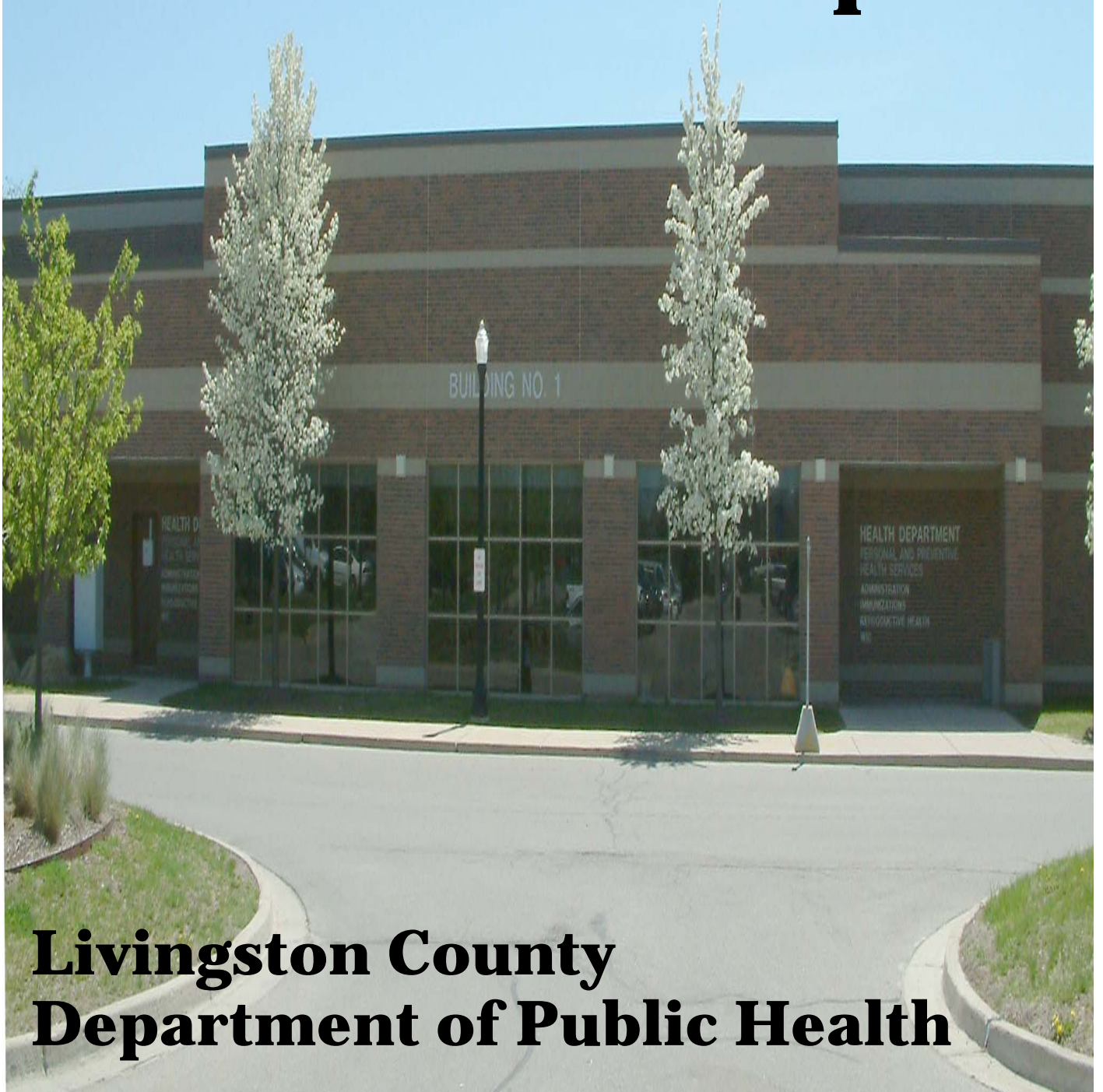




2005 Annual Report



**Livingston County
Department of Public Health**

From the Director.....

To the Residents of Livingston County:

The Livingston County Department of Public Health is pleased to provide you with our 2005 Annual Report. It provides a summary of the main programs and activities provided by the Department to benefit the health and well-being of the community.

In addition to describing our regular programming, I wish to direct your attention to the Department's activities in Emergency Preparedness Planning, an area that has received increased attention over the past three years. It clearly shows the considerable amount of time and effort we have devoted to be prepared in the event of a public health emergency.

We are extremely fortunate to live and work in such a great community. We have many advantages and enjoy a great quality of life. However, when we compare our overall health status to the rest of Michigan, we do not see a significant advantage. Heart disease, cancer and stroke account for 60% of our deaths, which mirrors the rest of the State. Behavioral and lifestyle factors, such as tobacco and alcohol use, diet and inactivity contribute as much to mortality and morbidity as genetic and environmental influences. According to the 2004 community survey, in Livingston County 10,000 adults have diabetes, 32,000 adults have been told they have hypertension and 50,000 adults have been told they have high cholesterol. Our binge drinking rate is 35% higher than the state average.

In order for us to improve the overall health status of the community we need to take personal responsibility to improve our individual health status. We need to make a personal commitment to eat nutritious foods in the proper quantity, to engage in adequate exercise and activity, eliminate tobacco use and provide an environment that encourages others not to begin smoking and consume alcohol in moderation.

Personal responsibility also applies to our support and involvement with community initiatives directed toward improved health. Even though there is an awareness of the benefits of a more comprehensive approach to community health improvement, implementing change is a difficult process. It is imperative for community members to let decision makers know they support local policies to target changes that promote a healthy lifestyle at all levels—school, workplace, and the general community.

Our department is committed to providing services which will assist in improving the community's health status. However, we also need the personal commitment of our residents to work toward the same goal.

The Livingston County Department of Public Health appreciates the continued support of the Board of Commissioners and the residents of Livingston County. We look forward to working with you in the future on community health programs and public health issues.

If you have any comments or questions please contact me.

Ted Westmeier, RS, MPH
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New Medical Director

In October 2005, Donald W. Lawrenchuk, MD, MPH, became Medical Director of the Livingston County Department of Public Health on a part-time basis. Prior to this appointment he served as Medical Director of the Wayne County Department of Public Health for almost 23 years. Dr. Lawrenchuk looks forward to meeting and working with those in the community to improve the health status of the community.

Dr. Lawrenchuk's educational background includes earning an M.D. degree in 1980 from Wayne State University School of Medicine and a Masters degree in Public Health in 1982 from the University of Michigan School of Public Health. He is one of a handful of physicians in Michigan to have completed a certified public health and preventive medicine residency program. He also completed an internship in internal medicine at William Beaumont Hospital in Royal Oak, Michigan as part of his residency. Dr. Lawrenchuk was born, raised, and educated in the city of Detroit, and currently lives in Livonia, Michigan with his wife and two sons.

Livingston County Department of Public Health Awarded Accreditation with Commendation

Following a rigorous week-long on-site review in 19 competency areas, the Livingston County Department of Public Health (LCDPH) has been found to fully meet all accreditation requirements plus additional important indicators meriting special commendation status. The designation of accreditation with commendation is valid for a three-year period.

Begun in 1998, the Michigan Local Public Health Accreditation Program is a collaborative effort between Michigan's 45 local health departments, the Michigan Departments of Community Health, Agriculture, and Environmental Quality and the Michigan Public Health Institute. The focus is on continuous quality improvement to assure and enhance the quality of LCDPH response to the changing needs of and demands for local public health programs. Accreditation identifies and promotes the implementation of public health standards for local public health departments, and evaluates local health departments on their ability to meet these standards.

Emergency Response

A vital function of local government is to provide an effective emergency response to events with the potential for harm. The public expects their governmental infrastructure to respond in a timely and efficient manner to any type of emergency event and minimize or fix the problem. The degree to which local government can “fix” the problem is directly related to the amount and degree of planning effort expended and resources made available prior to the event taking place.

The backbone of emergency management consists of four major components: **Preparedness, Response, Recovery and Mitigation**. The majority of emergency management activities takes place prior to an actual emergency event and largely remains out of the public’s sight. Since late 2002, the Livingston County Department of Public Health (LCDPH) has been diligently updating existing emergency response plans and identifying new areas of response planning in need of further development. Collaborating with local and regional public health partners in this process ensures a comprehensive product that integrates well with overall county response planning efforts.

All-Hazards Plan

For the last three years, LCDPH has been prioritizing preparedness planning efforts as a result of continued Federal Homeland Security funding through the US Centers of Disease Control and Prevention (CDC) and the Michigan Department of Community Health (MDCH). LCDPH has developed an all-hazards plan that details how the department will respond to emergency events that may occur within Livingston County. This plan identifies the data collection and investigative efforts necessary to mitigate the consequences of a public health emergency and details how the department communicates and coordinates with other Livingston County response agencies.

Federal Strategic National Stockpile (SNS)

We have also developed a county-level plan that describes the process of requesting, accepting and distributing medical supplies from the SNS. The SNS is a Federal asset to supplement local health care resources in case of a catastrophic event resulting in great numbers of casualties or a need to vaccinate or prophylax a large segment of the population.



Cities Readiness Initiative (CRI)

LCDPH is part of the Cities Readiness Initiative Planning Project. This planning effort determines the infrastructure and processes necessary to provide medication to the entire Livingston County population within 48 hours. It is integrated with the Detroit metropolitan planning effort.

Emergency Response

Communication and Emergency Risk Communication Plan (CERC)

As with many of these plans, it is important to provide the public with timely and accurate information. The LCDPH CERC Plan details the process of public information development, management approval and dissemination of information to the general public and medical community.

Michigan Disease Surveillance System (MDSS)

In order to recognize if a biological event might be occurring, LCDPH utilizes the MDSS. The web based system allows reporting agencies (hospitals, laboratories, physicians, clinics) to enter data quickly and accurately while allowing public health personnel to accurately track and investigate diseases and disease symptoms electronically. This greatly decreases the timeline from detection to analysis so appropriate action can be taken.



National Incident Management System (NIMS) Training & Exercise

As with any planning activity, training and exercising are essential. LCDPH maintains a NIMS compliant workforce by ensuring all personnel undertake appropriate emergency preparedness training courses. LCDPH conducted a full scale mass dispensing clinic exercise in April 2005, a table-top pandemic influenza exercise in September 2005 and will conduct a full scale mass triage exercise in July 2006.

LCDPH is very aware of today's risks and has taken the necessary actions to prepare for responding should they become reality. We are very proud of the progress we have made over the past three years, and will continue to plan, train and exercise so we can provide a coordinated and effective response. LCDPH is fully committed to public health emergency response planning within the existing Livingston County Emergency Response System in order to help mitigate, be better prepared, respond quickly and effectively, and recover fully from future public health emergencies such as biological weapons incidents, Pandemic flu, and natural disasters.

2005 Programs and Services

Whether providing programs, exercising our emergency preparedness plan or working with community partners, the Livingston County Department of Public Health is committed to providing and assuring services that protect the health of our residents and visitors and improves the overall health status of the community.

COMMUNITY HEALTH AND SAFETY PROGRAM

To assure community health and safety, we inspected 7 seasonal and 10 children's campgrounds and 23 mobile home parks.

PUBLIC SWIMMING POOL AND BEACH PROGRAM

We inspected 52 indoor/outdoor pools and spas, and 25 public beaches to evaluate compliance with State of Michigan rules.

SANITATION INSPECTION PROGRAM

We assisted 85 adult foster care facilities, county infirmaries, and child care organizations to help them comply with State rules regarding water supply, general sanitation and safety.

FOOD PROTECTION PROGRAM

We provided public health protection evaluation for proper construction and operation of 393 food service establishments. The program also included the following: 33 plan reviews of new or remodeled food service establishments, 56 food vending inspections, 698 food service inspections, 59 food-borne disease investigations, and 121 temporary food inspections. We licensed 11 mobile food service units and 12 special transitory food units.

ONSITE SEWAGE TREATMENT PROGRAM

We evaluated 966 sites for onsite sewage disposal suitability and provided permits for 824 sewage disposal systems to assure proper operation and maintenance of onsite sewage disposal facilities. We licensed 13 septage waste haulers and 12 disposal sites.

ONSITE WATER SUPPLY PROGRAM

We issued 1171 permits for residential and small public water supplies. We sampled water from 300 private wells in proximity to sites of environmental contamination. We regulate 361 non-community public water supplies, and of those, we conducted 75 evaluations this year.

WEST NILE VIRUS PREVENTION ACTIVITIES

We provided community outreach/education to senior citizens, public schools, local government and the public at large.

2005 Programs and Services

COMMUNICABLE DISEASE PROGRAM

The Livingston County Department of Public Health investigated 288 reportable communicable diseases and provided client education, treatment and follow-up as indicated. We also provided education and referral for evaluation and treatment to 164 individuals with sexually transmitted infections.

The chart shows selected items from the longer list of reportable diseases. Notable data in 2005 include:

- ◆ The steady rise in genital Chlamydia
- ◆ A steady decline in reported Chicken Pox
- ◆ Ongoing spread of Pertussis
- ◆ Low prevalence of Tuberculosis
- ◆ Persistence of food and waterborne enteric diseases

Prompt reporting to the Health Department enables prompt follow-up for the prevention of transmission of serious communicable disease.

HIV TESTING

We provided HIV testing and education to 74 individuals.

IMMUNIZATIONS & TB TESTING

We immunized 6154 individuals, and assessed 2924 preschool, and 7165 kindergarten to 12th grade student records for completeness. Our flu clinics administered 4196 doses of vaccine. To detect and control the spread of TB, testing was provided to 517 individuals.

CHILDREN'S SPECIAL HEALTH CARE SERVICES

We assisted 366 families with children who have special health care needs in obtaining coverage and referral for specialty services.

WOMEN, INFANTS, CHILDREN SUPPLEMENTAL FOOD PROGRAM (WIC)

We provided health and nutrition education and coupons for nutritious foods, and referrals to other health services for 1493 pregnant, breastfeeding, and post-partum women, infants and children. In an effort to increase the number of children tested for lead poisoning we initiated an outreach program to local physicians, plus began lead testing in our WIC clinic. In 2005, we tested 102 children, aged 12 and 24 months, for possible lead poisoning. Two hundred participants also received additional nutrition education and Farmer's Market coupons to purchase fruits and vegetables locally.

**Reported Cases of Communicable Diseases
in Livingston County**

Name	2001	2002	2003	2004	2005
STD					
Chlamydia	105	101	131	142	145
Gonorrhea	4	15	17	14	19
Communicable Disease					
Chicken Pox	108	186	111	86	82
Hepatitis A	5	2	1	1	1
Hepatitis B	4	2	1	1	1
Hepatitis C (acute)	0	0	0	0	1
Hepatitis C (chronic)	2	57	73	45	87
Meningitis (aseptic/viral)	38	20	31	20	32
Meningitis (bacterial)	5	3	1	1	3
Pertussis	1	0	4	2	16
Tuberculosis	0	1	0	1	2
Enteric CD Activity					
Campylobacter	12	11	8	14	17
E coli	1	6	3	2	6
Giardia	16	14	19	4	10
Salmonellosis	14	13	16	13	29
Shigellosis	1	3	0	2	1

Source: LCDPH Select CD Activity, 2006

2005 Programs and Services

REPRODUCTIVE HEALTH

We provided screening, testing, prevention and treatment services to 243 women. This program closed effective April 1, 2005.

HEARING AND VISION SCREENING PROGRAM

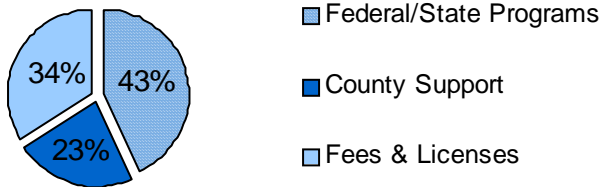
We screened 15,557 children in daycare centers, preschools, public, private, and charter schools throughout Livingston County.

EMERGENCY RESPONSE FOR PUBLIC HEALTH EMERGENCIES

We continued to plan and develop a comprehensive public health response to potential threats from natural disasters, disease outbreak, chemical spills or intentional events. An in-depth review of the Emergency Response program is included on pages 4 and 5.

HEALTH DEPARTMENT REVENUE AND EXPENSES

Revenue by Source, 2005



Expenses by Division, 2005



*Serving the community in Environmental Health,
Personal Health Services, & Chronic Disease Prevention*