

2009 Annual Report



Influenza 2009

2009 can be described in Union County and in national public health as the tale of two flu viruses. To recap the 2009 flu story, we must examine all four chapters.

Chapter 1: Planning in Advance

The Union County Health Department and many local businesses, schools, healthcare providers, law enforcement, fire departments, government officials, and emergency response agencies began preparing a pandemic flu plan in 2006. Planning heightened in April 2009 and continued at a feverish pace for all of 2009. Most importantly, the planning created an emergency communication network and countywide involvement in advance of a threat to the health of our community.

Chapter 2: Shortage of Seasonal Flu Vaccine

Nationally, more than the average number of people received a seasonal flu vaccination in 2009. Yet, locally and nationally we experienced a significant shortage of

seasonal flu vaccine. The shortage was the result of vaccine manufacturers shifting production from seasonal to H1N1 vaccine in combination to a significantly higher demand for seasonal flu vaccination.

Locally, UCHD received approximately 80 percent of requested seasonal flu vaccine, yet this was still roughly equivalent to the number of doses we normally receive (due to increased ordering in response to the early signs of a heavy flu season). However, many businesses, healthcare providers, and local retail pharmacies in our community received little or no vaccine. Therefore, our community was faced with having only several thousand doses of seasonal flu vaccine for 45,000 residents.

Chapter 3: H1N1 Flu

H1N1 hit the US and Union County in two waves, both outside the time of traditional flu season. The first wave came in late April and the second (continued on page 5)

Thank You H1N1 Volunteers

UCHD would like to thank all the volunteers who helped with the H1N1 vaccination clinics. In all, 53 volunteers from the Union County Medical Reserve Corps, Memorial Hospital of Union County, and local EMS enabled UCHD to provide H1N1 vaccinations to our community. In addition to these volunteers, UCHD received critical support from local law enforcement, fire departments, schools, and healthcare providers.

The support of these volunteers and partner agencies was crucial to our efforts and is why we are honoring each as a 2009 Public Health Partner of the Year.



Jason E. Orcena
Health Commissioner

From the Health Commissioner

The public health system of our community is strong. It is resilient. Like many other public entities, the system has weathered unprecedented challenges in 2009 and yet remains

committed to the residents it serves.

The public health system is more than your local health department. The system includes every physician, our local hospital, and all the volunteers that support the activities that improve the health and safety of our residents each day.

In 2009 this system was buffeted by challenges from many directions: healthcare reform, economic recession, controversial new recommendations for prevention, and, of course the H1N1 pandemic.

As we look to the future, healthcare reform and the recession are likely to bring the most change to our public health system. Public health is obligated to assure the quality and accessibility of health services;

policy changes directly influence the types of services and programs we may provide in the coming years. Similarly, policy changes affect our funding through grant opportunities and the value of locally approved levies.

These were our challenges. Many of them are not over, but with the support of our partners and our community, we will continue to deliver quality public health services to our constituents. The commitment of the Board of Health, the staff of the Union County Health Department, and the Health Commissioner remains “to protect the health, safety, and well-being of all Union County residents by providing quality public health services”.

The Six Obligations of Public Health

1. Prevent epidemics and the spread of disease.
2. Protect against environmental hazards.
3. Prevent injuries.
4. Promote and encourage healthy behaviors.
5. Respond to disasters and assist communities in recovery.
6. Assure the quality and accessibility of health services.

2009 Fiscal Summary

Board of Health

Mr. James "Al" Channell
President

Mr. Rod Goddard
Vice-President

Mr. Eric Milholland

Ms. Marge Myers

Dr. Carol Karrer, PhD, RN

Mr. Gary McDowell

Dr. Justin Krueger, MD

Statement of Expenditures for CY 2009

Personnel Costs	\$2,036,879
Non-Personnel Costs (Contracts, Equipment, etc.)	690,907
Total Expenditures	\$2,727,786

Statement of Revenues

Levy Receipts/Rollbacks/Tangible Personal Property Tax Replacement	\$1,482,563
Grant Receipts (state/federal/private)	515,082
Permits/Licenses/Fees	290,867
Contracts	234,557
Medicaid Reimbursement	97,992
Nursing Fees (including Medicare)	47,015
Vital Statistics Fees	48,629
State Subsidy	11,478
Reimbursements/Refunds/Other Receipts	40,827
Total Revenues	\$2,769,011



Elizabeth Fries (above), has been the coordinator for the Injury Prevention and Safe Communities grants for five years. In addition to these grants, Ms. Fries has also successfully secured \$48,546 for pedestrian safety efforts (such as sidewalk improvement projects) and \$126,965 for traffic safety programs.

Ms. Fries's successful grant management has earned her the 2009 Employee of the Year award.

From Conflict to Concussions

2009 saw the end of UCHD's five-year Conflict Resolution grant (total of \$176,720) and the beginning of a five-year sports injury prevention grant (total of \$205,000).

The Conflict Resolution grant provided training in positive discipline and bullying prevention to hundreds of Union County school staff and students. As a result, staff and student surveys indicated lasting improvements in classroom and school environments and reductions in the occurrence of bullying and harassing behaviors. Although the grant has ended, UCHD will continue to support

these efforts in our community during the coming years.

The 2010 sports injury prevention grant will focus on preventing sports injuries such as concussions by promoting policy change, protective equipment and safety training.

Heart Health

2009 marked the end of the five year \$285,000 cardiovascular health grant. In its closing year, the grant coordinator took part in more than 60 events/presentations with over 3,000 individuals participating. Grant activities included supporting Operation Fit Kids (physical activity and healthy nutrition curriculum taught to all Union County third graders), fitness testing and BMI (body mass index) screenings for many county third graders, and the twelfth annual women's health luncheon. As a founding member of the Union County Wellness Consortium, UCHD will continue its dedication to promoting heart healthy behaviors to our students, workforce, and community.



Growing Our Community

In 2009, Tom Barnhardt decided to give back to his community by building community gardens. His goal was to teach individuals how to garden and to share the bounty with area food pantries. He started in his home community of Milford Center. The Union County Health Department assisted Mr. Barnhardt with a \$500 grant to purchase seeds, to help publicize the program, and to solicit volunteers. To date, two community gardens have grown and donated over 500 pounds of fresh fruits and vegetables to Union County food pantries. In addition to these donations, the more than 30 participants also produced over 500 pounds of produce for themselves. Future plans include a new garden at the Marysville Mobile Home Park in the Spring of 2010.



Left: A volunteer works the soil during the ground breaking of a Union County community garden. The gardens, started and overseen by community members and supported by UCHD, donated one pound of fresh fruits and veggies to local food pantries for each dollar invested.

2009 Nursing Stats

In 2009, 680 cases of communicable disease were reported in Union County. The top five reportable diseases were:

1. Hepatitis C 451 cases*
(*441 cases in incarcerated persons)
2. Chlamydia 69 cases
3. Pertussis 51 cases
4. Influenza-associated hospitalizations 22 cases
5. Hepatitis B 20 cases

Service	2008	2009
TB skin tests	521	430
Pregnancy Tests	71	76
Reproductive Health Visits	394	422
Childhood Immunizations	1,436	1,226
Prenatal Clinic, New Clients	50	83
HIV Tests	79	31
United Way Financial Assists	227	182
Foster Care Exams	20	15
Primary Care Clinic (appts.)	1,720	1,714
Seasonal Flu Vaccinations	1,514	1,177
H1N1 Flu Vaccinations	-	7,270



Help prevent the spread of pertussis and other respiratory disease by coughing and sneezing into your elbow. Coughing into the hands only further spreads germs.

BCMh

Care coordination for children with medical handicaps. In 2009, 161 children were enrolled.

Child Safety Seats

Free installation assistance to all; limited distribution to families in need. UCHD did 17 safety checks and provided 51 seats in 2009.

Immunizations

For children and adults. Many shots for children are available for only \$6 per shot. UCHD gave 10,010 immunizations in 2009.

Help Me Grow

For children birth to 3 years old who are at risk for or have developmental delays. In 2009, Help Me Grow served 174 children.

Rainbow Prenatal Clinic

Prenatal care for women without insurance. 83 new clients were seen in 2009.

Speech Therapy

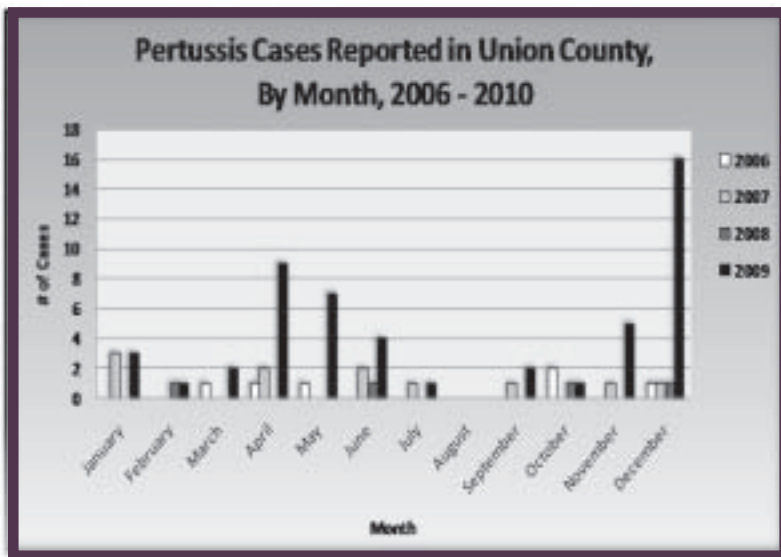
For children birth to 5 years old with a diagnosed speech or language delay and who are under-insured. In 2009, 217 sessions were provided.

WIC

Nutrition assistance for income eligible women who are pregnant or have children under the age 3 years. In 2009, WIC assisted over 900 Union County families.

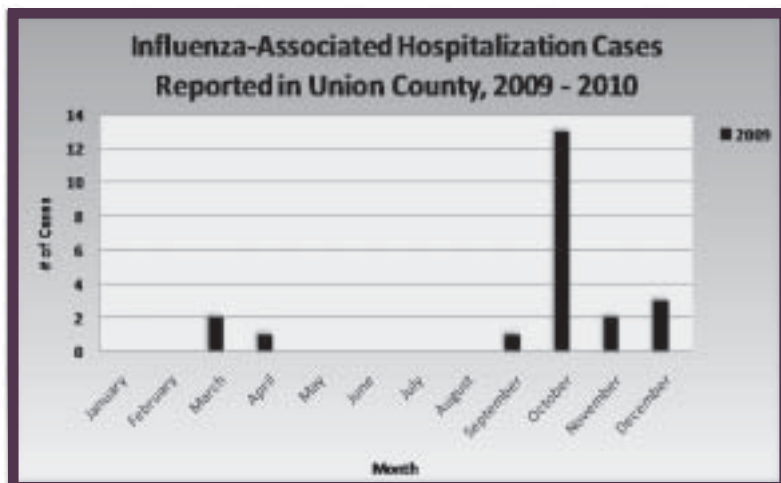
To find out more about our services, please visit us at www.uchd.net or call (937) 642-2053.

Nursing Notes



51 cases of pertussis (whooping cough) were reported in 2009. This was a significant increase over Union County's typical annual pertussis numbers and was a trend seen across central Ohio.

Pertussis is a respiratory infection characterized by persistent coughing and can be fatal to infants, the elderly, and those with weakened immune systems. A vaccine is available and a one-time booster is recommended for individuals age 12 years and older.



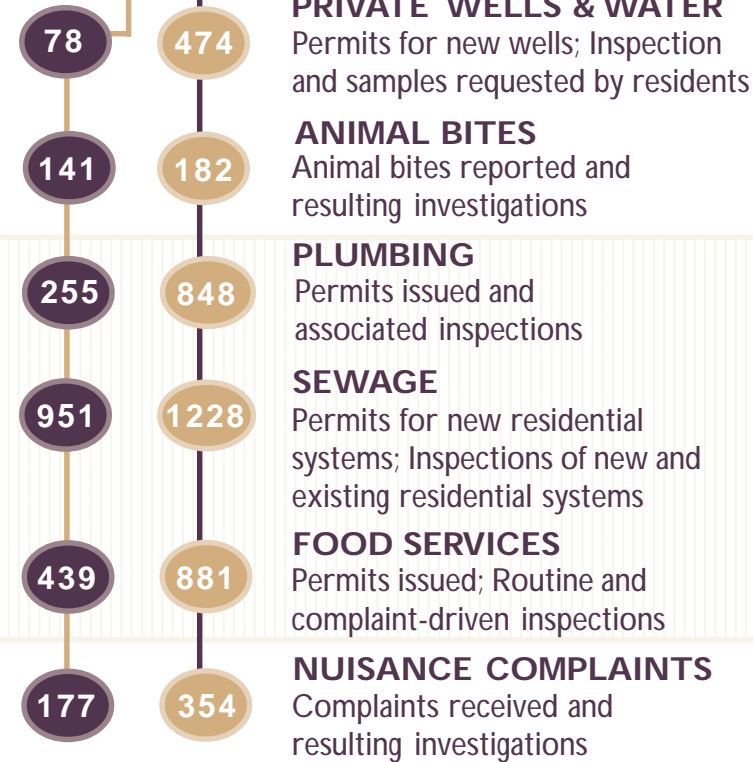
2009 was the first year Influenza-associated hospitalizations were tracked.

Union County had 22 influenza-associated hospitalizations with one case resulting in a fatality. UCHD received four reports of suspected H1N1 cases (two in April and two in May) before CDC ceased required testing and reporting of H1N1 cases in August.

Protecting Your Food and Water, 2009 Statistics

Permits & Registrations

Inspections & Samples



Environmental Health Brief

Services for Families:

Free radon test kits, free disposal of mercury thermometers, home well/water testing, and site inspection for new home builds

Services for the Community:

Inspection of all food service operations and public pools, control of disease-causing pests like mosquitoes, assurance of clean water, investigation of animal bites, exotic animal reports, and nuisance complaints

Make a Difference

Become a Medical Reserve Corp volunteer! The MRC is a group of medical and non-medical professionals interested in helping their community respond to emergencies. Union County's MRC membership grew from 13 to 67 members in 2009 and these volunteers played a critical role in the success of our H1N1 vaccination clinics. To join the MRC, visit www.serveohio.org.



H1N1 Flu (continued from page 1)

wave came in October. While H1N1 did not result in death tolls similar to 1918, it did lead to nearly 300 child fatalities and thousands of deaths, including one Union County fatality, in healthy people who normally do not suffer severe flu infections.

H1N1 vaccine arrived in Union County in mid-October. UCHD began vaccinating EMS and healthcare workers on Oct. 14, within two days of receiving our first hundred doses of nasal spray vaccine. By Oct. 16 we received a small quantity of injectable vaccine and expanded vaccination to pregnant women. Nov. 03 was the first clinic for children and by Nov. 12 vaccination was available to all five priority groups. On Dec. 15, H1N1 vaccination was available to all people. In total, UCHD offered 15 clinics and administered 7,270 vaccinations.

The Next Chapter: What Will 2010 Bring

Now that H1N1 has been identified as the predominant flu strain for 2009; it can be included in next year's seasonal flu vaccine. Therefore, only one flu vaccination will likely be needed to protect from both seasonal and H1N1 flu viruses. And while we are fortunate H1N1 has not yet mutated into a more severe flu virus, UCHD and public health will continue to closely follow the virus.

Most Popular Baby Names, 2009*

1. Ethan
2. Luke
3. Noah
4. Aiden/Aidan
5. Jackson/Jaxon

1. Emma
2. Abigail
3. Alivia
4. Hailey/Haley
5. Addison/Addyson

2009 Births and Deaths*



Deaths

87	131
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Births

295	332
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Top 5 Causes of Death, 2009*

1. Heart (52)
2. Cancer (47)
3. Respiratory Disease (30)
4. All systems failure/failure to thrive (17)
5. Pneumonia (14)

*Statistics only reflect births and deaths occurring within Union County.

H1N1

Workzone
2123

Hours spent by UCHD staff in planning and performing H1N1 vaccinations between August and Dec. 15.

Road Ahead
1

Flu shot should be all you need next year. Next year's vaccine will provide protection from both seasonal and H1N1 flu.

H1N1 vaccination clinics held in Union County.

15

Volunteer
53

Volunteers assisted UCHD with our H1N1 vaccination clinics.

Vaccination
9396

H1N1 vaccinations given by UCHD and local doctors' offices.

Residential Customer

Nursing & Help Me Grow
937-642-0801

Administration, Environmental
Health & Health Education
937-642-2053

940 London Ave., Suite 1100
Marysville, Ohio 43040
www.uchd.net

UNION COUNTY
HEALTH DEPARTMENT



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