“Our Year in Review”
(October 2011- September 2012)
Dear Residents, Community Partners & Colleagues,

I am pleased to present the Lenawee County Health Department ANNUAL REPORT for 2011/2012. This report highlights the excellent programs and services the Health Department provides to the citizens of Lenawee County.

Each of the staff at the Health Department works vigilantly to monitor and minimize health threats, educate the public on prevention and provide services to promote the health and well-being of the community. Public Health has been credited for adding 25-years to the life expectancy of individuals in this century.

I want to recognize the dedicated staff at the Health Department, the Lenawee County Board of Commissioners, the Board of Health and state and local agencies that have partnered with us in our continued commitment to provide services to all residents in Lenawee County.

The role Public Health plays in the community is essential in preventing disease and promoting health. I extend an invitation for any resident or group to contact the Health Department for a tour or visit and to obtain information about how our services may help you. You can also learn about the Health Department programs and services by visiting our website at www.lenaweehealthdepartment.org, liking us on Facebook or following us on Twitter.

Public Health touches each of us every day and reminds us that where and how we live, work and play has a lot to do with how healthy each of us really is. We will continue to serve you as we confront any future challenges in the world of Public Health and are committed to making Lenawee County a healthier place to live, work and play.

Regards,

Patsy Bourgeois, RN, MS
Health Officer

We’re Here for You
The Business Office prepares and monitors:

- Financial reports (county and state)
- Annual budget/audit
- Payroll
- Purchasing
- Accounts payable/receivable
- IT
- General ledger
- Equipment inventory
- Department contracts
- Liability insurance
- HIPAA security
- Internal controls
- Accounting
- Medicaid/Medicare
- 3rd party billing

Business Office staff participate in:
- Bioterrorism exercises
- Accreditation process

Human Resources

The Lenawee County Health Department employs a diverse work force consisting of public health nurses, environmental health sanitarians, health educator/emergency preparedness coordinator, dietitian, physician, clinic technician, computer technician, administrative aide and support staff.

<table>
<thead>
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<td>37</td>
<td>39</td>
<td>40</td>
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</table>

ENVIRONMENTAL HEALTH programs include:
- Food service, public & private on-site water supply, public & private on-site sewage disposal, residential and commercial subdivision, campground, emergency preparedness, public swimming pool, child & adult care facilities and tattoo/body art program.

NURSING programs include:
- Hearing/Vision
- Sexually Transmitted Disease
- Children’s Special Health Care Services
- Family Planning
- BCMP
- Diabetes
- WISEWOMAN
- Immunizations
- Medicaid Outreach
- Communicable Disease
- Maternal/Infant Health
- Emergency Preparedness

EXPENDITURES

- Administration, 20.07%
- Nursing, 52.87%
- Environmental Health, 22.43%
- Health Ed & EP, 4.63%

Administration increased due to County offering a buy-out to staff
Emergency Preparedness

In the event of a large emergency, the Lenawee County Health Department may not have enough staff to respond alone. For this purpose, the health department maintains a list of volunteers who are willing to help us in an emergency. Volunteers on this list are asked to update their information annually and are provided with information about emergency preparedness trainings. Being part of the list does not obligate anyone to respond as a volunteer in an emergency.

To ensure emergency preparedness plans are up-to-date health department staff:

- Participate monthly in local, regional and state emergency preparedness meetings
- Conduct discussion based drills of how to respond in an emergency. For example, what resources would we rely on if anthrax were released in Lenawee County? How would we distribute medications to thousands of residents in a matter of hours? Do we have the supplies we need?
- Conduct quarterly communications drills with local partners
- Consistently work to ensure that our emergency preparedness plans are appropriate for all populations, including those with special needs
- An internal committee meets monthly to determine the most effective means for communicating preparedness and response messages to the public

In addition, in 2011/2012, emergency preparedness staff worked closely with the Lenawee Intermediate School District to assist them with emergency plans for food safety/security and for communicable disease outbreaks. These plans were then shared with local schools.

Volunteer/Intern/Education

The Health Department is committed to mentoring students and providing Internships and participation in individual or group projects to expand the awareness of Public Health. We provide experiences in our Nursing, Emergency Preparedness, and Environmental Health Programs. Some examples of student experiences include:

- Assisting with fit testing face masks
- Observing our immunization program
- Observing a restaurant or building site inspection
- Assisting in a large flu clinic

The first hand experience is invaluable to these students. Our hope is that by providing these opportunities in Public Health it may persuade students to seek careers or further their education in Public Health. In addition, the Health Department created a volunteer procedure which will help lay the foundation for future recruitment efforts.
Hearing & Vision Program(s)

Michigan’s Hearing and Vision Programs are celebrating over 60 years: Hearing Laughter and Seeing Smiles from Michigan’s Children.

A child’s hearing and vision impacts their success in school. An undiagnosed hearing problem may impact a child’s ability to pay attention or follow directions. An undiagnosed vision problem may affect a child’s ability to read and learn. The Lenawee County Health Department’s comprehensive hearing & vision screenings are conducted by fully trained hearing and vision technicians. Over 7,723 Lenawee County children were screened for vision and over 5,341 children were screened for hearing this year.

Michigan Law Requires that local health departments offer hearing and vision screening at least once between the ages of 3 years and 5 years,

- Hearing screening - in Kindergarten, 2nd and 4th grades
- Vision screening - 1st, 3rd, 5th, 7th and 9th grades

At no cost to families … Michigan Law also requires screening PRIOR to kindergarten entry

The Children’s Special Health Care Services (CSHCS) Program offers assistance for children, and some adults, with special or chronic health care needs. The CSHCS Program may also supplement existing health insurance co-pays and deductibles for children, under the age of 21, that have a CSHCS qualifying condition. Persons age 21 and older with certain blood clotting disorders or cystic fibrosis may also qualify. The program covers specialty treatment, equipment, prescriptions and transportation. The program is not based on financial eligibility but rather a qualifying medical diagnosis. Trained staff assist families with program enrollment, renewal, case management and coordinating health insurance and CSHCS benefits.

- Provided 176 annual Plans of Care
- Served approximately 300 Lenawee County residents with special health care needs.
HIV Testing

The Lenawee County Health Department provides court ordered HIV testing. There is a cost for this testing, which is available by appointment only. The health department provides information on the location of free or low-cost HIV testing sites in nearby counties, prevention and control of HIV.

Sexually Transmitted Diseases (STD)

The Lenawee County Health Department (LCHD) provides an STD Walk-In Clinic on Mondays and Thursdays. Confidential services include
- examination,
- testing and
- treatment (if indicated)

A Public Health Nurse will discuss the client’s risk factors and provide information on preventative measures.

According to the Centers for Disease Control (CDC), in the United States:
- 20 million - the number of new STDs that occur in just one year
- $16 billion - the cost of treating STDs contracted in just one year
- 1/2 of all new sexually transmitted infections each year are among youth ages 15-24 years of age

Sexually Transmitted Diseases

<table>
<thead>
<tr>
<th></th>
<th>2007</th>
<th>2008</th>
<th>2009</th>
<th>2010</th>
<th>2011</th>
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<td>152</td>
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</table>

Number of confirmed cases in Lenawee County.

Communicable Disease Program

Over the past century, the profile of communicable disease has changed dramatically. New infectious organisms are being identified. Many diseases, assumed to be eliminated as a public health threat, are still readily present. Communicable disease surveillance and control is the cornerstone of Public Health.

The Lenawee County Health Department (LCHD) Communicable Disease Program facilitates surveillance and monitoring of disease through Michigan’s Disease Surveillance System (MDSS). Physicians, health care providers, laboratories, schools and childcare centers located in Lenawee County are required to report the occurrence of approximately 79 communicable diseases to the health department. Our public health program depends upon these disease reports to monitor the health of the community and guarantee timely preventative action.

- In 2012 the LCHD Communicable Disease Program investigated approximately 199 communicable disease reports. The LCHD Communicable Disease Program continuously works toward prevention, detection, treatment and control on individual cases and also community outbreaks.
### Communicable Disease Statistics

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</table>
Family Planning Program

The Family Planning Clinic provides contraceptive services to individuals in need of birth control. Contraception methods available (for females) include: condoms, oral contraceptives, injections, the patch, IUDs, diaphragms, and vaginal rings. Pregnancy testing and counseling is available by appointment. All family planning services are on a sliding fee scale based on current poverty guidelines. There is no fee for anyone within 100% of established poverty guidelines or less. NO ONE will be denied services because of their inability to pay. Eligible clients can be enrolled in Plan 1st insurance to cover the cost of their visit and birth control supplies.

Immunization Program

“VFC vaccines are available to children 18 years of age and under who are enrolled in Medicaid, have insurance that does not cover immunizations, have no medical insurance or medical insurance that has exceeded the annual cap, or are an American Indian or Alaskan native.

Vaccines are among the 21st century’s most successful and cost-effective public health tools for preventing disease. The importance of immunizations cannot be exaggerated. The fear of many deadly diseases that were prevalent in the past, such as polio, measles and diphtheria, are almost non-existent today because of our local Public Health immunizations programs.

The Lenawee County Health Department (LCHD) provides an Immunization Clinic every Wednesday. We also provide extra seasonal Immunization Clinics for back-to-school children’s immunizations as well as Influenza (Flu) Clinics. A wide variety of vaccines are available for children and adults protecting against many diseases including tetanus, pertussis, meningitis, hepatitis A, hepatitis B, measles, rubella, mumps, influenza, chickenpox, human papilloma virus (HPV), polio, haemophilus type b, pneumococcal conjugate and rotavirus. Vaccines are administered by appointment; some travel vaccines are available. From infants to senior citizens, immunizations are one of the most important ways to protect yourself and others from preventable diseases.

FLU CLINICS are held every fall (1,044 Flu shots given in FY ’11/’12)
The Lenawee County Health Department (LCHD) is the Breast and Cervical Cancer Control Program (BCCCP) coordinating agency for Monroe, Lenawee and Hillsdale counties. We were the very first agency in the State of Michigan to begin screening women for breast and cervical cancer through the Centers for Disease Control (CDC) funded BCCCP in December, 1991.

The health department offers the BCCCP screening services to underinsured or uninsured women ages 40-64 years who meet program eligibility guidelines. Women are seen by a specially trained Nurse Practitioner who provides education, a clinical breast exam, pelvic exam and, if indicated, a mammogram and pap test. If a woman is diagnosed with breast or cervical cancer after her screening she may be eligible for immediate Medicaid assistance.

The WISEWOMAN Program offers cardiovascular screening and risk reduction services to underinsured and uninsured women who meet specific financial guidelines. In order to qualify for the program women must first be enrolled in our BCCCP. The WISEWOMAN screening consists of cholesterol and blood sugar testing, BMI calculation and blood pressure screening. A lifestyle counselor works with the women to assist them in setting specific goals to reduce their cardiovascular and diabetes risk through improving healthy eating behaviors, increasing physical activity and/or quitting smoking.

The Lenawee County Health Department (LCHD) WISEWOMAN Program also offers various group activities for program participants, such as our healthy grilling event, WISEWOMAN tea party and our Project Fresh coupon distribution that provides fresh fruits and vegetables for our participants from the farmer’s markets or road side stands.
SEWAGE DISPOSAL

Permits for construction and alteration of private and public, non-community on-site sewage disposal systems are required before installation or repair. Sanitarians evaluate one and two family dwelling sites for compliance with our local Lenawee County Environmental Health Code, issue permits and conduct inspections to ensure local code compliance. Sanitarians evaluate other sites of less than 10,000 gallons per day.

WATER

Permits for construction of new and replacement wells serving single family homes and public facilities not connected to a community water supply are required prior to construction. Sanitarians evaluate sites prior to issuance of a well construction permit to ensure that wells are constructed in areas that are properly isolated from potential sources of groundwater contamination. Inspections are conducted to ensure well code compliance. Water sample bottles are available at the Lenawee County Health Department to test water for bacterial and/or chemical contamination. Health department staff reviews laboratory test results to ensure compliance with established water quality standards.

NON-COMMUNITY WATER SUPPLIES

Water supplies on wells, such as restaurants, motels, campgrounds, small businesses, churches and schools are evaluated to meet Michigan’s Safe Drinking Water Act. These water supplies are inspected for well construction, isolation from contamination and compliance with water monitoring requirements.

Well & Septic Activity Summary

![Well & Septic Activity Summary Diagram]
The Environmental Health Division licenses and regulates food service establishments (i.e., restaurants) to ensure food safety.

The mission of the Lenawee County Health Department, as it relates to food safety, is to promote food-safety measures and sanitary conditions at all licensed food service establishments. Environmental health staff accomplishes this by assuring code compliance and following the practices and principles established in the FDA Food Code to protect the health of our communities. Additionally, environmental health sanitarians conduct food service plan reviews for proposed food service establishments. This insures compliance with construction requirements and safe food procedures prior to the food service opening for business.

**FOOD HANDLERS CLASS**
The Lenawee County Health Department offers food safety training to meet the needs of all individuals working in food service establishments.

Food handler’s education classes are offered on a monthly basis.
The classes provide basic food safety education that is valuable for all food service employees.

1,324 individuals attended food handler education classes offered by the Lenawee County Health Department in 2012

**MANAGER CERTIFICATION CLASS**
The Lenawee County Health Department offers manager certification classes for owners and managers that meet the requirements of the Michigan Food Law.
Manager certification classes are offered on a quarterly basis.
The classes provide detailed food safety information that enable owners and managers to actively manage food service establishments.

36 individuals attended manager certification classes offered by the Lenawee County Health Department in 2012

## STATS AT A GLANCE

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<td>8</td>
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Tobacco Reduction Program

The Tobacco Reduction Program at the Lenawee County Health Department seeks to fulfill the mission of the health department by reducing the number of individuals who are impacted by tobacco through education of both youth and adults, and by advocating for a tobacco free community. The Tobacco Reduction Program provides educational opportunities for youth and adults through collaboration with other groups and agencies. The Love Your Lungs Poster Contest and the Clothesline Project are two examples of our educational efforts.

The 4th Annual Love Your Lungs Poster Contest culminated with an awards ceremony on March 22, 2012. The contest provides an opportunity for students from around Lenawee County to show their support for smoke-free air, while competing to have their artwork displayed on a billboard in the county.

Kick Butts Day 2012 was celebrated in Lenawee County by constructing the Clothesline Project. The Clothesline Project was constructed in collaboration with the Lenawee Youth Council and other community partners. The week long Clothesline Project was displayed at the Lenawee County Human Services Building to draw attention to the unnecessary tobacco related deaths in Lenawee County.

Public Health Practice Plunge

On August 29, the health department hosted 45 students from the University of Michigan School of Public Health. Part of new student orientation, the Public Health Practice Plunge was designed to help students learn about how local health departments operate.

Our health department was one of five health departments chosen for this opportunity. After spending the morning hearing from administrative staff about health department programs, the students had a tour of the health department and the human services building and then played health department jeopardy or participated in an ice-breaker scavenger hunt with our Health Officer.

The afternoon was spent participating in community service projects at Habitat for Humanity Restore, Associated Charities and Hope Community Center.
The Health Department, in cooperation with the Lenawee County Prosecutor’s office, issued an Imminent Danger Order in June 2012, banning the sale of synthetic marijuana and bath salts.

The Imminent Danger Order was issued by Patsy Bourgeois, Health Officer, pursuant to MCL 333.2451 of the Public Health Code, to prevent danger to health or lives of Lenawee County residents due to the use and ingestion of these products.

**Population by Age (2010 census)**

- Under 5: 5689
- 5 - 17 yrs: 9466
- 18 - 24 yrs: 24021
- 25 - 44 yrs: 28697
- 45 - 64 yrs: 14580
- 65 and older: 17439

**Population by Gender (2010 census)**

- Under 4: Male 2958, Female 2731
- 5 - 9 yrs: Male 3182, Female 3065
- 10 - 14 yrs: Male 3227, Female 3468
- 15 - 19 yrs: Male 3588, Female 3858
- 20 - 39 yrs: Male 10986, Female 12515
- 40 - 64 yrs: Male 11446, Female 14211
- 65 and older: Male 17946, Female 1546

In March 2012, after many months of preparation, the Health Department went live with Insight, our Electronic Medical Record (EMR). A weeklong training was held to learn how to schedule appointments, enter services, and receive payments.
MISSION STATEMENT

The mission of the Health Department is to enable the citizens of Lenawee County to enjoy the best possible state of health, free from avoidable disease, disability and the threat of premature death.

The department promotes positive health behaviors among all citizens while seeking out particularly vulnerable population groups and individuals in need of health information and special services.

This department continues to develop new and better ways to improve the quality of life in Lenawee County through prevention and control of communicable and chronic diseases and monitoring and attending to environmental health needs of the community.

Patty Gray, Patsy Bourgeois, Mike Ernst, Susie Dice, Elaine McDonald and Martha Hall  Absent:  Teresa Bacon

LENAWEE COUNTY HEALTH DEPARTMENT

Patricia Bourgeois, R.N., M.S. ................................................................................................................................................ Health Officer
Elaine McDonald, R.N., B.S.N.. .................................................................................................................................... Director of Nursing
Martha Hall, REHS/RS, M.P.H.. .................................................................................................................. Director of Environmental Health
Patty Gray, R.N.C., WHNP .......................................................................................................................................... Nursing Supervisor
Dennis Chernin, M.D., M.P.H.. ......................................................................................................................................... Medical Director
Michael Ernst, B.B.A. ........................................................................................................................................................... Finance Director
Susie Dice, B.A., M.P.H. .............................................................................. Emergency Preparedness Coordinator/Health Educator

BOARD OF HEALTH
2012

John Tuckerman, Chairperson
John Frye, Vice Chair
Lorrie Tritt
Lee Ann Minton
Marian Haynes
Teresa Bacon, Secretary

Board meetings are held monthly (3rd Wednesday at 4 p.m.)

Lenawee County Health Department Board of Health members:
Front row: Marian Haynes, Lorrie Tritt, Lee Ann Minton
Back row: John Tuckerman, Chair and John Frye, Vice-Chair