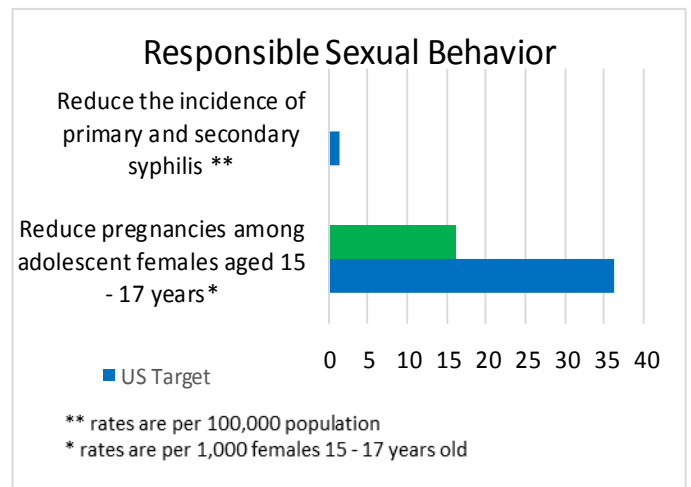
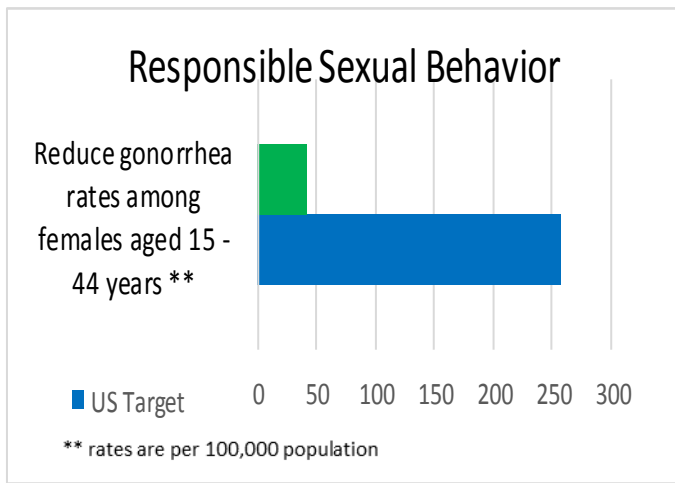
Of the 2,686 deaths in Mohave County in 2013, the top ten causes of death were:

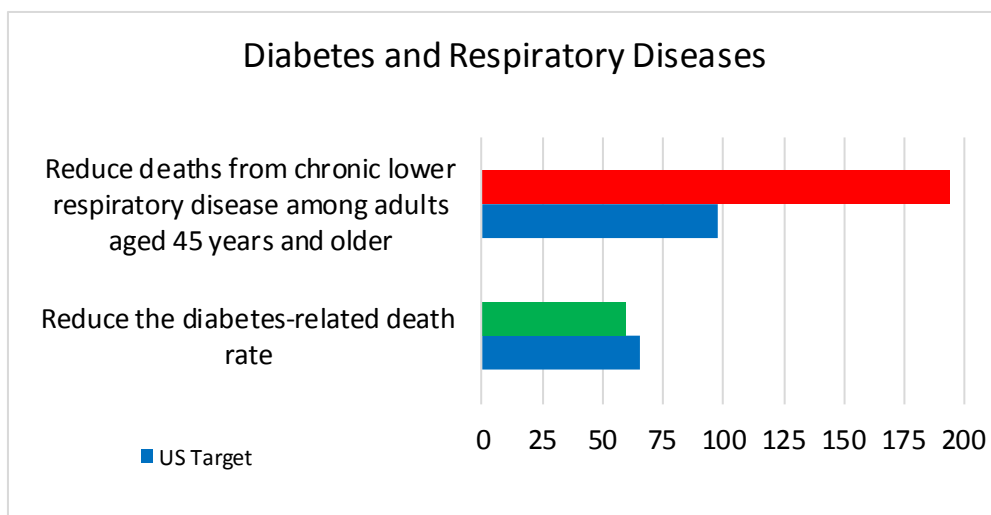
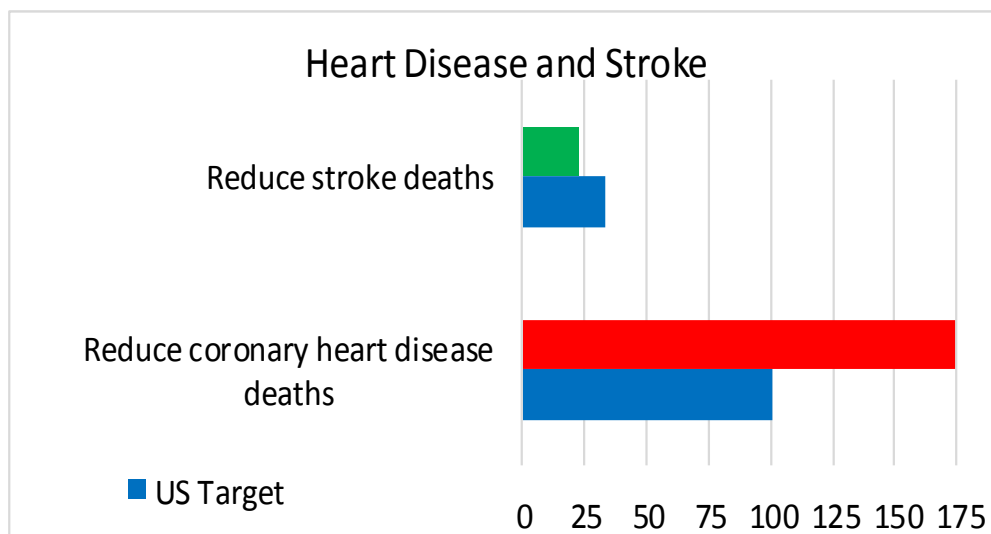
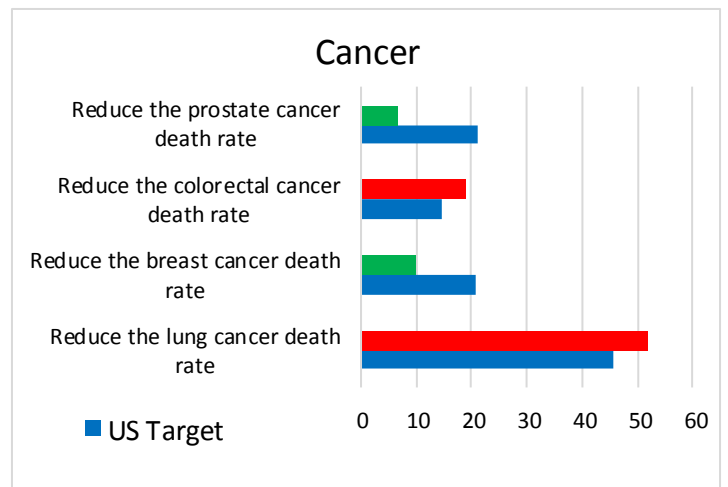
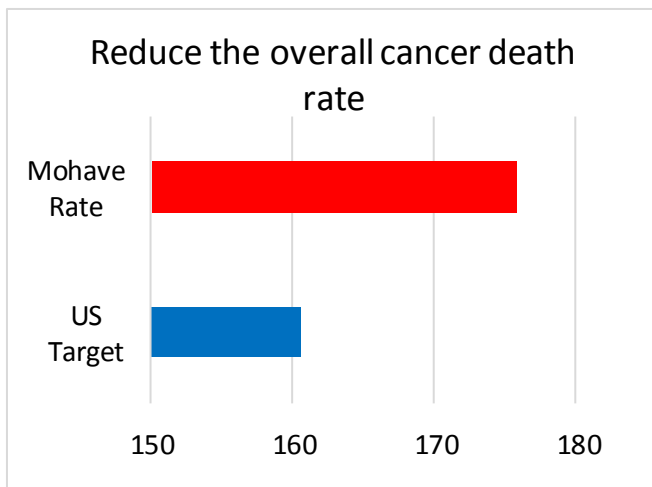
	number	% of total deaths
Major cardiovascular diseases	868	32%
Malignant neoplasms	678	25%
Chronic lower respiratory diseases	249	9%
Accidents	113	4%
Symptoms, signs, abnormal findings	77	3%
Diabetes	73	3%
Chronic liver disease & cirrhosis	70	3%
Intentional self harm	68	3%
Alzheimer's disease	42	2%
Nephritis, nephrotic syndrome & nephrosis	40	2%

Selected National Year 2020 Objectives

Healthy People is a set of goals and objectives with 10-year targets designed to guide national health promotion and disease prevention efforts to improve the health of all people in the United States. Released by the U.S. Department of Health and Human Services each decade, Healthy People reflects the idea that setting objectives and providing science-based benchmarks to track and monitor progress can motivate and focus action.









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Reviewed by: Patty Mead, Health Director



Public Health
Prevent. Promote. Protect.