

2005 Annual Report

LOGAN COUNTY HEALTH DISTRICT

“PROMOTING AN INFORMED HEALTHY COMMUNITY”



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From the Health Commissioner...

Since October 2001, immediately following the events of 9/11 and prior to the anthrax episodes, the Logan County Health District has been a leader and an active player in local and regional emergency preparedness. The Health District was instrumental in the formation of the county's Catastrophic Emergency Operations Team (CEOT) and continues to work closely with the county's EMA Director.

Training in incident command, crisis communication, and emergency preparedness has been critical to the Health District's response in several disaster drills, mass flu vaccination clinics, floods, anthrax, SARS, monkey pox, West Nile Virus, and the destructive ice storm of January 2005. Now, we prepare for a new threat, Pandemic Flu. An event that has happened 30 times in the past 1000 years, 3 times in the past century; and an event that experts predict is overdue to happen again.

From the perspective of the Health District, key improvements in public health response over the past five years include participation in the Ohio Public Health Wide Area Network giving us direct connection with the Ohio Department of Health (ODH) and the Centers for Disease Control and Prevention (CDC). We have reached nearly 100% computerization of our district office, created a reference library/emergency operations center, added an emergency preparedness coordinator/epidemiologist and a public information officer/IT Manager, and trained our staff in emergency preparedness through plan review, skill-building, and real-life drills. This has proven Logan County to be one of the most capable Health Districts in:

- mass vaccination via the number of shots administered per hour,
- implementation of emergency plans which dovetail with county partners' plans,
- daily on-line reporting to ODH,
- assessment of local, state, and national disease outbreaks,
- preparedness education for the public and targeted groups,
- formation of a local volunteer Citizen Corps,
- and many other improvements too numerous to detail here.

Unlike a 9/11 or Hurricane Katrina event, Logan County will have little outside help in any pandemic flu outbreak. The success of our response will depend on the preparedness of the Health District and all of our local partners, a well-educated and prepared public, and the availability of a core of trained medical and lay volunteers. You have an excellent group of response agencies in Logan County that are working hard to prepare, but their task will be very difficult without trained volunteers.

We must be ready for in-home sheltering, massive disruption of commerce, and supplying treatment or immunization to our 46,000 residents within 48 hours from the call to action. Your county needs you. Please contact Lesley Rowan at 592-9040 for more information about how you can help.

Dr. Boyd Hoddinott
Health Commissioner

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Employee Updates

The greatest asset our health district has is its employees. The Logan County Health District acknowledges numerous staff changes over the past year:

Best wishes to **Gloria Hooper**, who retired in September 2005 after 17 years with the health district. We wish Gloria much happiness in her retirement and thank her for her years of dedicated service.



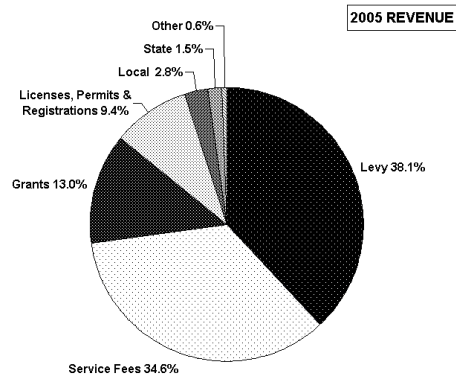
Congratulations on their promotion:

Cindy Irick RN BSN - Director of Nursing
Kelli Aldo RN BSN - Home Health Supervisor

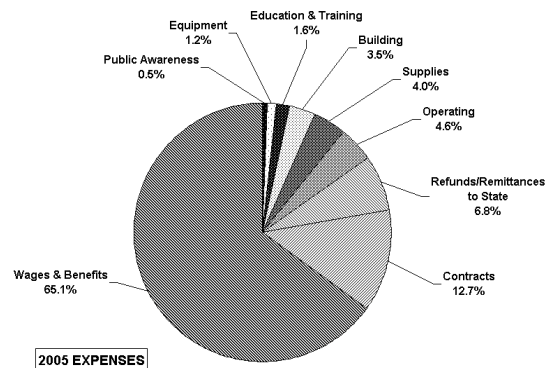
We also welcome new hires:

Kim Casady - Sanitarian-In-Training
Leigh Barnes RN - Home Health Nurse
Darcy Tidd RN - Home Health Nurse
Cindy Mabrey RN - Public Health Nurse
Abigail Parish - Immunization Clerk/
Deputy Registrar

Financial Highlights



Even in these challenging financial times of rising energy costs and funding squeezes, the Logan County Health District has maintained a positive operating budget. We continually seek to reduce operating expenditures and obtain alternative sources of funding to provide our customers with needed services. You can see that State funding only provides a minute portion of the Health District's revenue, with Levy funding and Service Fee income contributing the greatest portion to our budget. Grants provide an invaluable source of revenue allowing our health district to benefit from operational improvements, to offer a broader spectrum of services including an expanded immunization program, youth tobacco awareness and STAND, and to operate the county's Women, Infants & Children (WIC) program.





Community Health Services Report
By Cindy Irick RN, BSN, Director

Infectious Diseases

The infectious disease responsibilities of the health district have grown considerably during the past year, partially due to the increased reporting requirements by ODH. Efforts toward education and communication with local health care providers and agencies have proved fruitful. A goal for the coming year is to provide STD prevention educational materials to local physician offices.

Disease	Total # 2005	Total # 2004	
1 Chlamydia	74	51	*
2 Hepatitis C	26	17	*
3 Gonorrhea	16	13	*
4 Chicken Pox	18	0	∞
5 Genital Herpes	12	10	* +

* The increase in STDs is partially due to improved understanding and better reporting from local offices.
 ∞ Chicken Pox became a Class A reportable by individual case disease effective 1/1/06.
 + Will no longer be reported effective 1/1/06.

Health Education

The Health District successfully collaborated through its Health Education Committee comprised of representation from all divisions to provide education in targeted areas: STDs, Sun Safety, Nutrition, Immunizations, Food Safety, and Tobacco. 168 classes were conducted in 2005 to area health care providers, faculty, students, other agency personnel and the community at large with 2230 attendees.

School Health	
School Visits	416
Vision Screens	4,581
Vision Referrals	359
Hearing Screens	3,794
Hearing Referrals	72
Public Health	
Nursing Visits	313
Newborn Baby Visits	211
BCMh Contacts	788
BCMh Visits	203
Lead Assessment	35
Pediatric Nurse Assessment	22
BP/BS Screens	359

Public Health:

Public Health Nursing encompasses several areas of outreach to Logan County, including:

- School Health - 3 public health nurses share the responsibility of conducting mandated hearing and vision screenings, monitoring immunization status of students and assisting with kindergarten screenings.
- Newborn Baby Visits - All mothers of children born in Logan County are offered a newborn baby visit where both mother and baby are assessed and education is provided. Visits increased by 68% in 2005, partially funded through the county's Help Me Grow program.
- BCMH (Bureau for Children with Medical Handicaps) - Nurses provide coordination services to families who participate in this voluntary funding program offered by the ODH for the diagnosis and treatment of medical problems in children from birth to age 21.
- Lead Case Management - Staff assist in follow-up to children with high blood lead levels and in screening risk groups.
- Pediatric Nurse Assessments - Conducted for Children's Services clients being placed in foster care.
- Blood Pressure, Blood Sugar and finger pulse oxygen level screening clinics.

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Immunization

Because childhood immunizations are not available through all physician offices, child immunization clinics are vital to the Logan County community. The Health District has been able to offset some of the clinic costs through an IAP (Immunization Action Plan) grant and vaccine costs through the ODH's Vaccine for Children (VFC) program.

Utilization of the adult immunization clinic increased by 60% compared to 2004 numbers. This clinic is offered as a service to college students and certain travelers where vaccines are administered at cost. The Health District plans to continue expansion of this service based on need and utilization.

IMMUNIZATION CLINIC STATS	# Clinics Held	# Injections Given	# Clients Served
Childhood Immunization Clinics	93	2331	889
Adult Immunization Clinics	53	506	396
Flu Shots Administered		2571	
TB Tests Administered		306	

Women, Infants and Children (WIC):

The WIC program had an average of 983 participants per month in 2005 and provided education opportunities open to the public that focused on nutrition, breastfeeding, positive parenting and wise food purchasing techniques. WIC sponsored the Mitten Tree project again this year to provide gloves, hats and scarves to children in need with assistance from the Sewing and Yarn Shop.

Testing our Plans

By Patricia Lentz BS, Emergency Preparedness Coordinator/Epidemiologist

Since the Anthrax attacks of October 2001, a new role has emerged for Public Health – that of emergency preparedness. The Logan County Health District (LCHD) is preparing by writing plans and standard operating procedures to address a variety of possible emergency events. But how do we know they will work if a real disaster occurs? These plans need to be tested within our own agency and with our response partners. In practicing various drills and exercises using different scenarios, we can continually improve our plans by incorporating lessons learned from these exercises.

LCHD participated in two major emergency exercises during 2005. The first was conducted August 11 and included other health departments throughout the Central Ohio Region. Local and state public health and emergency management officials helped plan and evaluate this event, which focused on handling the public health consequences following a fictitious bioterrorism release of pneumonic plague. The scenario was designed to test four objectives: 1) incident command system, 2) communications including our new Multi-Agency Radio Communications System (MARCS), 3) emergency operations

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Environmental Health Activities 2005	#
Animal bites reported	102
Inspections	72
Consultations	139
Food service licenses	490
Inspections	630
Consultations	138 0
Mf. Home Park licenses	24
Inspections	56
Consultations	210
RV Park/Camp licenses	37
Inspections	65
Consultations	234
Public pool licenses	26
Inspections	151
Consultations	135
Tattoo licenses	3
Inspections	3
Consultations	19
Sewage permits	120
Inspections	411
Consultations	784
Water well permits	195
Inspections	271
Samples	585
Consultations	908
Infectious waste inspections	13
Consultations	64
Nuisance investigated	329
Inspections	512
Consultations	993
Landfills licensed	2
Closed landfills	2
Inspections	48
Consultations	265

**Environmental Health Division Report
By Craig Kauffman R.S., Director**

The proactive measures taken in the solid waste program continue to drive the environmental health team. Advances in technology and the addition of technical support from Ohio University present opportunities for advancement in solid waste impact analysis in Logan County. In addition, advances in the solid waste program allow us to progress in our other programs as well.

After staff finished monitoring the debris stockpiling from the ice storm, the majority of time spent in the solid waste program during 2005 was in routine open dumping investigation, our Cherokee Run Landfill groundwater evaluation, and our monitoring of the Chiles Landfill gas migration.

Surface water evaluation in the streams near Cherokee Run has begun. Sampling of the water and measuring of flow began in September, along with sampling upper aquifer and bedrock aquifer wells. Initial results from bi-monthly sampling will establish background water quality. This will enable us to better identify and analyze future changes in water quality.

On November 2, 2005, we obtained permission to place a gas interception trench at the Chiles Landfill on Stockyard Road. Gas created by decomposing solid waste was migrating from the Landfill property. Anytime gas migrates, it can accumulate in buildings and become an explosion risk. Trench construction was completed in December.

We continue to research environmental health effects of unlicensed junkyards. Whether or not a junkyard is grandfathered under zoning laws or other laws, they still are not permitted to create a nuisance. We hope to devise a protocol for soil testing in these areas based on discoveries in our solid waste activities.

The advances gained from these activities present opportunities for us in other programs. For example, we continue to research

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Vital Statistics Review

By Cheryl Burch, Registrar

New out-of-institution birth (typically referred to as “home” birth) certificate regulations were implemented in December 2005 presenting our vital statistics division with a variety of challenges. As part of new Homeland Security requirements, certain criteria must be met in order for the State of Ohio to certify a “home” birth. This criteria includes proofs of residency and pregnancy and requires birth registration at the local health district within 10 days.

Birth and death records for Logan County dating back to 1909 are kept on file at the Health District office. Certified copies of birth records may be obtained for many purposes such as kindergarten registration, driver’s license and passport applications, and travel outside of the U.S. Birth and death records are also available to assist in genealogy research.

For more information on the new birth certificate regulations, or questions about obtaining certified copies of birth and death records, please contact the Vital Statistics Registrar at 592-9040.

THE HEALTH OF THE PEOPLE IS REALLY THE FOUNDATION UPON WHICH ALL THEIR HAPPINESS AND ALL THEIR POWERS AS A STATE DEPEND.
-DISRAELI

Environmental Health Report *(Continued from page 6)*

low cost, low maintenance alternatives for homeowners to use in treating their wastewater onsite. Our increasing knowledge in water testing will allow us to do more analysis of systems with less outside expenditure.

I invite you to share your ideas or concerns with me. Please contact me at 592-9040.

BIRTHS		
Births Recorded	492	
Hospital	475	
Home	17	
Males	261	
Females	231	
Sets of twins	3	
Birth certificates issued	2,305	
DEATHS		
Deaths Recorded	360	
Males/Females age 100+	4	
Oldest	102	
Youngest	11days	
Death certificates issued	1,661	
CAUSES OF DEATH	#	%
Cancer	104	28.89%
Cardiovascular/ CHF/ Cardiac	97	26.94%
CVA	26	7.22%
Alzheimer's/Dementia/ Parkinson's	22	6.11%
Pneumonia	19	5.28%
COPD	14	3.89%
Renal	9	2.50%
Accident	8	2.22%
Homicide	7	1.94%
Suicide	6	1.67%
Sepsis	5	1.39%
Liver/Cirrhosis	3	0.83%
Other	40	11.11%
Total	360	100.00%

The Logan County Board of Health

As established by Ohio law, the Logan County Board of Health is the health district's policy-making body with authority to adopt regulations and establish programs to promote public health within the district. The Board representing the disciplines of medicine, law, business & industry, and education is composed of five members appointed by the mayors, township trustees, and county commissioners of Logan County, and one member appointed by the Health District Licensing Council (HDLC) for Logan County. Members serve a five-year term, with the exception of the Licensing Council representative, who is appointed as determined by the HDLC.

Members of the Board for 2005 were:

Harry L. Graber, M.D. – President
John H. Henschen – Vice President
Charles W. (Bill) Hines – District Licensing Council
Robin J. Price
Suzanne K. Schindewolf
Terrence G. Stolly

Testing our Plans

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center, and 4) resource management. Emergency operation centers in Logan, Delaware, Union, Franklin and Madison counties opened and took part in this exercise. An after-action telephone conference call followed to discuss strengths and areas for improvement. Items identified for the corrective action plan will be addressed in 2006 and re-tested when complete.

On November 5, LCHD conducted a mass flu vaccination clinic exercise at Benjamin Logan High School. Many community organizations and businesses participated to help make this event a huge success. The purpose of this exercise was to test our mass vaccination dispensing plan. Objectives for this drill were similar to the regional exercise but also included a new card swiping technology. This was also the first time that we included Medical Reserve Corps volunteers, who had pre-registered to help out our

community during an emergency.

In a true emergency, LCHD must vaccinate all 46,000 citizens in a matter of days. For this exercise our goal was to vaccinate 250 people per hour. Because of good communication and a supportive community, Logan County residents showed up in record numbers to help us with this drill and to receive their flu shots. Even with some technological glitches at the beginning, we were able to vaccinate over 500 people in the first hour. Overall the average length of time it took to get through the clinic was under ten minutes; and this sometimes included time it took to visit with friends and neighbors.

An after-action report and a corrective action plan were prepared from evaluator, staff, volunteer, and client feedback. This will help us to improve our plans and procedures in time to test them again next year. This continuous cycle of improvement helps us achieve the goal of keeping Logan County healthy during an emergency.



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