



REPORT  
*to the*  
COMMUNITY



SOUTHERN NEVADA HEALTH DISTRICT • 2007

**REPORT** *to the*  
**COMMUNITY**





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Public health deals with the health and well being of the population as a whole. It is best distinguished from clinical medicine by its emphasis on preventing disease rather than curing it and its focus on populations and communities, rather than the individual patient.

—*Harvard Public Health Review, 2000,*  
*“Future of Public Health”*

## **SOUTHERN NEVADA HEALTH DISTRICT**

### *vision*

**Healthy People in a Healthy Southern Nevada**

### *mission*

**To protect and promote the health, the environment and the well-being of Southern Nevada residents and visitors.**

### *goals*

- To assure the health district and/or the public health system has the capacity and infrastructure to provide essential services.**
- To promote, protect and improve health status and reduce health disparities.**
- To gather and interpret data to guide public health action.**
- To improve internal and external communications and collaboration.**

# BOARD *of* HEALTH

The Southern Nevada District Board of Health is the public health policy board representing all the entities in Clark County.

## *officers*



Steven Kirk, Chair  
City of Henderson  
Councilman



Chris Giunchigliani,  
Vice Chair  
Clark County  
Commissioner



Gary Reese, Secretary  
City of Las Vegas  
Mayor Pro Tem

## *board members*



Ricki Barlow  
City of Las Vegas  
Councilman



Jim Christensen, MD  
Physician  
Member at Large



Susan Crowley  
Environmental Health  
Member at Large



Robert Eliason  
City of North Las Vegas  
Councilman



Assemblyman Joe Hardy, MD  
Physician  
Member at Large



Tim Jones  
Business/Industry  
Member at Large





Mary Jo Mattocks, RN, PhD  
Registered Nurse  
Member at Large



R. "Bubba" Smith  
City of Mesquite  
Councilman



Linda Strickland  
Boulder City  
Councilwoman



Lawrence Weekly  
Clark County  
Commissioner

# alternates



Travis Chandler  
Boulder City  
Councilman



Tom Collins  
Clark County  
Commissioner



Lonnie Empey  
Environmental Health  
Member at Large



Frank Nemec, MD  
Physician  
Member at Large



John Onyema, MD, CPE  
Physician  
Member at Large



Steven Ross  
City of Las Vegas  
Councilman



Gerri Schroder  
City of Henderson  
Councilwoman



Stephanie Smith  
City of North Las Vegas  
Councilwoman



Debra A. Toney, RN, PhD  
Registered Nurse  
Member at Large



Jimmy Vigilante  
Business/Industry  
Member at Large



# MESSAGE *from the* *chief health* OFFICER



LAWRENCE K. SANDS, DO, MPH  
Chief Health Officer

## **Strategically moving forward to meet the needs of our community**

The Southern Nevada Health District continues to focus on its mission to “protect and promote the health, environment and well being of Southern Nevada residents and visitors.”

In order to assure the health district’s services and initiatives continue to meet the needs of our community, we are diligently working on a five-year strategic plan. Staff and management representing each health district program and location are participating in the planning process. The overarching goals will help determine budget priorities, as well as planning and programming for the upcoming years. And perhaps most importantly, this process helps us assess our effectiveness in delivering services that better reflect our mission. As a result, our combined efforts as an organization are better focused and more cohesive.

While we continue to provide traditional public health services at our neighborhood locations, our staff also offers services off-site, such as same-day childhood wellness clinics in high-risk, low-income communities; outreach to



promote STD testing and safe sex practices in non-traditional settings where infection rates are highest; and free chronic disease screenings, education and activities throughout the community—just to name a few.

Through the use of the health district’s website, we offer a wealth of information about district services, communicable diseases, wellness and fitness programs, healthy lifestyle choices and statutory regulations. We have set in place the infrastructure to expand our electronic services to meet the continuing demand for round-the-clock, immediate access to information and resources.

The resurgence of several vaccine-preventable diseases, such as pertussis (whooping cough), mumps and chicken pox, reinforces the importance of disease surveillance and prevention education to ensure a healthy environment for employees, students and visitors.

Our Tobacco Control program staff has responded to a substantial increase in the community’s interest in smoking cessation programs and literature.

As we move forward with a renewed focus, we continue our commitment to working with our community partners and strengthening our presence throughout the valley.





# ADMINISTRATION

# ADMINISTRATION

The operations of the Health Cards and Vital Records sections fall under the umbrella of the Administration Division. Support services are provided by the Finance, Human Resources, Information Technology and Facilities sections, as well as the Public Information Office and Volunteer Services.



## Finance

Approximately 44 percent of health district funding is from fees and other revenues, 37 percent is from local taxes and 16 percent from federal grants. State funding accounts for approximately 3 percent of the health district's budget. The state funds include special purpose tobacco settlement grant programs and the tire tax that is earmarked for solid waste management services.

# Three-Year Financial Report

## REVENUES

	Actual 2005-06	Actual 2006-07	Budgeted 2007-08
Federal Funds distributed by State	9,496,091	7,879,797	7,754,055
Federal Grants	2,427,629	1,590,603	1,525,162
State Funding	1,724,167	1,879,920	1,523,891
Fee for Service	6,455,912	6,717,878	6,690,227
Regulatory Revenue	14,165,152	16,793,854	22,910,707
Program Contract Services	1,410,193	1,618,959	1,326,421
County Tax Revenue	20,330,000	22,450,600	24,300,000
General Receipts	212,803	15,882	9,000
Interest	628,587	968,436	916,000
<b>Total</b>	<b>56,850,534</b>	<b>59,915,929</b>	<b>66,955,463</b>
Capital Improvements	19,773	22,674	24,586
<b>Total</b>	<b>19,773</b>	<b>22,674</b>	<b>24,586</b>

## EXPENDITURES

	Actual 2005-06	Actual 2006-07	Budgeted 2007-08
Clinics & Nursing Services	18,955,239	18,917,693	21,227,755
Environmental Health	11,282,987	11,989,911	13,856,780
Community Health	7,233,815	7,706,454	8,320,527
Administration	14,037,022	16,272,804	23,427,368
<b>Total</b>	<b>51,509,063</b>	<b>54,886,862</b>	<b>66,832,430</b>
Capital Improvements	1,761,244	1,580,900	3,926,695
<b>Total</b>	<b>1,761,244</b>	<b>1,580,900</b>	<b>3,926,695</b>

## ENDING FUND BALANCE

	Actual 2005-06	Actual 2006-07	Budgeted 2007-08
Ending General Fund Balance	18,093,485	21,595,624	7,678,092
Capital Improvements	495,975	(62,251)	1,942,561





# WEBfriendly

- Order birth and death certificates
- Find out how to apply or renew health cards
- Check out volunteer opportunities
- Access Board of Health agendas and minutes

[www.SouthernNevadaHealthDistrict.org](http://www.SouthernNevadaHealthDistrict.org)

## Health Cards

A health card is required of anyone working as a food handler, child or adult group care attendant, tattoo, body piercing and permanent makeup artist, reflexologist, massage therapist or in a profession that requires tuberculosis screening prior to employment. Food handlers receive a three-year health card; health cards issued to child care and adult group care providers must be renewed every two years.

HEALTH CARDS 2005-2006			
	2006	2007	Increase
Health Cards	148,603	150,181	1%

## Vital Records

The Vital Records section is the repository for all birth and death records in Clark County. Records are available at the health district for births since 1973 and for deaths since 1988. Nevada records prior to these dates can be obtained from the State Office of Vital Records in Carson City.

BIRTH & DEATH RECORDS 2005-2006			
	2006	2007	Increase
Birth Records	30,118	25,177	-16.4%
Death Records	13,770	12,341	-10.4%



# WEBstats

- The sections most visited on the SNHD website are Birth and Death Records, Health Cards and Emergency Medical Services.
- There were 1.2 million more web pages viewed in 2007 than in 2005.
- More than 1.9 million web pages were viewed in 2007.

## Volunteer Services

The Southern Nevada Health District's commitment to the health of the community is enhanced by the contributions of community partners. Volunteer opportunities at the health district vary for people who wish to contribute their time, talent and skills in an effort to promote public health. In 2007, volunteers provided approximately 13,601 hours of service, which equates to a savings of more than \$255,290 in paid labor.

Volunteers assist at the five public health centers primarily through two key programs:

### COMMUNITY VOLUNTEERS

Community volunteers support numerous programs and projects to enhance the health district's public service. The volunteer program consists of students, AARP/Catholic Charities seniors, residents and retirees.

### SALUD EN ACCIÓN

Salud en Acción provides Medicare advocacy to the Hispanic community including one-on-one counseling, eligibility referrals and assistance with the appeal process. The goal of the program is to provide the participants with accurate information they can use to make informed choices about their health care.







# CLINIC & NURSING SERVICES



# CLINIC & NURSING SERVICES

The Clinic and Nursing Services Division provides services to more than 400,000 clients in its public health clinics each year. Services are provided regardless of a client's ability to pay and include providing immunizations for infants, children and adults, sexually transmitted disease (STD) testing and treatment, tuberculosis (TB) treatment and control, family planning services, well-baby checkups, HIV/AIDS case management and home visitation.

Nursing services and clinics are available at the Ravenholt Public Health Center and four neighborhood public health centers throughout the Las Vegas Valley:

- East Las Vegas Public Health Center
- Henderson Public Health Center
- North Las Vegas Public Health Center
- Spring Valley Public Health Center

## Family Planning Services



The Family Planning Program is funded by a federal Title X grant and assures access to family planning services and promotes healthy pregnancies and the prevention of unintended pregnancies. The program provides education, information, contraception, pregnancy testing and counseling to Clark County residents. In 2007, the clinic and its delegate agencies served approximately 25,000 clients, 18,243 of which were served by health district staff.

Staff recruits agencies and providers to participate in the family planning program in order to increase client access to services. The health district develops training, guidelines, protocols and procedures for the provision of services provided by staff, partner agencies and providers.

### WOMEN'S HEALTH CONNECTION

Family planning clinics are service providers for the Women's Health Connection (WHC), a breast and cervical cancer early detection program. It is free for eligible

women who reside in Nevada, and is funded by the Centers for Disease Control and Prevention (CDC).

Women age 40 and older are eligible to receive:

- Annual pelvic exams and pap smears
- Clinical breast exams
- Some diagnostic services

Women age 50 and older are eligible to receive the services listed above, as well as an annual mammogram screening.

## **HIV/AIDS**

The Office of HIV/AIDS provides ongoing prevention and awareness programs throughout the community. The health district has provided testing, counseling and case management services for HIV-positive individuals for more than 20 years. The office distributes educational and prevention materials, makes medical and community service referrals, and partners with other organizations to offer testing and education in non-traditional settings such as prisons, homeless shelters, nightclubs and street outreach events.

### **EARLY INTERVENTION CLINIC (EIS)**

Staff introduce newly HIV-diagnosed individuals to the medical care system. Clients receive education about their individualized treatment plans and doctor visit schedules. This program is funded by the Ryan White Part A federal grant.

### **HIV/AIDS SURVEILLANCE**

Over the past 24 years in Clark County, 3,412 people have been diagnosed with HIV and 4,858 people have been diagnosed with AIDS. Of those diagnosed with AIDS, 45 percent have died.

The Office of HIV/AIDS receives more than 500 HIV-related leads from labs and providers a month, which require investigation by staff to track the epidemic.

### **HIV TESTING AND COUNSELING**

In 2007, staff administered 16,024 HIV tests, of which 217 were positive. Of those tests administered, 3,410 were Rapid HIV tests, which use oral fluids instead of blood. Rapid tests improve access in both clinical and non-clinical settings, helping to increase the number of people who learn their HIV status.



## **NURSING CASE MANAGEMENT**

Case managers receive referrals from medical providers and HIV community-based organizations to facilitate the delivery of coordinated medical care for severely ill clients.

In 2007, case management staff made 4,760 client contacts: 1,977 adults and 2,783 women and children. This program is funded by the Ryan White Part A federal grant.

## **SEXUALLY TRANSMITTED DISEASE SURVEILLANCE**

STD surveillance provides interview and investigative services for diagnosis of syphilis, gonorrhea and chlamydia, and provides partner/contact follow-up.

In 2007, there were 2,119 cases of gonorrhea and 7,364 cases of chlamydia in Clark County.

## **SUBSTANCE ABUSE PREVENTION AND TREATMENT AGENCY (SAPTA)**

SNHD administers the SAPTA program, which provides essential services to 15 SAPTA-funded substance abuse agencies in Clark County. Through this outreach program, staff regularly provide HIV testing and counseling, tuberculosis (TB) testing and/or chest x-rays, disease and transmission education, and referrals to community agencies.

In 2007, staff administered 1,848 HIV tests, of which 8 were positive.

## **SYPHILIS ELIMINATION PROGRAM**

This program specifically addresses the current syphilis outbreak in Clark County. The program prioritizes and targets interventions and testing to populations at greatest risk.

In 2007, there were 101 primary and secondary syphilis cases, and 169 early latent syphilis cases. Additionally, the Office of HIV/AIDS partnered with the Gay & Lesbian Center of Southern Nevada to implement an onsite clinic that offers rapid HIV testing, testing and treatment for syphilis, gonorrhea and chlamydia, and vaccination for hepatitis A and B.

# Home Visitation Program

The Home Visitation Program encompasses the nursing division's Adult Intervention Crisis Team, Congestive Heart Failure Program, the Lead Testing/Screening Program and Maternal Child Health Program.

## ADULT CRISIS INTERVENTION TEAM

The Adult Crisis Intervention Team (ACIT) provides short-term intervention services to adults who may have fallen through the cracks of the traditional health care system and identifies the appropriate resources to meet their long-term health needs. Clients are identified by environmental health staff through the programs they administer, and then referred to community health nurses. In 2007, the ACIT provided services to 54 clients.

## CONGESTIVE HEART FAILURE PROGRAM

The Congestive Heart Failure (CHF) Case Management Program aims to reduce hospitalization of adults with CHF and to promote the early reporting of symptoms and self-management of the illness. In 2007, the program served an average of 20 clients a month.



## Nursing staff initiates outreach program

In 2007, the Clinics and Nursing Services Division initiated a pilot program to deliver clinic services to targeted neighborhoods. During routine home visits, staff identified neighborhoods with low-income households and uninsured children.

During the day-long events, staff offered well-baby exams, fluoride varnishes, dental screenings, lead screenings, immunizations and other essential services.

Staff promoted the clinic one week in advance by going door-to-door to distribute flyers to invite residents to the event.

During the five events in 2007, staff administered 670 immunizations and performed 98 well baby and Healthy Kids exams to 248 clients.

The health district partnered with the Southern Nevada Immunization Coalition, Community Coalition for Oral Health, Housing Authority of the City of Las Vegas and the CDW Corporation.



## WEBfriendly

- Learn what to expect when visiting the STD, TB and Family Planning clinics
- Download immunization forms and vaccine information sheets
- Get immunization schedules developed by CDC
- Check dates and locations for these types of clinics: HIV, immunization and lead screening

[www.SouthernNevadaHealthDistrict.org](http://www.SouthernNevadaHealthDistrict.org)

### LEAD PROGRAM

Nursing staff works with the health district's Office of Epidemiology and Environmental Health Division to eliminate childhood lead exposure as a significant health risk in Clark County. Activities include identifying and testing high-risk children in the community, and ensuring those with elevated blood-lead levels receive comprehensive care.

### MATERNAL CHILD HEALTH PROGRAM

The Maternal Child Health Program provides necessary services and referrals to parents and families to improve their quality of life. Referrals come from hospitals, community agencies and private individuals for infants born to mothers 16 years old or younger, drop-in births, Child Protective Services cases, and infants requiring neo-natal intensive care or other medical care.

In 2007, community health nurses made more than 7,992 home visits, performed 5,731 wellness exams, and administered immunizations to 784 children.

## Immunization Program

The Immunization Program is designed to prevent disease, disability and death from infectious diseases. All recommended childhood, adolescent and adult immunizations are available at the health district. Nursing staff administer approximately 300,000 immunizations a year. Additionally, staff works with



private providers through the Vaccines for Children program to increase immunization rates among patients in their practice.

### **IMMUNIZATION CLINICS/SERVICES**

In 2007, more than 250,811 vaccinations were given to children and adults. More than 34,663 flu vaccinations were administered during the 2006-2007 flu season.

### **PERINATAL HEPATITIS B PROGRAM**

The Perinatal Hepatitis B Prevention Program is a national program that provides follow-up services for babies and household contacts of women infected with hepatitis B. Babies born to infected mothers receive treatment to prevent transmission of the illness. In 2007, staff provided case management services to approximately 342 newborns, expectant mothers and household contacts.

### **VACCINES FOR CHILDREN PROGRAM**

The Vaccines for Children (VFC) Program is a federal program that started in 1994. It provides free vaccinations to children who are Medicaid eligible, uninsured, American Indian/Alaska Native and underinsured at federally approved health care centers. Currently, Southern Nevada has 186 medical VFC providers.

### **WORKPLACE VACCINATIONS**

The Workplace Vaccination Program helps employers provide vaccination protection to their employees, administers TB skin tests and conducts outreach.

## **Vaccines prevent serious diseases**

Childhood vaccines protect against 12 potentially serious diseases:

- Diphtheria
- Haemophilus Influenzae type b “Hib Disease”
- Hepatitis A
- Hepatitis B
- Measles
- Mumps
- Pertussis “Whooping Cough”
- Pneumococcal Conjugate
- Polio
- Rubella “German Measles”
- Tetanus “Lockjaw”
- Varicella “Chicken pox”

These diseases can be deadly. It’s easy to forget how serious these illnesses can be because they have become more rare due to the use of vaccines.

For full protection, more than one shot is usually required so check with your health care provider to obtain a schedule.

Vaccinations are just as safe and effective when given together as they are when given separately. Several “combination vaccines” already exist in which multiple vaccines are given in a single shot, and this reduces the number of shots needed.

In 2007, staff administered 88,395 hepatitis A vaccinations (including health card applicants); 942 hepatitis B vaccinations; 280 Twinrix® vaccinations; 21 tetanus vaccinations and 13,681 TB skin tests.

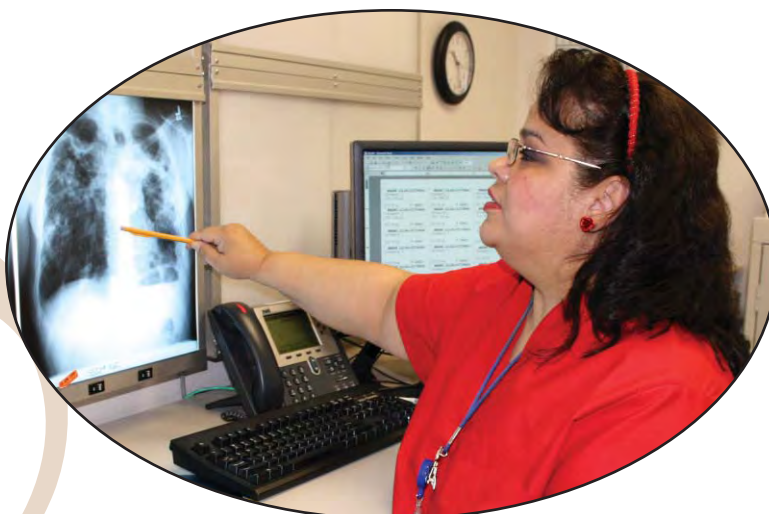
## **Nursing Development/Community Outreach**

This program provides nursing staff with educational opportunities presented in various formats, such as satellite broadcasts and speakers. Continuing education units are available for many of the programs. In 2007, approximately 193 educational opportunities were offered.

Program staff also provide local nursing, medical and pediatric students with a variety of experiences to introduce them to the value of public health. In 2007, approximately 134 students rotated through the Clinics & Nursing Services Division.

In addition to providing educational opportunities, staff participates in community outreach to promote health district services.





## **Sexually Transmitted Diseases**

The Sexually Transmitted Diseases Clinic provides testing, counseling, treatment, follow-up services and partner referral for clients seeking services for sexually transmitted infections. The program works to reduce the incidence of disease by early detection, treatment and educational outreach. STD clinic staff provided services to more than 10,587 unduplicated clients and lab staff processed 5,061 lab tests in 2007. Additionally, the clinic staff tested 61 victims of sexual assault following an educational outreach focusing on domestic violence.

## **Tuberculosis Treatment & Control**

The Tuberculosis Treatment & Control Clinic integrates clinic services, field services, case management, directly observed therapy, surveillance and educational outreach activities to rapidly identify and diagnose TB disease, treat active cases and conduct contact investigations.

In 2007, there were 92 cases of active TB reported in Clark County. Of these cases, three clients are being treated for multi-drug resistant TB. The completion of therapy is necessary to prevent further spread of the disease and to curb drug-resistant strains.

Partnering with the Las Vegas Metropolitan Police Department's House Arrest Program, the TB clinic introduced the use of videophones to initiate direct-observed therapy and monitored a client using a GPS tracking device.









COMMUNITY  
HEALTH



# COMMUNITY HEALTH

## **Chronic Disease Prevention & Health Promotion**

The Office of Chronic Disease Prevention and Health Promotion (OCDPHP) educates residents about healthy choices, promotes behaviors that lead to improved health, and develops community partnerships to encourage healthy lifestyles. OCDPHP programs, administered by professionally trained health educators, encourage people to get moving, be safe, eat better, and live smoke-free.

### **CHRONIC DISEASE PREVENTION**

Chronic diseases, which include cardiovascular disease, cancer and diabetes, are now among the most prevalent and costly of health problems. Most are preventable by changing risk behaviors, such as tobacco use, physical inactivity and poor dietary choices. The nationally recognized efforts of the Chronic Disease Prevention Program include campaigns at schools, worksites and community venues to promote healthy eating, increase levels of physical activity and awareness of chronic disease risk factors. Programs are tailored to meet the needs of at-risk communities to reduce health disparities.

#### **Physical Activity**

The Chronic Disease Prevention Program promotes increased levels of physical activity through the Walk Around Nevada online program, TV Turn Off Week, social marketing campaigns and worksite wellness tool kits.

#### **Nutrition**

The program also advocates improved dietary choices through the Nutrition Challenge online program and social marketing campaigns.

The program supports and participates with community coalitions including:

- Partners for a Healthy Nevada—a Clark County coalition addressing obesity
- Regional Open Space Work Group—a Clark County partnership addressing open space and trails

- Community Partners for Better Health—a community coalition promoting healthy lifestyles within communities of color
- Clark County Diabetes Group—a coalition promoting awareness and early diagnosis of diabetes

## **INJURY PREVENTION**

The Injury Prevention Program focuses on three areas of prevention: drowning, falls and suicide.

### **Drowning Prevention**

Health promotion and emergency medical services staff work with community partners to conduct an annual drowning prevention awareness and education campaign. The campaign emphasizes constant adult supervision; the use of barriers such as isolation fencing, door alarms, electrically operated pool covers; CPR training and proper rescue equipment.

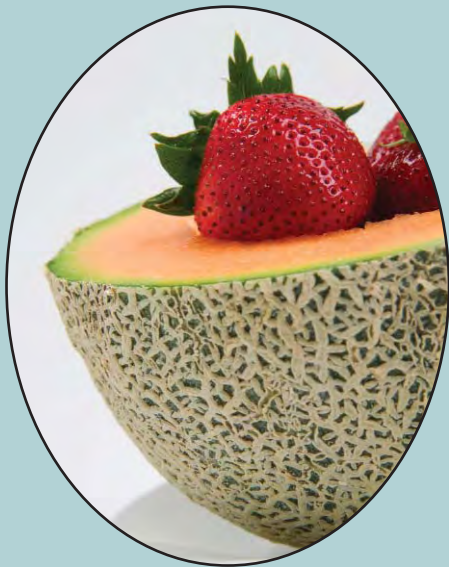
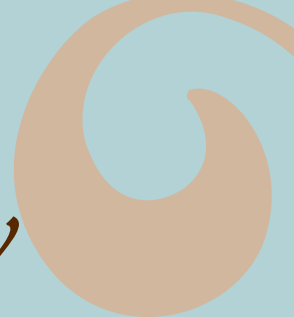
Submersion incidents and drowning rates increased from 2006 to 2007, though the rates per 100,000 population remained much lower than those prior to initiating the annual campaign in 2004. Additionally, more complete reporting in 2006 identified increasing rates within the Hispanic population, which will be addressed in the next campaign.

## **Program receives national recognition**

The National Association of County and City Health Officials (NACCHO) honored the Southern Nevada Health District for implementing a program that demonstrates exemplary and replicable qualities in response to a local public health need. The health district's Nutrition Challenge was one of 29 local public health programs selected from across the nation to receive NACCHO's "Model Practice Award."

In Clark County, less than one in four adults eats the recommended five to nine servings of fruits and vegetables each day. The Nutrition Challenge is an online program designed to help participants track the number of fruits and vegetables they eat in order to encourage healthier eating habits. Participants track their daily and weekly progress and are provided with weekly tips to help achieve their individual goals.

"We are proud to receive NACCHO's Model Practice Award. The award recognizes our commitment to develop responsive and innovative public health programs that improve the health of local citizens," said Dr. Lawrence Sands, chief health officer.



# WEBfriendly

- **Join the Nutrition Challenge**
- **Get information about smoking cessation**
- **Participate in the “Walk Around Nevada”**

[www.GetHealthyClarkCounty.org](http://www.GetHealthyClarkCounty.org)

## **Fall Prevention**

Falls and fall-related injuries impose an enormous burden on individuals, society and the nation’s health care systems. One-third of adults over the age of 65 fall each year. In response, the health district is working with community partners to replicate an evidence-based senior fall prevention education program in Clark County.

## **Suicide Prevention**

By collaborating with community partners, the injury prevention staff strives to reduce the suicide rate in Clark County. In addition to supporting the creation of a statewide suicide prevention program, staff coordinated a public information campaign to increase awareness and reduce the stigma associated with suicide.

## **TOBACCO CONTROL PROGRAM**

The Tobacco Control Program has four major goals: prevent youth initiation of smoking; promote smoking cessation among youth and adults; eliminate secondhand smoke exposure and eliminate health disparities among diverse populations. Tobacco use in Clark County has been on a steady decline largely in part to efforts of the health district.

The program is guided by the Centers for Disease Control and Prevention’s (CDC) “Best Practices” document. The health district’s programs have contributed to a decrease in youth smoking prevalence (from 33 percent to 15 percent) and a decrease in adult smoking prevalence (from 29 percent to 22 percent); expanded

# WEBstats

- **At year end, there were 1,630 participants registered with the Nutrition Challenge and 4,447 participants registered with the Walk Around Nevada on-line programs.**
- **The health district's Get Healthy Clark County website had more than 47,000 visitors in 2007.**

programming to diverse communities disproportionately affected by tobacco use; and helped to increase public awareness of the dangers of second-hand smoke.

The Tobacco Control Program supports and develops community coalitions including:

- LUCES (Latinos Unidos Celebrando Salud)—a community coalition promoting healthy lifestyles within the Hispanic community
- CIAA (Clean Indoor Air Alliance)
- XPOZ—a youth tobacco prevention organization
- Urban Fuel—a young adult tobacco prevention coalition
- CRUSH—a lesbian, gay, bisexual and transgender tobacco prevention brand





# Emergency Medical Services & Trauma System

The Emergency Medical Services & Trauma System (EMSTS) Office coordinates emergency medical services by providing medical direction and protocols for the county's emergency response system. Additionally, the office has the authority to plan, implement and monitor the Clark County trauma care system.

## CERTIFICATION, LICENSING AND PERMITTING

The EMSTS office, in compliance with applicable regulations, determines an individual's qualifications to be certified as an emergency medical technician (EMT). The office also oversees the reinstatement of expired EMT certificates and grants reciprocity to EMTs who have been certified in other counties or states meeting the requirements of Clark County.

Additionally, ambulance and firefighter attendants are issued licenses by the health district. All ambulance services, air ambulance services and fire-fighting agencies providing emergency medical care are permitted through the health district.

### 2007 Certification Status Report

Applications received for certification via reciprocity .....	70
Applications received for certification via challenge .....	24
EMS training courses completed .....	32
New certifications issued.....	250
Renewal certifications issued .....	1,652
Total certifications issued .....	1,902

### 2007 Active Certifications Report

First Responder .....	33
EMT-Basic .....	948
EMT-Intermediate .....	1,413
EMT-Paramedic .....	945
EMS Instructors .....	388

## 2007 Licensure Status Report

New licenses issued .....	212
Renewal licenses issued .....	1,287
Paid full-time fire departments .....	6
Volunteer fire departments .....	11
Private ambulance services .....	2
Special purpose stand-by ambulance services .....	4
Helicopter ambulance services .....	1
Fixed-wing air ambulance services .....	2

### CONTINUING MEDICAL EDUCATION AND TRAINING CENTERS

All certified and licensed medical attendants aboard ambulances or other medical rescue vehicles, such as fixed-wing aircraft and helicopters, must complete training and continuing education classes conducted by a public or private agency approved by the health district.

### EMSTS QUALITY IMPROVEMENT

The EMSTS office provides quality improvement (QI) oversight within the emergency medical services (EMS) system. The office oversees QI projects and reviews patient complaints when they are received. District EMS regulations require each permitted ambulance service (private and fire department) to have a QI director to ensure compliance with EMSTS regulations and protocols regarding patient care.

The cornerstone of the trauma system performance improvement process is the Trauma Medical Audit Committee (TMAC). The TMAC is a multidisciplinary medical review committee that meets regularly to review and evaluate trauma care in the system, monitor trends in system performance and make recommendations for system improvements.

### MEDICAL ADVISORY BOARD

The Southern Nevada Health District Medical Advisory Board (MAB) provides emergency medicine recommendations to the chief health officer. The MAB makes recommendations and assists in the ongoing design, operation, evaluation and revision of the EMS system. Membership consists of one medical director and one operations director for each permitted agency.



## **EMSTS office instructs instructors**

In April 2007, the EMSTS Office sponsored the first-ever EMS Instructor Symposium, which provided an opportunity for all EMS instructors in Clark County to earn continuing education credits.

Heather Davis, MS, NREMT-P, a nationally recognized speaker and EMS educator from the Los Angeles County Fire Department, delivered the keynote “Leading with Heart.” Other instructors included local EMS professionals whose presentations covered future EMS education trends, communications and assessment.

Approximately 35 local EMS personnel attended and reported being very satisfied with the event.

## **REGIONAL TRAUMA ADVISORY BOARD**

The Clark County Regional Trauma Advisory Board (RTAB) supports the health officer’s role to ensure a quality system of patient care for the victims of trauma within Clark County by assisting in the ongoing design, operation, evaluation and revision of the trauma system.

### **Regional Trauma Advisory Board Membership**

- A trauma surgeon from each trauma center
- An administrator from each trauma center
- Chairman of the Medical Advisory Board
- One administrator from a non-trauma hospital
- One person representing the public providers of advanced emergency care
- One person representing the private providers of advanced emergency care
- One person representing health education and prevention services
- One person representing the payors of medical benefits for the victims of trauma
- One person representing the general public

# Epidemiology

The Office of Epidemiology conducts surveillance of various diseases and conditions, investigates case reports and disease outbreaks, and implements measures designed to control the spread and development of disease and health conditions. The office works with diseases and conditions that may be communicable or non-communicable, and acute or chronic in nature, and covers a broad range of the diseases and conditions that are most important to the health and well being of Southern Nevada residents and visitors.

## SURVEILLANCE PROGRAMS

Disease surveillance programs aid in the rapid identification of unusual illness patterns or trends and clusters of disease. When illness or disease outbreaks are identified, the health district uses surveillance systems to track the effectiveness of control measures and ensure the situation has been resolved. State and local laws require physicians, nurses and laboratories to report more than 60 diseases and conditions to the health district. In addition, the Office of Epidemiology monitors illnesses reported by members of the public and through disease case investigations.

### **Antimicrobial Resistance Surveillance**

In 2007, the Office of Epidemiology worked with Environmental Health and Public Information Office staff to develop guidelines for environmental infection control in healthcare facilities to distribute to 2,000 healthcare providers.

In conjunction with Nevadans for Antibiotic Awareness, staff enlisted the cooperation of commercial and hospital laboratory personnel to participate in a countywide antimicrobial resistance surveillance project. The 2005 and 2006 data compiled through this project has been incorporated into a countywide antibiogram including separate versions for organisms isolated from adult and pediatric patients.

Surveillance on drug-resistant invasive *Streptococcus pneumoniae* is also conducted to identify emerging antimicrobial resistance, to evaluate the impact of the pneumococcal conjugate vaccines on disease burden, to evaluate prevention of illness among the elderly and to provide information on current resistance patterns to health care providers.



# WEBfriendly

- Check dates and locations for EMS training opportunities in Clark County
- Download EMS regulations, manuals and forms
- View the *Clark County Health Status Report*
- Access the antibiogram newsletter
- Access the “*Invasive Streptococcus pneumoniae Surveillance in Clark County*” newsletter

[www.SouthernNevadaHealthDistrict.org](http://www.SouthernNevadaHealthDistrict.org)

## **Chronic Disease Surveillance Program**

This program tracks various chronic disease indicators at the county level, including physical activity, fruit and vegetable consumption, asthma, diabetes, obesity/overweight, cancer and tobacco use. Survey data is assessed to determine health disparities by sex and race-ethnic groups and to determine preventable risk behaviors that can lead to chronic disease.

## **Foodborne Illness Surveillance**

An important function of the Office of Epidemiology is to receive and investigate complaints from the public regarding possible foodborne illness. Staff monitors the complaints to detect foodborne outbreaks and works with Environmental Health staff to conduct investigations. In 2007, the health district documented 621 complaints and investigated eight outbreaks.

## **Influenza Surveillance Program**

This program tracks the spread of influenza in the community throughout the year, providing an insight into a disease that significantly impacts individual health and the medical system each winter. In addition to tracking laboratory-confirmed cases, influenza activity and trends are tracked through syndromic surveillance, death certificate surveillance and weekly sentinel physician reports. This data is forwarded to the CDC for regional and national statistics of influenza.

## Clark County Reportable Disease Statistics\*

DISEASE	2006	2007	DISEASE	2006	2007
Diphtheria	0	0	Botulism Intoxication	0	0
Haemophilus Influenza—Invasive	10	8	Brucellosis	>5	>5
Hepatitis A	7	5	Coccidioidomycosis	56	65
Hepatitis B	35	34	Encephalitis	>5	>5
Influenza	155	79	West Nile Virus (Fever)	>5	>5
Measles (Rubeola)	0	0	Hantavirus	0	0
Mumps	>5	9	Hemolytic Uremic Syndrome (HUS)	>5	0
Pertussis	27	9	Hepatitis C	>5	6
Polio	0	0	Hepatitis D	0	0
Rubella	0	0	Legionellosis	9	8
Tetanus	0	0	Leprosy (Hansen's Disease)	>5	>5
Chlamydia	6,580	7,364	Leptospirosis	>5	0
Gonorrhea	2,472	2,118	Listeriosis	5	7
Syphilis (Primary/Secondary)	129	103	Lyme Disease	>5	9
Syphilis (Early Latent)	107	169	Malaria	>5	0
Amebiasis	8	13	Meningitis, Aseptic/Viral	50	61
Botulism-Intestinal (Infant)	>5	0	Meningitis, Bacterial	13	19
Campylobacteriosis	98	134	Meningococcal Disease	>5	>5
Cholera	0	0	Plague	0	0
Cryptosporidiosis	7	18	Psittacosis	0	0
Shiga-Toxin Producing E.Coli	20	16	Q Fever	0	>5
Giardia	59	99	Rabies (Human)	0	0
Rotavirus	535	278	Relapsing Fever	0	0
Salmonellosis	185	167	Respiratory Syncytial Virus (RSV)	1,399	1,315
Shigellosis	134	71	Rocky Mountain Spotted Fever	0	0
Typhoid Fever	0	0	Toxic Shock Syndrome	0	0
Yersiniosis	>5	>5	Tuberculosis (Cases)	89	93
Anthrax	0	0	Tularemia	0	0

\* Numbers include confirmed and probable cases, and have been reconciled from totals published in previous reports. For reportable disease statistics for HIV/AIDS, refer to page 19; tuberculosis, page 25.

### Lead Exposure Surveillance Program

Staff conducts surveillance of blood lead levels, and works with Nursing and Environmental Health staff to identify, manage and control lead poisoning among children. In addition, the program tracks adult lead exposure and poisoning cases and provides information regarding prevention.

During 2007, staff received 8,675 reports for children under the age of 18 years, of which 24 percent showed an exposure to lead.

### Mortality and Injury Epidemiology Program

The Mortality and Injury Epidemiology Program is a new program focused on developing an understanding of causes of deaths and injuries experienced by Clark County residents. The program conducts the surveillance activities and provides data necessary to support the efforts of other offices of the Southern



Nevada Health District, as well as community partners. Mortality and injury data will be compiled and maintained to aid the development of appropriate, data-driven, public education and outreach programs.

### **Reportable Disease Investigation and Surveillance**

State and local laws require health care providers, medical laboratories, blood banks, veterinarians, school authorities, college administrators, child care and nursing home directors, and correctional facilities to report over 60 different diseases and conditions to the health district. The Office of Epidemiology conducts surveillance of and investigates all reportable diseases with the exception of HIV/AIDS, sexually transmitted diseases and tuberculosis, which are investigated by Clinics and Nursing Division staff.

In 2007, the Office of Epidemiology received 95,425 disease reports, 1,368 of which required further investigation by staff prior to reporting to the Nevada State Health Division.

## **HEALTH ALERT NETWORK**

The Office of Epidemiology distributes timely health-related information to the medical community through its Health Alert Network using broadcast fax, e-mail and a new web-based system that allows providers to choose how they prefer to receive critical information. The office also provides information to the public and health care providers through newsletters, notices and alerts.

### **Health Status Report**

In 2006, the Office of Epidemiology began to compile data for the first volume of a series of health status reports for Clark County. The Clark County Health Status Report provides an overview of residents' health status in terms of socio-economic and disease trends. Three volumes published in 2007 covered topics such as communicable disease, chronic disease, non-communicable diseases and minority health.

### **Health Data Analysis and Reporting**

The Office of Epidemiology collects local health data from public health partners to monitor and measure both communicable and chronic diseases and conditions among county residents. Disease statistics are compiled and distributed monthly to partners and the public. In addition to these standard reports, the office responds to requests for information and data analysis from community partners and residents.

Data associated with health events, such as trauma-related injuries, is also monitored and analyzed for other health district programs.



# Public Health Preparedness

The Office of Public Health Preparedness prepares for, responds to and mitigates the consequences of manmade and naturally occurring emergencies including infectious disease outbreaks, bioterrorism events and other public health threats.

Activities include disaster preparedness education for residents and businesses, public health training for internal and external partners, and development of emergency preparedness plans. The office also coordinates exercises to test written plans and the health district's ability to effectively respond to a community-wide disaster.

In 2007, the OPHP conducted two exercises to test preparedness and response plans. In July, the health district coordinated with Rocky Mountain Poison and Drug Control to utilize the telephone call center to test the ability to isolate and/or quarantine patients at home. Using the call center, patients would be contacted at home and their health status monitored. About 230 people participated, acting as "patients."

The following month, the OPHP conducted a full-scale exercise to test the health district's ability to mobilize staff to an outside location, and to train staff to set up multiple



## What do puppets and flu prevention have in common?

### You might be surprised.

This year's annual flu campaign had an unlikely spokesperson. . . or rather, spokesperson.

The Southern Nevada Health District's 2007 prevention campaign really "socked" it to the flu with English and Spanish television commercials and newspaper advertisements featuring ethnically diverse sock puppets heeding the advice of a Muppet-like doctor who explained the basic steps to prevent the spread of influenza. The puppets also made guest appearances during news coverage and the taping of the health district's television show.

"The campaign received many positive comments and appealed to all ages," said Jennifer Sizemore, public information manager.

points of dispensing. Approximately 135 staff members and community partners participated.

OPHP staff works with several agencies that provide services to people with disabilities to ensure the special needs population in Nevada is well represented in local and statewide emergency planning.

Throughout the course of the year, the OPHP collaborates with many agencies to ensure plans and exercises are well represented. Partners include all local hospitals, the Clark County Office of Emergency Management, emergency managers from the cities of Henderson, North Las Vegas, Las Vegas and Boulder City, the Department of Homeland Security, the FBI, as well as local police, fire and emergency medical services agencies.

### **MEDICAL RESERVE CORPS**

The OPHP also oversees the Medical Reserve Corps (MRC). The MRC utilizes pre-identified medical, veterinary and citizen volunteers who are willing to donate their time and expertise to support public health initiatives and prepare for and respond to local emergencies. MRC volunteers provide vital services in an emergency such as assisting with triage and medical care at health district points of dispensing.

The growing veterinary component of the MRC develops and supports preparedness plans to shelter and evacuate companion animals during large-scale emergencies. Last year, members worked with the Nevada Veterinary Medical Association to host an animal emergency disaster preparedness training, which included a hands-on wet lab.

Currently, there are 230 members of the Medical Reserve Corps.



# **Southern Nevada Public Health Laboratory**

The Southern Nevada Public Health Laboratory (SNPHL) is jointly operated by the Southern Nevada Health District and the University of Nevada School of Medicine. SNPHL and the Nevada State Health Laboratory in Reno make up the Nevada State Public Health Laboratory System. The laboratory enhances the public health surveillance capabilities of the district and its ability to identify potential health hazards.

SNPHL is licensed by the State of Nevada to perform moderate and high complexity clinical testing and is registered with the Laboratory Response Network (LRN). The LRN was formed in 1999 by the CDC, the Association of Public Health Laboratories and the FBI to aid laboratories in preparing and responding to acts of bioterrorism. In December 2006, SNPHL was recertified by the CDC to participate in the LRN.

In 2007, SNPHL continued to expand its in-house courier system for transporting reportable disease isolates from local laboratories and clinics. SNPHL provided 5,441 courier services during 2007 compared to 4,952 services in 2006.

The reportable disease isolates received at SNPHL are further characterized with additional testing. Results are then reported to the CDC through the Public Health Laboratory Information System. In 2007, staff analyzed and reported 550 isolates, and participated in 42 epidemiological investigations. In 2006, staff analyzed 366 isolates and participated in 22 investigations. The increase in testing resulted from outreach performed by SNPHL staff to local laboratories, as well as staff participation on the health district's outbreak investigation team.

In addition to testing activities, lab staff conducts ongoing training activities and coordination with local first responders regarding the collection of samples for testing of suspected biological agents. Additional training is provided to local laboratories regarding isolation and reporting of pathogenic biological agents.





# ENVIRONMENTAL HEALTH



# ENVIRONMENTAL HEALTH

The programs of the Environmental Health Division are designed to identify and sustain environmental conditions that promote public health through proper sanitation, safe food, proper disposal of waste and toxic materials, and the management of public health hazards in the environment. As the county's Solid Waste Management Authority, the health district provides regulatory oversight of all permitted solid waste disposal facilities and recycling centers.

## **Inspection and Plan Review Programs**

### **CHILD CARE AND NURSERY FACILITIES**

The 546 permitted child care facilities are regularly inspected to ensure compliance with health, sanitation and safety regulations.

- Routine child care inspections: 894
- Child care plan reviews: 18
- New child care permits issued or amended: 14

### **FOOD AND BEVERAGE ESTABLISHMENTS**

Environmental health specialists inspect the county's approximate 16,000 permitted food establishments a minimum of once a year as required by state law.

- Routine inspections: 28,886
- Special event inspections: 3,609
- Complaint-driven inspections: 2,939
- Mobile vendor inspections: 823

Plans for new construction and remodeling of food establishments are submitted for approval to the Environmental Health Division.

- Food establishment plan reviews: 2,071
- New food establishment permits issued or amended: 2,711

## **INSTITUTIONS**

The Institutional Inspection Program inspects more than 451 permitted facilities, which include public, private and charter schools, local correctional facilities, summer camps and children's homes.

- Routine school inspections: 840
- School plan review: 55
- New school permits issued or amended: 71
- Routine correctional facility inspections: 12
- Correctional facility plan review: 0
- Routine summer camps and children's home inspections: 13

## **PUBLIC ACCOMMODATIONS AND DRY CAMPING FACILITIES**

Hotels and motels are inspected at least once a year to ensure rooms are clean, the furniture is in good repair, no insects or vermin are present, rooms are equipped with proper ventilation, fire alarms are present and linens are clean.

In 2007, there were 348 permitted hotels and motels in Clark County, with a total of 141,034 rental rooms. Additionally, there were 161 permitted mobile home and RV parks with a total of 23,535 rental spaces.

- Routine hotel and motel inspections: 389
- Public accommodation facility plan review: 10
- New public accommodation facility permits issued: 14
- Routine mobile home and RV park inspections: 185

## **PUBLIC SWIMMING POOLS AND SPAS**

State law requires the 4,423 public swimming pools and spas located at public parks, apartment complexes, hotels, RV parks, homeowner's associations and sports complexes be inspected annually to ensure proper operation.

- Routine pool and spa inspections: 5,438

Plans for public swimming pools and spas are submitted by architects, engineers and contractors for review. Final construction inspections are conducted to ensure adherence to statewide regulations. Preliminary inspections and progress checks are conducted in conjunction with the overall approval process. Additionally, the





# WEBfriendly

- Access NCI AA complaint form
- Report illegal dumping, green pools, mosquitoes and stagnant water
- Access regulations, forms, applications, checklists and fee schedules for regulated businesses and individuals

[www.SouthernNevadaHealthDistrict.org](http://www.SouthernNevadaHealthDistrict.org)

Environmental Health Division issues new and renewal certifications for pool companies, operators, technicians and technician apprentices.

- Public bathing facility plan reviews: 290
- New public bathing facility permits issued or amended: 501

## SEPTIC SYSTEMS

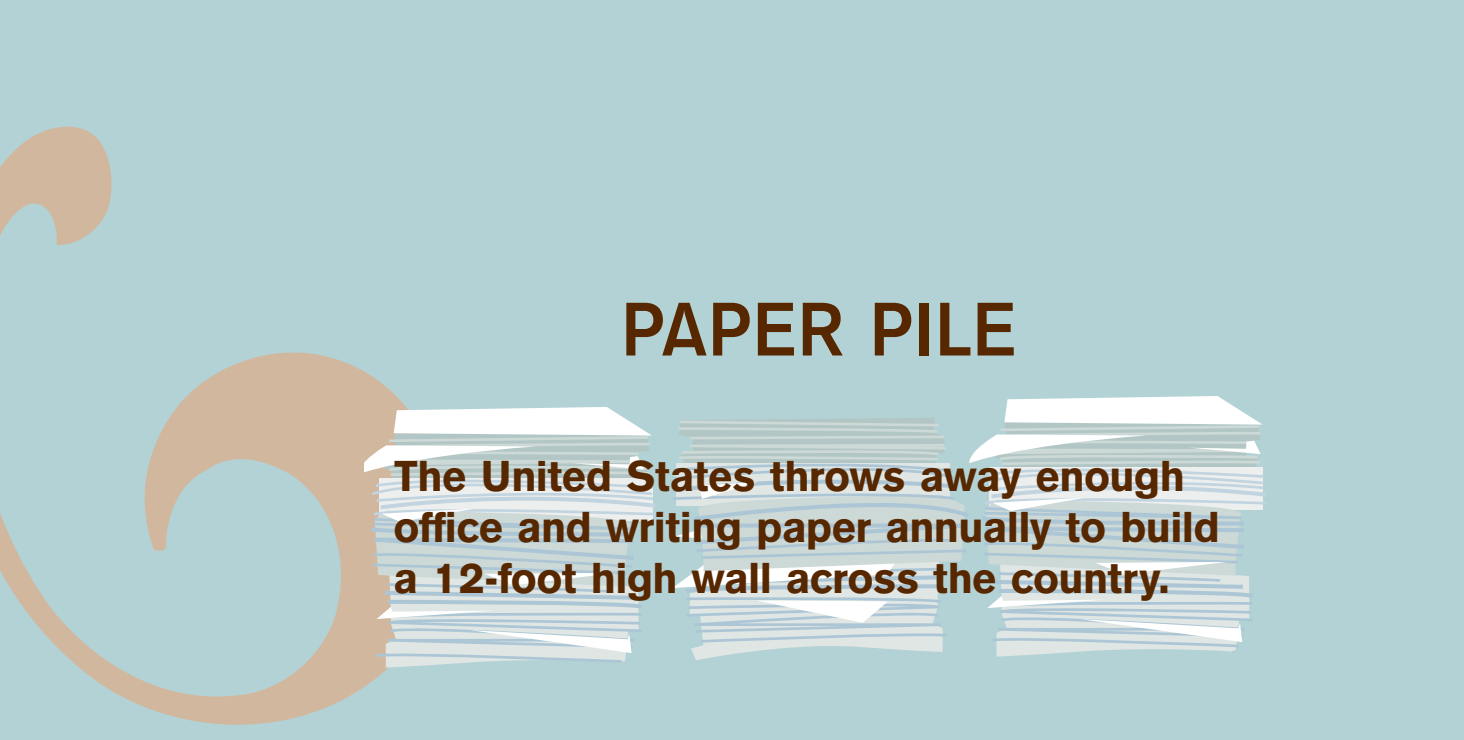
In areas where public sewers are not available, individual sewage disposal systems provide the functions of both sewer collection and treatment plant. Staff provides onsite wastewater system plan reviews, permitting and inspections for these systems.

- Parcel maps reviewed: 276
- Septic systems permitted: 330
- Loan certificates issued: 50
- Liquid waste pumping/hauling companies permitted: 35
- Pumping/hauling trucks permitted: 126

## PERMITTED SOLID WASTE DISPOSAL FACILITIES

The Permitted Disposal Facilities (PDF) program staff conducts inspections with varying frequencies each calendar year on all permitted disposal sites in Clark County. In addition, PDF staff investigates unpermitted solid waste handling

# PAPER PILE



**The United States throws away enough office and writing paper annually to build a 12-foot high wall across the country.**

facilities, follow-up on rejected load reports and issue waste asbestos transport permits.

Permitted disposal facilities in Clark County:

- Landfills: 9, with 1 application
- Transfer stations: 5, with 3 applications
- Public waste storage bin facilities: 3, with 4 applications
- Convenience centers: 3, with 1 application
- Material recovery facilities: 4, with 6 applications
- Recycling centers: 11, with 6 applications
- Waste tire management facility: 0
- Waste tire hauler: 1
- Compost facility: 1, with 2 applications
- Construction and demolition waste short-term storage facilities: 0, with 1 application
- Waste asbestos transportation permits issued: 382
- Rejected load reports: 229
- Business license applications: 254

# 2007 Clark County Recycling Report

(Quantities reported in number of tons)

RECYCLED MUNICIPAL SOLID WASTE (MSW)	2006	2007	% Change
<b>Annual Recycling Rate</b>	<b>15.38%</b>	<b>19.38%</b>	
<b>Paper</b> Corrugated cardboard, newspaper, office paper, magazines, telephone books, mixed paper, other paper	171,751.37	165,877.46	-3.42%
<b>Metals</b> Aluminum containers, tin/steel containers, ferrous scrap metals, non-ferrous scrap metals, appliances (white goods), mixed metal	245,210.90	337,947.39	8.57%
<b>Plastic</b> Plastic (PET), plastic (HDPE), mixed plastic, plastic film, polystyrene, other (PVC, LDPE, PP)	4,261.01	12,155.47	181.56%
<b>Glass</b> Clear, green, amber/brown, mixed glass, other glass	4,036.00	3,303.00	-18.16%
<b>Organic Material</b> Yard debris, food waste, biosolids, restaurant grease, rendered animal matter, pallets/wood	42,013.35	76,642.22	82.00%
<b>Special Waste</b> Used tires, paint, fluorescent bulbs, lamp ballasts, mercury devices and waste, household hazardous waste	2,882.92	3,431.90	19.00%
<b>Textiles</b> Textiles, carpet	660.82	1,255.76	-47.00%
<b>Other Recycled MSW</b> Toner cartridges, cell phones, filters, transformers and electrical equipment, computer e-waste	153.51	72.00	-53.00%
<b>TOTAL RECYCLED MUNICIPAL SOLID WASTE</b>	<b>471,621.02</b>	<b>600,090.26</b>	<b>6.37%</b>
<b>CONSTRUCTION &amp; DEMOLITION DEBRIS (C&amp;D)</b>			
<b>Construction &amp; Demolition Debris</b> Asphalt, concrete, carpet, carpet padding, drywall, wood, plastic buckets	21,298.67	1,620.48	-92.00%
<b>CONSTRUCTION &amp; DEMOLITION DEBRIS TOTAL</b>	<b>21,298.67</b>	<b>1,620.48</b>	<b>-92.00%</b>
<b>RECYCLED MSW AND C&amp;D GRAND TOTAL</b>	<b>492,919.69</b>	<b>601,710.74</b>	
Total MSW disposed of in the municipality:	2,595,685.00	2,496,672.00	
Total MSW generated in municipality:	3,088,604.69	3,098,382.74	

## **TATTOO, PERMANENT MAKEUP AND BODY PIERCING**

Health district regulations require operators at tattoo, permanent makeup and body piercing establishments to receive vaccinations for hepatitis A and B, and to complete courses on preventing disease transmission, first aid and CPR. In 2007, 135 establishments were licensed in Clark County.

- Tattoo, permanent make-up and body piercing establishment inspections: 320

## **UNDERGROUND STORAGE TANKS**

Staff conducts annual Environmental Protection Agency compliance inspections of underground storage tanks (USTs) for Nevada Department of Environmental Protection (NDEP). This program inspects the installation of USTs, repairs, upgrades and suspected leaks.

- Active UST facilities in Clark County: 778
- New USTs and status changes: 70
- Permanent closures: 28
- Plan reviews and final inspections conducted: 49
- Facilities reported to NDEP for formal enforcement: 1
- Closure inspections and site assessments: 28
- Contaminated sites: 4

## **USED MATTRESSES, BEDDING AND UPHOLSTERED FURNITURE**

In October 2007, the Southern Nevada District Board of Health passed new regulations governing the sale and disposal of used mattresses, bedding and upholstered furniture. *(See story on page 50.)*

## **Other Programs**

### **CHILDHOOD LEAD POISONING PREVENTION PROGRAM**

The Centers for Disease Control (CDC) grant funded Childhood Lead Poisoning Prevention Program (CLPPP) is administered through the Special Programs section of the Environmental Health Division. The CLPPP is a partnership of several community agencies working to eliminate lead exposure in children.

## **New regulations established for used bedding and furniture**

On Oct. 25, 2007, the Southern Nevada District Board of Health District passed “Regulations Governing the Sanitation and Safety of Used Mattresses, Bedding, and Upholstered Furniture” to provide a local regulatory update to the Nevada Revised Statutes.

The new regulations ensure the public’s protection by establishing preventive measures and timely correction of health and environmental issues related to used mattresses, bedding and upholstered furniture, as well as the facilities that receive, disassemble, sanitize, refurbish, store or distribute them.

The regulations also clarify and update the requirements of used mattress refurbishing facilities by setting standards for construction and operation. They list items prohibited from reuse or refurbishment, clarify approved sanitizing processes, list acceptable materials for rebuilding used articles, and outline record-keeping requirements, inspection and enforcement processes. They also include a system for businesses in other jurisdictions that process articles to sell in Southern Nevada through approval by reciprocity.

## **ILLEGAL DUMPING INVESTIGATIONS AND ENFORCEMENT**

The Solid Waste and Compliance section of the Environmental Health Division enforces regulations pertaining to proper handling and disposal of solid waste. The section investigates all complaints of illegal dumping in Clark County.

- Illegal dumping complaints received: 1,604
- Cases presented to the hearing officer for adjudication: 242
- Penalties assessed for illegal dumping by the hearing officer: \$633,878

## **PUBLIC WATER SYSTEMS**

The health district works with the Nevada State Health Division to administer the Safe Drinking Water Program in Clark County. Public water systems are permitted by the state health division, and monitored and inspected locally by health district staff.

- Public ground water systems monitored: 88

## **SUBDIVISION REVIEW**

Staff maintains a geographical information system (GIS) database and reviews every tentative map, final map and improvement plan package submitted for subdivisions.

Plans are reviewed with regard to sewage disposal, water pollution, water quality and water supply facilities.

- Maps reviewed: 892
- Maps approved: 373
- Units/lots approved: 19,586

### **TARGET SECTOR INSPECTION**

Target Sector Inspections (TSI) are conducted through an interlocal contract with NDEP. The TSI program audits small quantity generators of hazardous waste and specific businesses identified by the NDEP to ensure proper handling and reporting.

- Target Sector Inspections: 313

### **VECTOR CONTROL**

Vector control staff conducts surveillance, control and public education of animal diseases communicable to humans: rabies, plague, hantavirus, West Nile virus (WNV), Western Equine Encephalitis (WEE) and St. Louis Encephalitis (STE). Staff maintains a GIS database on disease distribution and control activities.

- Responses to citizen generated complaints of stagnant swimming pools: 1,624
- Routinely treated natural mosquito breeding areas: 170
- Mosquitoes submitted for WNV, WEE, STE analysis; 25,698; 247 positive for WNV
- Bird samples submitted WNV, WEE, STE analysis; 17; 0 positive.
- Animal samples submitted for rabies analysis; 123; 4 bats positive
- Rodent samples submitted for hantavirus analysis; 48; 0 positive
- Rodent and flea samples submitted for plague analysis: 59; 0 positive

### **WASTE MANAGEMENT AUDITS**

Waste management audit inspections ensure area businesses manage waste properly to protect public health and the environment.

- Waste management audits: 1,959









PUBLIC HEALTH  
HEROES



# *public health* **HEROES**

Public Health Hero Awards are presented each year as a part of the Southern Nevada Health District's celebration of National Public Health Week in order to honor individuals and organizations whose extraordinary contributions protect and promote health in our community.



Photo by Andrea Waller

## **Mary Jo Foreman, Sunrise Hospital**

Mary Jo Foreman was nominated for her work in identifying and reporting community acquired illnesses, even those not reportable to the State of Nevada. Her proactive reporting activities assist the health district in its efforts to identify illnesses and control outbreaks in the community.

She also served as chairperson of the Nevadans for Antibiotic Awareness Infection Control/Surveillance subcommittee. Her support of public health programs is an important asset to the health district and a valuable service to the community.



Photo by Andrea Waller

## **Chris Moore and Theresa LeBlanc Moore, Valley Hospital**

Chris Moore and Theresa LeBlanc Moore are a team nominated by the health district's Office of Chronic Disease Prevention and Health Promotion. Both are Valley Hospital nurses and are recognized for their volunteer work in diabetes education. They are Southern Nevada's only master trainers for the Chronic Disease Self-Management Program, which was developed by Stanford University in 1999. The Moores also serve as facilitators for the Adult Diabetes Education and Management Support Group, which meets monthly to share information and resources to help those with diabetes better manage their chronic illness.

Recently, they created an online weekly podcast that features diabetes experts and information about diabetes management and control. Their personal and professional dedication to this issue makes them vital public health resources and partners.



Photo by Andrea Waller

## **University Medical Center Information Services Department**

University Medical Center's (UMC) Information Services Department earned the Public Health Heroes award for its work in the development of several public health systems. Nominated by the Office of Epidemiology, UMC was noted as the first hospital in Clark County to provide specific data that allows the health district's disease investigators to obtain near real-time information that increases the capacity to identify and track outbreaks in the community.

In addition, the UMC Information Systems Department earned kudos as a pioneer in providing data to the health district on patterns of antibiotic resistance in Southern Nevada. The innovative efforts of this department make it an integral public health partner.



The background is a solid dark brown color. It is decorated with large, stylized, swirling patterns in a lighter tan or beige color. These patterns are reminiscent of Art Deco or mid-century modern motifs. A large, white, serif capital letter 'D' is positioned on the left side, partially overlapping the swirling patterns. The word 'DIRECTORY' is written in a white, serif, all-caps font, starting from the right side of the 'D' and extending towards the right edge of the page.

# DIRECTORY





# DIRECTORY

## GENERAL INFORMATION

Main Number . . . . .	759-1000
Emergency Hotline . . . . .	759-INFO
Website . . . . .	<a href="http://www.SouthernNevadaHealthDistrict.org">www.SouthernNevadaHealthDistrict.org</a>

## ADMINISTRATION

Administrative Services . . . . .	759-1204
Chief Health Officer . . . . .	759-1201
Health Cards . . . . .	759-1099
Human Resources . . . . .	759-1101
Public Information Office . . . . .	759-1390
Salud en Acción . . . . .	759-0846
Vital Records . . . . .	759-1010
Volunteer Services . . . . .	759-0881

## CLINIC & NURSING SERVICES

Administrative Office . . . . .	759-1301
Airport Clinic . . . . .	261-5620
Courthouse Clinic . . . . .	671-4510
East Las Vegas Clinic . . . . .	759-0900
Henderson Clinic . . . . .	759-1040
HIV/AIDS . . . . .	759-0702
Immunizations . . . . .	759-0850
Laboratory . . . . .	759-1317
North Las Vegas Clinic . . . . .	759-0700
Perinatal Hepatitis B . . . . .	759-0858

Spring Valley Clinic . . . . .	759-0701
STD Clinic . . . . .	759-0705
TB Treatment & Control . . . . .	759-1369
Workplace Vaccination Program . . . . .	759-0878

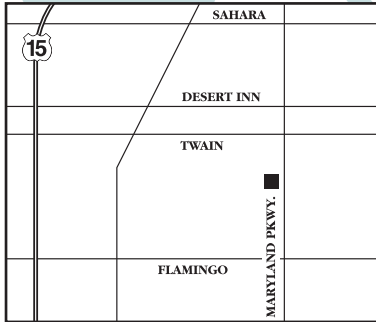
**COMMUNITY HEALTH**

Chronic Disease Prevention & Health Promotion . . . . .	759-1270
Emergency Medical Services . . . . .	759-1050
Epidemiology . . . . .	759-1300
Public Health Preparedness . . . . .	759-1211
Southern Nevada Public Health Laboratory . . . . .	759-1020

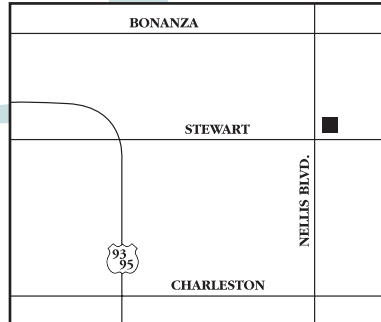
**ENVIRONMENTAL HEALTH**

Administrative Office . . . . .	759-0588
East Las Vegas . . . . .	759-0620
Engineering . . . . .	759-0661
Henderson . . . . .	759-0501
Information and Complaints . . . . .	759-0588
Mosquito Control Hotline . . . . .	759-1220
North Las Vegas . . . . .	759-0502
Plan Review . . . . .	759-1258
Septic Tanks . . . . .	759-0660
Solid Waste Management . . . . .	759-0600
Spring Valley . . . . .	759-0503
Subdivisions . . . . .	759-0661
Swimming Pools . . . . .	759-0571
Tattoo/Body Piercing . . . . .	759-0677
UST Program . . . . .	759-0603
Water Systems . . . . .	759-0608

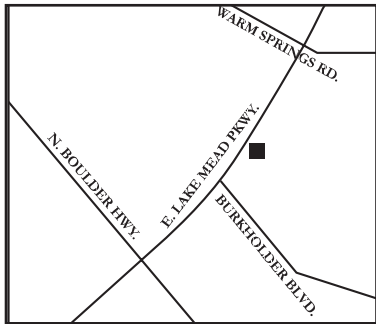
# Locations



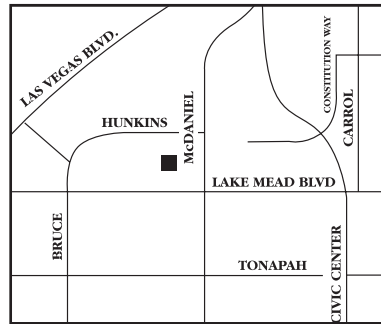
**CAMBRIDGE COMMUNITY  
OUTREACH CENTER**  
3900 Cambridge St., Ste. 101  
732-1781



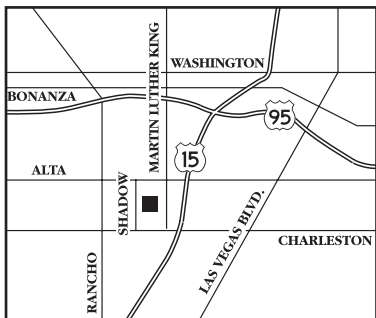
**EAST LAS VEGAS  
PUBLIC HEALTH CENTER**  
560 Nellis Blvd., Ste. E-12  
759-0900



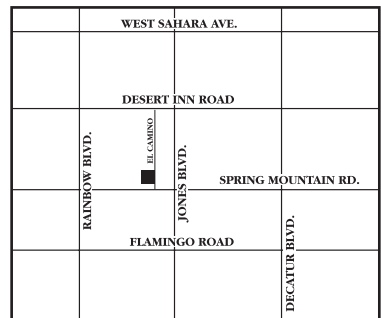
**HENDERSON  
PUBLIC HEALTH CENTER**  
520 E. Lake Mead Pkwy.  
759-1040



**NORTH LAS VEGAS  
PUBLIC HEALTH CENTER**  
1820 E. Lake Mead Blvd., Ste. F  
759-0700



**RAVENHOLT  
PUBLIC HEALTH CENTER**  
625 Shadow Ln.  
759-1000



**SPRING MOUNTAIN  
PUBLIC HEALTH CENTER**  
6330 Spring Mountain Rd., Ste. C  
759-0701



2007 Southern Nevada District Board of Health

Lawrence K. Sands, DO, MPH ~ Chief Health Officer

Rory Chetelat ~ Acting Director, Community Health  
Glenn Savage ~ Director, Environmental Health  
Bonnie Sorenson ~ Director, Clinics & Nursing  
Mike Walsh ~ Director, Administration

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