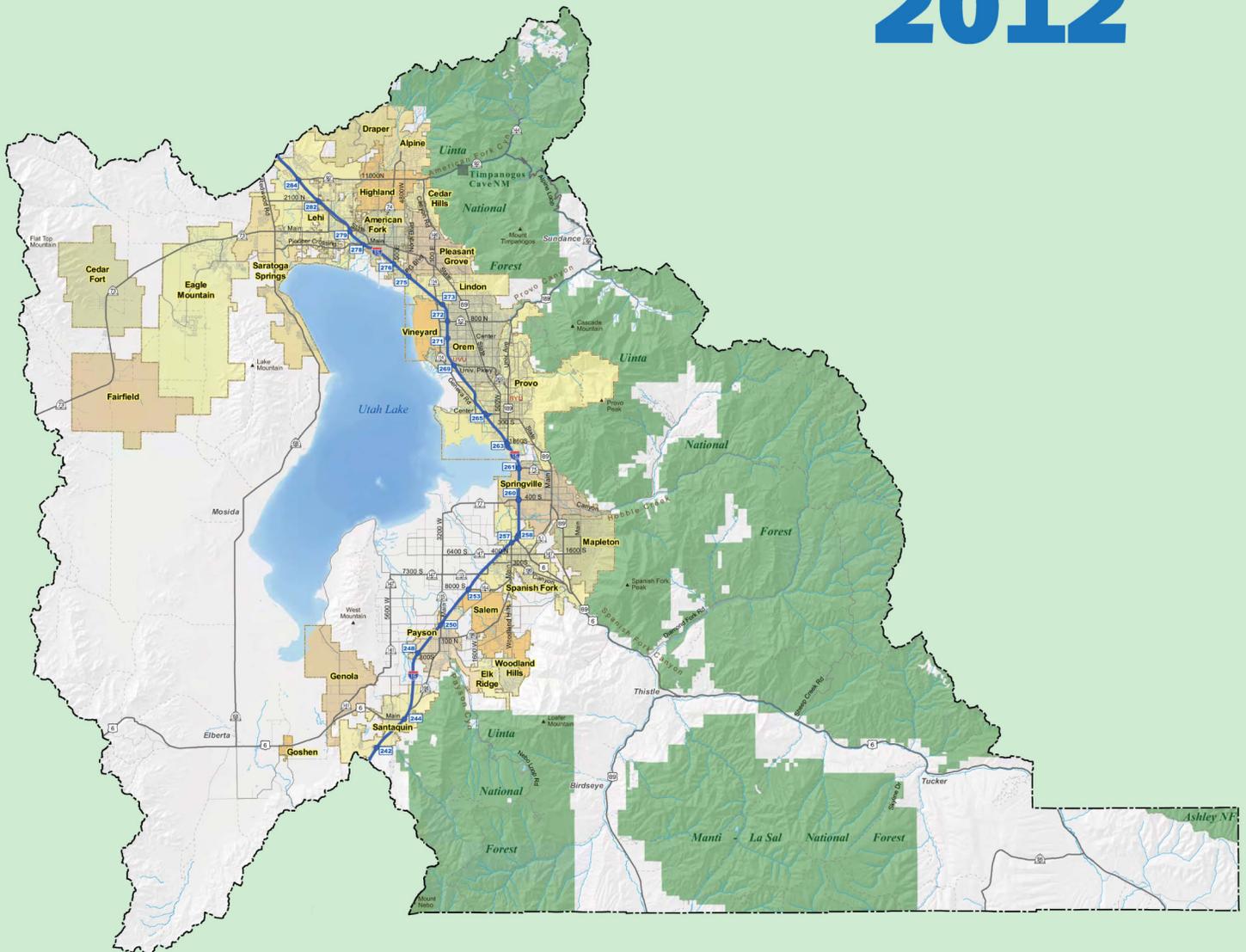




utah county
health department
"creating healthy communities"

Annual Report

2012



From the Executive Director and Board of Health

Dear Utah County Residents and Community Leaders,

Utah County residents continue to be one of the healthiest populations in the entire United States of America. This is evidenced by our very low infant mortality rate of 4 per 1000 live births and by our relatively low rates of heart disease, cancer and strokes which are very common causes of death.

Since almost 40 percent of our county population lives north of the Provo-Orem area, we opened an American Fork Health Department Office so people no longer have to drive to Provo for the following services:

- Birth and death certificates
- Immunizations for children, adults, and travel
- Daycare facility application/inspection requests
- Food establishment permits
- Food handler renewal/replacement permits
- Mass gathering permits
- Radon / Meth test kits
- Tuberculosis testing
- Water Sample pick-up
- Car and booster seat checks

A Centers for Disease Control and Prevention grant helped the UCHD offer many school-based Community Immunization Clinics throughout Utah County. To date, the UCHD has held 61 school clinics, administering 6,073 vaccinations to protect 5,111 adults and children against such disease as whooping cough, measles, pneumonia and the flu.

Influenza hit Utah County hard in December, causing high absenteeism and several deaths in relatively young healthy people. Whooping Cough (Pertussis) attacked several hundred Utah County residents and was especially dangerous for children. Baby Your Baby served its 30,000th high-risk mother early in 2012.

The prescription medication discount card program through Coast2Coast helped residents obtain significant cost discounts on medications. In 2012 the cards were used on 17,425 prescriptions in Utah County. The card yielded a savings of \$1,298,281.00 an average discount of 70.1% below what would be required to be paid without the card. Anyone can use the Coast2Coast cards which are available at most pharmacies, online at Coast2Coastrx.com or by calling 1-800-931-8872.

Social media following continues to expand on Facebook, Pinterest, Twitter, Google+, Flickr, LinkedIn, and YouTube.

This coming year we would like to see the School-based Community Immunization Clinics become self-sustaining. We plan to fully implement a Customer Service Satisfaction Program and make more services available on-line.

We appreciate the support of our County Commission, other community leaders, involved citizens and our outstanding employees.

Sincerely,
Joseph K. Miner, M.D., M.S.P.H., Executive Director

Utah County Board of Health

Doug Witney, Chair
Utah County Commissioner

Clyde Nielsen, RPh, Vice-Chair
Pharmacist

Dianne C. Carr, RD, CD
Nutritionist

Diane Lohner
*Parent, PTA and community
representative*

Gaye L. Ray, RN, MS, FNP
*Brigham Young University, College
of Nursing Professor*

Jim Dain
Llndon City Mayor

Viola Ramos, MRC
Vocational Rehabilitation Councilor

Henry M. Yeates, MD
Allergy/Asthma Physician

Vernon Henshaw, EdD
Alpine School District Superintendent

Friends of Public Health

As part of National Public Health Week, the Utah County Health Department and Board of Health honors one individual and one organization for their efforts and dedication to the health and welfare of the citizens of Utah County. This year, they are honoring **Beth Luthy** and **Mountainland Head Start**.

For over 40 years **Mountainland Head Start** has been providing an outstanding preschool experience for several hundred at risk children in many locations in Utah County. They are currently serving families of about 800 children, many of whom have developmental disabilities. The Head Start Program includes comprehensive evaluation of the children's physical and mental health which includes medical and dental exams, lab testing, immunizations, fluoride supplements, speech and hearing screenings, and nutritional and social behavior evaluations. A parents' Policy Council helps oversee the preschool activities and thousands of parent volunteer hours within the schools. Teachers from the classrooms also make home visits to the children's homes to understand their home environment and to encourage parent involvement in their children's development and education.



For nearly five years beginning in 1979 Head Start administered the Women's Infants and Children's (WIC) public health nutrition services to Utah County families. After Head Start demonstrated the cost effectiveness of this very successful public health nutrition program it was transferred to the programs within the UCHD.



The tremendous success of childhood immunizations over the past 60 years or so has created a challenge for Public Health. Since the horrible consequences of vaccine preventable diseases are rarely seen anymore it is difficult to convince young parents today that immunizations still are extremely important in protecting not only the health of their own children but also very importantly the health of everyone else's children around them. One of our most enthusiastic advocates for keeping young parents motivated to get their children fully immunized is **Dr. Beth Luthy**.

Dr. Luthy, a professor of nursing at Brigham Young University, started her career as a Public Health Nurse at the UCHD. As she left to pursue her Master and Doctorate Degrees in nursing she has not forgotten her public health roots. She has made it an important part of her research and mission to understand what motivates parents to immunize their children and then implement strategies which keep parents immunizing their children. Dr. Luthy has published research on this subject and for several years chaired our Utah County Childhood Immunization Coalition of representatives from throughout the County who are working to keep our children safe from these deadly vaccine preventable diseases.

"Often a large part of public health in our communities is done by individuals and agencies who are not part of the public health department," said Dr. Joseph Miner, UCHD executive director. "These are our local partners who are dedicated to improving the health of our communities. Dr. Luthy and Mountainland Head Start represent some of the best among these partners."

Health Department Revenues/Expenditures

Total Budget for 2012 was \$16,914,645, not including \$7,500,000 in non-cash WIC Food Vouchers.

Revenue Sources

Contracts/grants	\$4,699,994	27.7%
Fees	7,142,418	42.1%
Taxes	3,211,701	18.9%
Fund balances interest/other	1,910,532	11.3%

TOTAL \$16,964,645

Expenditures

Personnel costs	\$11,660,391	68.7%
Operating costs	5,218,092	30.8%
Capital costs	86,162	0.5%

TOTAL \$16,964,645

Vital Records

The Utah County Health Department Office of Vital Records is responsible for the registration of all births and deaths occurring in Utah County. Birth and death records are monitored for conditions which require investigation by the Health Department. In 2012, the total initial death certificates issued was 2,613.

In 2012, we opened an additional office in American Fork where we offer full services to the public in the north county area. It has been a great success and we look forward to growing quickly as the word spreads of our presence there.

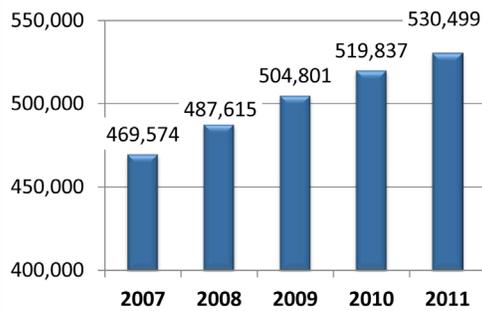
Vital Records

Goal:

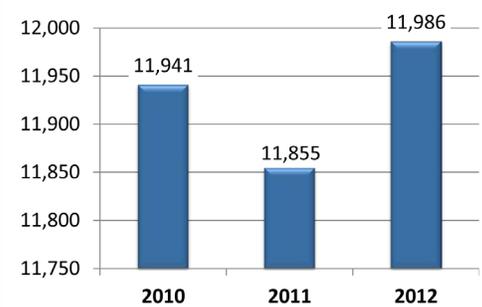
To offer our services to the south area of the county possibly joining with WIC in Payson.

Programing for online ordering of birth and death records made available to the public.

Population



Number of Total Births



Location of Birth	2010	2011	2012
Home	201	225	304
Facility	11,740	11,630	11,682

Birth Rate

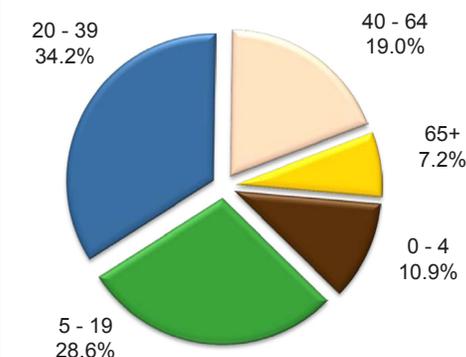
Per 1,000 population

Utah County	22.4
Utah	18.2
U.S.	12.7

Percent of Low Birth Weight

Utah County	5.7
Utah	6.8
U.S.	10.8

Population by Age Category



Deaths of County Residents

Total Number	
2012	2,089
2011	2,023
Fetal Deaths	
2012	57
2011	57

Infant Mortality Rate

Per 1,000 live births

Utah County	4.5
Utah	5.2
United States	6.2

Total Years Life Lost Prior to Age 75

Per 100,000 population

Utah County	4,855
Utah	5,869
United States	9,571

Leading Causes of Death

Leading Causes of Death	Numbers of Individuals
Heart Disease/Stroke	564
Cancers	360
Unintentional Injuries	143
Diabetes Mellitus	86
Suicide	72
Alzheimer's Disease	64
Chronic Lung Disease	64
Birth Complications/Defects	56
Kidney Disease	48
Parkinson's Disease	36
Pneumonia/Influenza	32
Chronic Liver Disease/Cirrhosis	21

Traumatic Death

Traumatic Death	2011
Poisoning*	94
Firearms	39
Falls	32
Motor Vehicle	32
Suffocation	26
Undetermined	35
Homicides	2

* Including drug related. Over half of all suicides involve drugs and/or alcohol.



New North Utah County offices of the UCHD

Environmental Health

The Bureau of Environmental Health Services is responsible for the enforcement of rules governing things such as on-site wastewater systems, food service, public pools and drinking water. The Division of Environmental Health performs a variety of facility inspections and responds to citizen complaints. While other areas have been affected by the economic downturn, the food service industry continues to be very active.

We are experiencing an ownership turnover of approximately five food establishments a week plus an average of two new establishment plan reviews a week.

Compliance with the requirement of having all food service workers obtain a current food handlers permit has greatly improved with the implementation of an approved online food handler course.

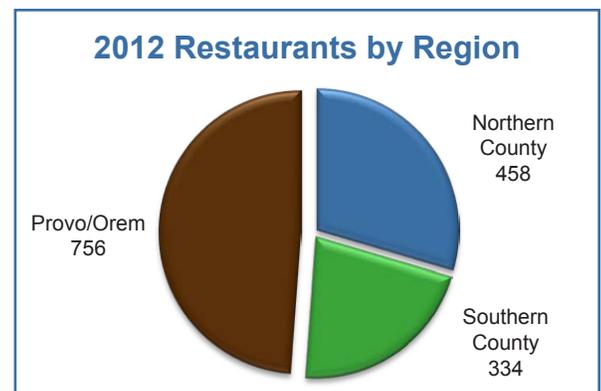
The selling of food at special events and celebrations such as Fourth of July, city celebrations and athletic events is quite common. Vendors must first obtain a Temporary Food



Permit from UCHD. These temporary food facilities create unique challenges for food safety. Vendors must complete an application which includes a menu and then discuss safe food handling procedures with UCHD prior to issuing a permit. As the number of events, restaurants, pools, schools, and other facilities have increased with the population, the UCHD has been able to increase efficiency with the use of technology and cross-training, and not needed to increase staff. This allows us to increase the services we provide without having to increase staff or costs.

The Utah County Health Department (UCHD) now also posts the results of inspections at local eating establishments on the web for review by citizens. Interested individuals can go to www.UtahCountyHealth.org and follow the link "restaurant inspection search."

Number of Environmental Health Permits / Approvals	2009	2010	2011	2012
Food Establishments	1,501	1,509	1,564	1,526
Food Establishments with new owners	248	276	256	264
New Food Establishment Plan Reviews	90	96	105	110
Temporary Food Permits Issued	881	776	781	812
Mass Gathering Permits	14	22	17	17
Public Pools/Splash Pads Permitted	335	352	352	362
Pool Plan Reviews	8	9	6	15
Body Art (Tattoo, piercing, permanent cosmetics, etc.) Facilities Licensed	37	43	25	24
Tanning Facilities Licensed	78	82	37	33
Motor Vehicle Inspection Stations Permitted	182	186	187	202
Motor Vehicle Inspection Technicians Licensed	539	554	625	627
Sanitation Complaints	226	227	270	272
New Septic Tank Permits	63	75	60	60
Underground Storage Tanks Inspected*	84	81	74	46
Used Oil Recycling Centers	84	86	84	96



* Utah Department of Environment Quality inspection regulations changed in 2012, decreasing the frequency of storage tank inspections.

Family/Personal Health Services

Clinic / Home Clients	2008	2009	2010	2011	2012
Baby Your Baby Intakes	1,378	1,513	1,359	1,111	1,034
Cholesterol Screenings	419	252	211	50	511
Family Planning Visits	587	461	452	591	265
Fluoride Prescriptions	647	401	314	326	728
General Health Exams	637	251	276	298	553
HIV Screenings	563	522	550	346	270
Immigration Exams	459	470	581	503	509
Immunizations - General	52,432	43,870	41,387	37,606	47,425
Immunizations - Seasonal Flu	18,181	18,016	15,711	10,442	14,383
Immunizations - School Personal Exemptions	1,379	1,176	1,283	1,045	1,205
Lead Screenings		86	8	8	13
Malaria Prescriptions	398	274	360	417	558
Pregnancy Tests	446	288	295	440	780
Sexually Transmitted Disease Screenings	1,348	1,261	1,286	1,129	1,083
Skin Cancer Screening (mini- grant)	435	535	498	551	555
Tuberculosis Clients on Preventive Medications	142	97	76	80	82
Tuberculosis Skin Tests	4,856	4,492	4,447	4,334	4,890
Welcome Baby - Prenatal Visits	2,756	2,703	2,558	2,518	2,659
Welcome Baby - Medicaid Visits	1,055	907	868	1,241	1,304
Welcome Baby - Teen High Risk Visits	630	373	388	313	243
Welcome Baby - Spanish Language Visits	442	310	666	764	638
Women's Cancer Screening - "BeWise Program"	1,924	1,690	1,870	1,994	2,074

Utah County School Nursing

Students Enrolled	2008	2009	2010	2011	2012
Alpine District	61,301	64,351	66,044	68,233	70,863
Nebo District	27,592	28,282	28,500	29,724	30,494
Provo District	13,665	13,603	13,376	13,896	14,648
Total Utah County Schools	102,558	106,236	107,920	111,853	116,005
School Nurse to Student Ratio					
Alpine District	1 : 5,573	1 : 5,850	1 : 6,004	1 : 6,203	1 : 5,905
Nebo District	1 : 4,088	1 : 4,190	1 : 4,222	1 : 4,403	1 : 4,518
Provo District	1 : 4,555	1 : 7,773	1 : 7,643	1 : 7,941	1 : 8,370

C. H. E. C. Child Health Evaluation & Care

A new CHEC Coordinator was hired this past year with a background in Public Health Promotion. She has used her skills to promote the services offered here at UCHD, especially children's oral health, child abuse prevention and celiac disease awareness. She contacted 1779 program participants and sent out 134 postcards reminding parents of the importance of well-child checks, immunizations, and dental hygiene. A blog was created with 24 posts including topics on immunizations, reading to children, free community events and firework safety.

The CHEC coordinator also worked with the immunizations clinic creating a blog and an immunization campaign "Vaccine Superheroes" that will be used this year.

Wanted: Superhero Kids

Protecting classmates from the Evil Villain Whooping Cough



One Vaccine at a time!

Utah County Health Department Immunizations Clinic
151 S University Ave Ste. 1900 Provo 801-851-7025



School nurses -- Utah County Health Department employees -- served 137 schools in 2012.

- 111,567 immunization records were reviewed, with 99.2% of students in compliance with state requirements.
- Student immunization exemptions were requested by parents for 4.5% of students (up from 4.3% in May, 2011).
- 65,503 students received in-school vision screening, with 1,606 receiving glasses/prescriptions.
- 17,346 students in 7th/8th grade were screened for Scoliosis, with 218 referred to their doctor for follow-up.
- School nurses taught/certified 499 school faculty and staff in American Heart Association CPR/First Aid.

Communicable Disease Reporting and Investigation

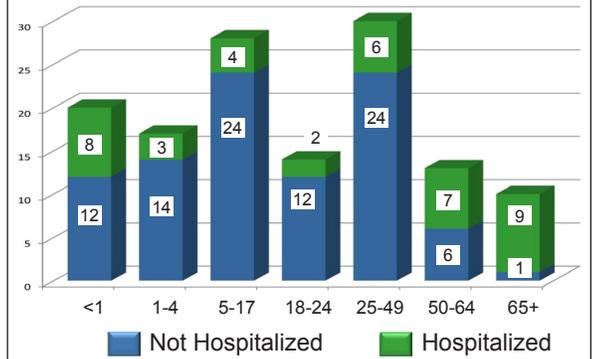
Disease	2008-2011 Average Cases	2012 Cases	2012 Rate Per 100,000
Amebiasis	1.25	1	0.2
Campylobacter	66.3*	73	13.0
Chlamydia	652.3	792	141.3
Cryptosporidium	7.5	34	6.1
e Coli O157	11.75	23	4.1
Giardia	64.75	39	7.0
Gonorrhea	18	18	3.2
Hepatitis A	0.75	1.0	0.2
Hepatitis B - acute	78	49	8.7
HIV - new cases	4.25	1	0.2
Influenza - hospitalized	89.3	149	26.5
Influenza - pediatric death	0.3	1	0.2
Meningitis - aseptic and viral	27.6	19	n/a
Meningitis/Neisseria	0.5	0	0
Pertussis	85.5	414	73.9
Salmonella	54.5	49	8.7
Shigella	6.25	3	0.5
Syphilis	6.0	10	1.8
Tuberculosis - active	2.25	3	0.5
Tularemia	0.5	0	0.0
Varicella (chicken pox)	111.8	89	15.9
West Nile Virus	0.75	0	0.0

* average does not include 2010 Saratoga Springs outbreak

2012 Most Common Enteric Diseases

1. Norovirus
2. Campylobacter
3. Salmonella
4. Giardia
5. Cryptosporidium
6. E. Coli
7. Shigella

Positive Influenza Tests Reported in 2011-2012 by Age Group



Emergency Response Planning

The Utah County Health Department would be a major partner if a disaster such as an earthquake or bio-terrorist attack were to take place in Utah. The Emergency Response Planning Team works with other emergency response organizations for such planning as all hazards preparation, medical surge response, volunteer management, and epidemiological surveillance.

Last year the UCHD partnered with state-wide agencies in several areas to address emergency preparedness issues. We participated in the 2012 Utah Shake Out, the largest earthquake drill ever planned in the U.S. We continued to be the lead agency in organizing the Utah County Medical Reserve Corp, as well as helping to coordinate the Healthcare Preparedness Coalition of Utah/Wasatch Counties. The UCHD also participates in numerous emergency training and planning activities.



Mosquito Abatement

Record mountain snow deposits provided an abundance of spring runoff creating huge numbers of mosquito habitats for Utah County in 2011. Flooding was common in most creeks, Utah Lake reached levels not seen in 20 years, breaching dikes and forcing closure of marinas and flooding much land adjacent to the lake edge.

Due to a relatively dry winter in 2012, larviciding didn't begin until late April. The lack of moisture seemed to restrict



Education of person protection are also an important prevention effort for Mosquito Abatement staff. Pictured are Utah Lake Commission Day and Orem Fest Education events.

our floodwater nuisance mosquitoes throughout the summer. There was a notable reduction of mosquitoes to the South and North part of the county. Provo Bay, where more permanent water is located, was the major source of mosquitoes throughout the summer.

Mosquito numbers began to increase significantly near the end of June and continued to build through July finally peaking the last week in July and the first week in August. Over 500 service requests for mosquito control were responded to. Air spraying also continued this year, with 90,000 acres of lake edge mosquito habitat being treated -- prime breeding area that is inaccessible from our ground treatment units.

The three species of mosquitoes that are potential vectors of West Nile Virus and live in more permanent water sources were 97% of the mosquitoes captured this year, Culex erythrothorax (12%), Culex pipiens (42%) and Culex tarsalis (41%). This has been an increase of 8% from last year emphasizing the importance of monitoring and control of these health threats.

Two mosquito pools tested positive for WNV this year, both samples were Culex pipiens. No human cases were reported in 2012.

Number of Reported Human West Nile Virus Cases and Fatalities

Year	USA Total Cases	USA Fatal Cases	Utah Total Cases	Utah Fatal Cases	Utah County Total Cases
1999	62	7			
2000	21	2			
2001	66	10			
2002	4,156	284			
2003	9,862	264	1		
2004	2,539	100	11		1
2005	3,000	119	52	1	16
2006	4,269	177	158	5*	66
2007	3,630	124	70	2	2
2008	1,356	44	26	0	1
2009	720	32	2	0	0
2010	1,021	57	2	0	0
2011	690	43	3	0	0
2012	5,387	243	5	1	0

* There have been only two fatalities in Utah County from West Nile Virus. These were in 2006.

Mosquito Abatement Goals:

- Monitor and control of mosquito populations based on trapping
- Continue with integrated pest management plan of education, water management and surveillance to reduce public health threats and have minimal environmental impact
- Provide rapid response to evaluate and reduce citizen mosquito concerns

Health Promotion

The Division of Health Promotion is dedicated to empowering communities and individuals to live active and healthy lives through promoting, maintaining and improving healthy behavior. We provide classes, workshops and technical training in the areas of cardiovascular disease prevention, injury prevention, and tobacco cessation and control. We also provide educational materials and interactive displays that can be used for health fairs, health observances and community events.

Poisoning is one of the leading causes of preventable injury deaths in the U.S. even leading motor vehicle accidents. Most of these poisonings occur at home. The Utah County Health Promotion Division partnered with the Utah Poison Control Center to help educate individuals and families at events throughout the county, including the All About Baby Expo. As prescription drug overdose deaths are the main reason for the increase in poisonings, the UCHD continues to work with the Utah County Substance Misuse and Abuse Reduction Team (SMART) to promote education, proper use and disposal of medications.

To address the growing problem concerning obesity in children, Utah County has started to implement the TOP Star program this year. TOP Star (Targeting Obesity in Preschool and Child Care Settings) is a program to help child care providers improve their nutrition and physical activity environments through self-assessment, goal-setting, workshop trainings, and technical support from Local Health Department consultants. Child care facilities can participate in the program and become endorsed providers by making positive improvements in their child care environment. Currently five child care facilities are participating impacting over 310 young children.

Living Well with Chronic Conditions Self-Management Program, an evidenced-base program developed at Stanford University is in the fourth year of implementation in Utah County. This workshop is delivered in community settings such as senior centers, churches, libraries and hospitals. People with different chronic health problems attend together. Workshops are facilitated by two trained leaders, one or both of whom are non-health professionals with a chronic disease themselves. This year eight 6-week classes were conducted at a variety of sites within Utah County with positive feedback from participants who found the program helpful and enjoyable.

Health Promotion Goal:

- To increase public participation in chronic disease and injury prevention classes
- To advocate against the introduction of flavored tobacco products in our communities



Blue Balloon - Asthma Awareness

Miss Utah USA, Kendyl Bell visited Scera Park Elementary on May 1st to promote World Asthma Awareness Day. Kendyl has asthma and created Blue Balloon Day as a way to educate people about asthma, air quality and the dangers of using tobacco. Pictured here is Ms. Bell along with members of OUTRAGE.



Cold Turkey

To honor and celebrate all those who have quit smoking, who want to quit and those who plan to never start, the UCHD

held its first "Cold Turkey" 5K in Provo, in conjunction with the Great American Smoke-out. The

5K was held to raise awareness about the dangers of smoking, and to let people know the rest stops in Utah County abiding by the Utah Indoor Clean Air Act. Frozen turkeys were given as prizes to first finishers and any race participant who has quit smoking during the Great American Smoke-out.



Women, Infants, and Children (WIC) Nutrition

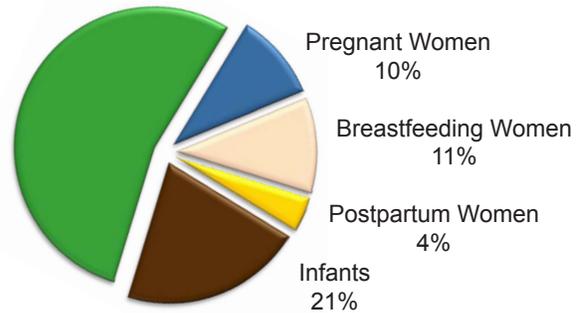
With firm commitment to safeguarding and advancing the nutrition status and health of mothers and children and to promoting breastfeeding in the U.S., the Special Supplemental Nutrition Program for Women, Infants, and Children (WIC) works within each state to improve healthcare access for low and moderate income women and children with, or at risk of developing, nutrition-related health problems, including obesity and type 2 diabetes. WIC provides nutrition assessment and education and targeted healthy foods enabling families to make lifelong healthy eating and lifestyle choices.

Clients Receiving WIC Benefits

	2008	2009	2010	2011	2012
Pregnant	1,352	1,610	1,680	1,263	1,360
Breast feeding Women	1,559	1,635	1,589	1,545	1,564
Non-BF Women	719	637	613	697	699
Breast fed Infants	1,518	1,898	1,654	1,444	1,535
Non-BF Infants	1,576	1,510	1,604	1,531	1,381
Children	6,589	7,222	7,313	7,571	7,188
Total	13,313	14,512	14,453	14,051	13,727

October, 2012
WIC Census

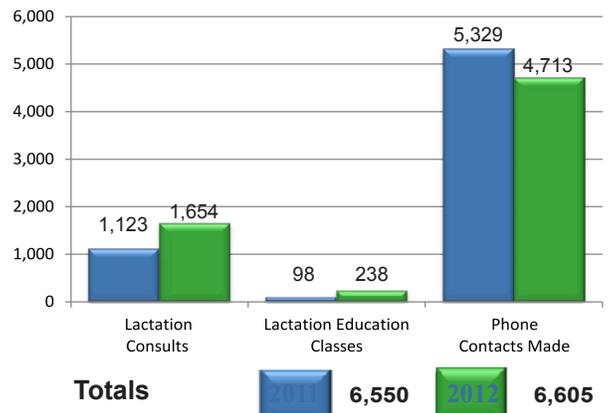
Children
54%



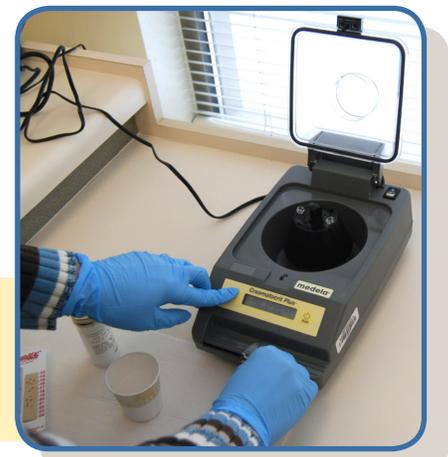
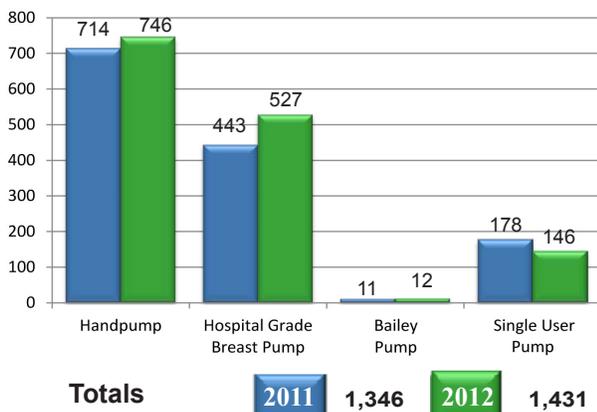
Lactation (Breast Feeding) Services

Breast feeding has been shown to be of great benefit to both mother and baby, and WIC strives to help mothers breastfeeding more and longer. WIC has been able to provide more Lactation Support Specialists, increase the number of electric breast pumps for loan, purchase single user pumps, and regularly scheduled classes.

WIC Lactation Services



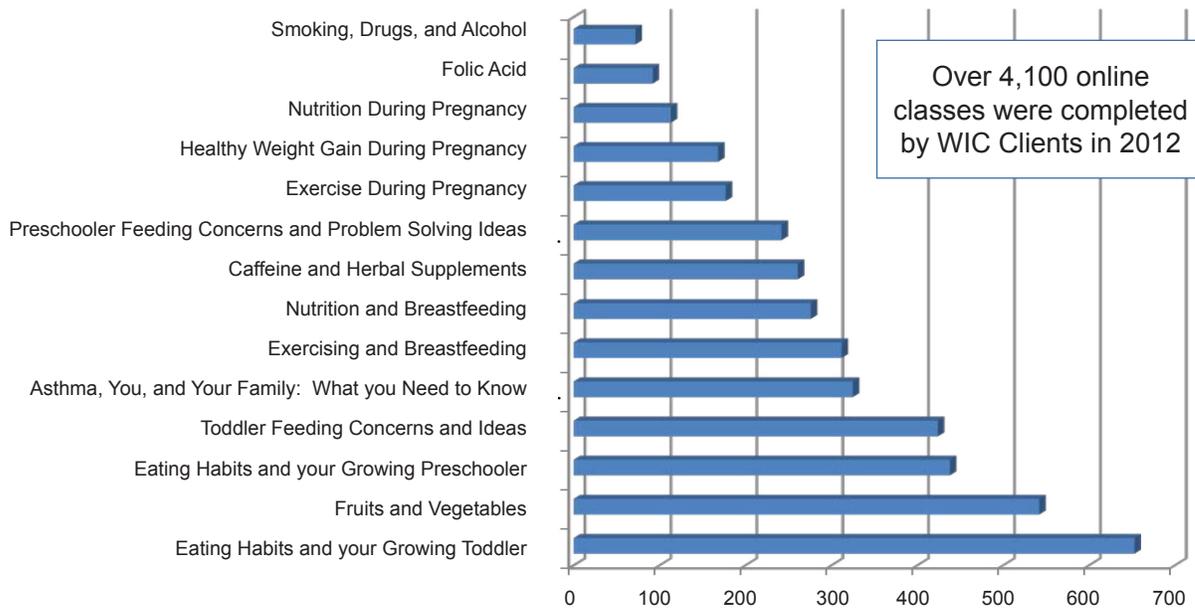
Breast Pumps Loaned and/or Given Out



New Lactation Assessment Tool

A creamocrit machine is now available in the lactation station in Provo in order to assess the caloric and fat content of breast milk.

Number and Title of Online Classes Completed by WIC Participants in Utah County



WIC Goals:

- Look for ways to streamline operations in order to reduce costs.
- Continue to find ways to improve client's show rate for their appointments.
- Put into place a continuous quality improvement program to meet new USDA requirements in 2013.

Senior Services

The Senior Companion and Foster Grandparents Program participants volunteered over 93,271 hours to other seniors and high risk infants and children, troubled teens, and young mothers. Volunteers are 55 to 92 years old and donate up to 40 hours per week.



Senior Services partners with the Harley Owners Group to donate quilts and blankets.

During their annual Martin Luther King Day Service Project, almost 100 lap quilts were made for the Payson Veteran's Home and children in local area hospitals.

Foster Grandparents volunteer in 30 schools, in Alpine, Nebo and Provo School Districts, as well as at the Utah State Developmental Center and Lehi Literacy Center, serving as role models, mentors, tutors and friends to children at a critical time in their lives.

Senior companions served 293 frail, elderly clients. Services included transportation for 170 clients, companionship visits for 84 clients, and 39 weekly respite visits for caregivers. If these same services were provided by local in-home service agencies the collective cost to the individuals receiving this service would have been approximately \$907,725.

Senior Goal:

- Increase outreach to enlist more senior volunteers to serve in our community.

Health Indicators

	Utah County	Utah	United States
Physical Health			
<i>Having good to excellent health</i>	87.6%	86.6%	82.6%
Participated in recommended level of physical activity	56.8%	55.8%	51.6%
<i>Had 3 or more servings of vegetables</i>	17.3%	16.51%	n/a
Had 3 or more servings of fruits	35.3%	33.4%	n/a
Chronic Conditions			
<i>Percentage of adults over 18 that have been doctor diagnosed with the following conditions</i>			
Asthma (2010)	10.5%	9.1%	9.0%
Arthritis	16.4%	19.8%	26.0%
Cardiovascular (Heart) Disease (2009)	n/a	2.7%	4.1%
High Blood Pressure	19.0%	22.9%	30.9%
High Cholesterol	19.0%	23.3%	38.4%
Diabetes	5.6%	6.7%	8.7%
Classified Overweight by Body Mass Index (BMI)	32.9%	34.5%	36.2%
Classified Obese by BMI	21.0%	24.4%	27.6%
Injury Prevention			
<i>Number of emergency department encounters</i> 2005 2010 change	111200 102643 -8.3%	693247 707155 +2.0%	n/a
Percentage of residents that wear their seat belt regularly	92.8%	93.0%	n/a

Health indicators are for 2011 and from Utah's Indicator-Based Information System for Public Health, unless otherwise noted. "n/a" indicates information is not available.

	Utah County	Utah	United States
Preventative Screenings/Treatment			
<i>Clinical breast examine in last 2 years - women over 40</i>	62.3.2	66.2%	n/a
Mammogram screening in women over 40 years of age	65.2%	65.3%	75.2%
<i>Papanicolaou test in women over 18 years of age in the last three years</i>	70.6%	74.0%	80.6%
Sigmoidoscopy/colonoscopy in adults over age 50	69.8%	75.9%	64.2%
<i>Men over 40 who have had a PSA prostate test</i>	62.1%	61.9%	66.5%
Adults who visited dentist in the last year	71.3%	68.6%	n/a
Immunizations			
<i>Children who have received recommended DTaP, polio, MMR, Hep B, Varicella, and Hib vaccines by 36 months</i>	n/a	71.1%	77.0%
Seasonal Influenza vaccination in adults over 18	31.4%	37.5%	n/a
<i>Seasonal Influenza vaccination in adults over 65 years of age</i>	57.6%	56.9%	60.7%
Pneumonia vaccination in adults over 65 years of age	68.9%	70.0%	70.0%
<i>Adults who visited dentist in the last year</i>	72.0%	72.27%	69.6%
Access to Health Care			
Have health care coverage	79.9%	81.0%	85.3%
<i>Reported cost as a barrier to seeking health care</i>	18.5%	16.7%	n/a

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- **Vital Records**
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