

MACOMB COUNTY HEALTH DEPARTMENT

MACOMB COUNTY HEALTH DEPARTMENT

2005 ANNUAL REPORT TO THE COMMUNITY

Macomb County Health Department

2004 Annual Report

Lake St. Clair

The 2003 Annual Report
Macomb County Health Department

2002 Annual Report

The 2001 Annual Report
Macomb County Health Department

Reflections

50 Years of Public Health In Macomb County

The 2000 Annual Report
Macomb County Health Department

1999

MACOMB COUNTY HEALTH DEPARTMENT
ANNUAL REPORT

MACOMB COUNTY HEALTH DEPARTMENT

1998

MACOMB COUNTY HEALTH DEPARTMENT

1997
annual report

50th Anniversary 1957-2007

2006 ANNUAL REPORT

2006 Board Of Commissioners

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Vice-Chair

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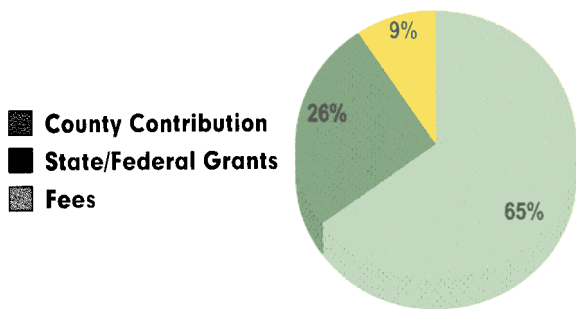
Don Brown **
Vice-Chair

** HEALTH SERVICES COMMITTEE

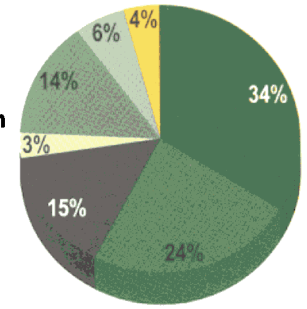
MACOMB COUNTY HEALTH DEPARTMENT 2006 BUDGET

REVENUES: \$27,041,494

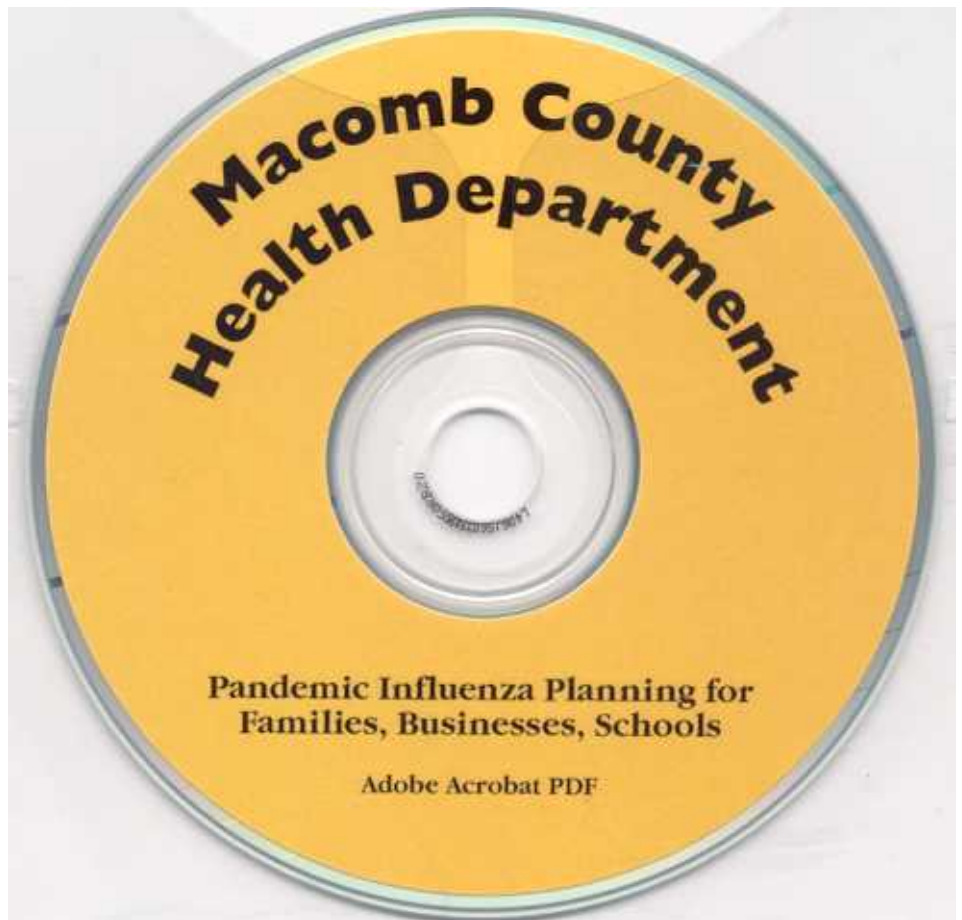
EXPENSES: \$27,041,494



- Family Health Services
- Environmental Health
- Health Promotion/Risk Reduction
- Emergency Preparedness
- Administration
- Animal Shelter
- Medical Examiner



Please take advantage of this CD provided by the Macomb County Health Department's Office of Emergency Preparedness Program.



Letter From The Director

Dear Friends and Colleagues:

As Director of the Macomb County Health Department, it is my pleasure to present our Annual Report for the Year 2006. The Department's success in improving the personal and environmental health status of Macomb County can be credited to the consistent support of the Macomb County Board of Commissioners, the dedicated efforts of our employees and the partnership with public and private providers.

Highlights for 2006 include both new and ongoing health services in Macomb County:



- The Cardiovascular Disease Risk Reduction Program screened 7,415 individuals for heart disease, high blood pressure and increased cholesterol levels.
- Our Health Education Program piloted thirty-two "Lunch and Learn" presentations in worksites and municipal offices throughout the county.
- The Department continues to assess and provide immunization services at our Women, Infants and Children (WIC) programs, increasing the County's WIC immunization levels in the Michigan Care Immunization Registry to 80% in 2006.
- The Health Department was given approval to build a new 6,000 square-foot morgue. This long-awaited and badly needed facility will replace the existing 55 year old morgue.
- The Department also continues to lead the State in programs that protect surface water and beaches. The \$2.5 million MDEQ-funded Lake St. Clair Regional Monitoring Project finished collecting data on stream flow, water, and sediment quality throughout the watersheds of the Clinton, Belle, Pine, and Black Rivers. The project is a model for multi-county environmental collaboration and produced a prototype water quality database.

We also have been moving forward in our pandemic influenza preparation: a mass Flu immunization exercise was held at Freedom Hill County Park providing 2,360 doses over three days. Additional Department emergency preparedness information can be found on the CD located on the inside front cover of this report.

I hope you will take a moment to peruse the many services this report contains and contact me if you have any questions or comments. You may also wish to visit our newly re-formatted web site at www.macombcountymi.gov/publichealth for additional information.

Sincerely,

Thomas J. Kalkofen, M.P.H.
Director / Health Officer

**Accredited with Commendation
by the Michigan Public Health
Accreditation Commission**

Selected Health Indicators

MATERNAL AND INFANT HEALTH - 2005

Most maternal and infant health indicators for Macomb County compare favorably with Statewide figures.

Maternal and Infant Indicators	Macomb County	Michigan
Total Births	9,978	127,518
% Teen Births (<20 Yrs. Of Age)	4.7	9.4
% Low Birthweight (1)	8.3	8.4
% Very Low Birthweight (2)	1.5	1.7
% Preterm (3)	10.1	10.0
% First Births	41.6	38.5
% Less than 12 Grade Education	11.5	16.9
% Smoked While Pregnant	11.5	13.7
% Unmarried	24.1	36.7
Infant Death Rate (4)	6.1	7.9
White Infant Death Rate (5)	5.0	5.8
Black Infant Death Rate (6)	15.2	17.5

Notes:

- (1) Low weight births are less than 2,500 grams
- (2) Very low weight births are less than 1,500 grams
- (3) Preterm births are infants born prior to 37 completed weeks of gestation
- (4) Infant deaths per 1,000 live births
- (5) Three Year Moving Average, Infant deaths per 1,000 live births
- (6) Three Year Moving Average, Infant deaths per 1,000 live births

Source: 2005 Resident Birth-Death File, Division for Vital Records and Health Statistics Michigan Department of Community Health

LEADING CAUSES OF DEATH - 2005

Most major causes of death in Macomb County are similar to those Statewide. Macomb County does not compare favorably to the State of Michigan on risk factors for cardiovascular disease (CVD). Macomb adults are more likely to have high blood pressure and high cholesterol, and to smoke cigarettes. These risk factors help make heart disease the leading cause of death in Macomb County. Additional statistical information can be viewed on the Health Department web site at www.macombcountymi.gov/publichealth/BRFS/healthstat.htm

Leading Causes of Death and Age-Adjusted Death Rates, Macomb County Residents, Michigan Residents, 2005					
Rank in Michigan	Cause of Death	Number of Deaths		Rate of Deaths	
		Macomb	Michigan	Macomb	Michigan
1	Heart Disease	2300	25098	244.5	236.5
2	Cancer	1791	20077	198.7	193.4
3	Stroke	411	5049	43.5	47.6
4	Chronic Lower Respiratory Disease	380	4468	41.6	43.0
5	Unintentional Injuries (Accidents)	243	3426	28.3	33.3
6	Diabetes Mellitus	270	2846	29.6	27.2
7	Alzheimer's Disease	137	2358	14.1	21.8
8	Pneumonia/Influenza	137	1955	14.5	18.3
9	Kidney Disease	166	1655	17.8	15.7
10	Intentional Self-Harm (Suicide)	84	1103	10.0	10.8
	All Other Causes	1504	18750	164.7	179.2
	Total	7423	86785	807.4	826.8

Notes:

Age-adjusted death rates use a "standard" population with an age distribution equal to that of the total population of the United States for the year 2000.

Source: 2005 Michigan Resident Death File, Division for Vital Records and Health Statistics Michigan Department of Community Health

Environmental Health

FOOD SERVICE SANITATION PROGRAM

The "Food Safety Training for Food Service Establishments" regulation, approved by the Macomb County Board of Commissioners, requires a manager at each food service establishment who is certified in safe food handling practices. The purpose of the regulation is to reduce the incidence of foodborne illness associated with food obtained from food service establishments.

In 2006, 223 food service managers completed the certified manager course offered by the Macomb County Health Department. For information on classes offered by the Macomb County Health Department, please contact the Environmental Health Services Division at (586) 469-5236.

A copy of the regulation may be obtained at the Environmental Health office of the Macomb County Health Department, 43525 Elizabeth Road, Mt. Clemens, Michigan, 48043, during normal business hours. The regulation can also be viewed on the Health Department web site at www.macombcountymi.gov/publichealth/EH/FoodEducationTraining.htm

Total licensed food service facilities in Macomb County = 2,363

Number of services performed in 2006	
Food Service Inspections.....4,419	Food Service Construction Plans Reviewed 156
Follow-up Inspections.....1,500	Food Borne Outbreak Investigations 18
Temporary Food Inspections390	Food Service Complaints Investigated..... 395

WEST NILE VIRUS MONITORING

The Environmental Health Services Division continued to monitor the county for West Nile Virus activity through mosquito testing and dead corvid (crows, blue jays, etc.) reporting. Surveillance began the first week of June and ended the first week of September.

Mosquito traps were set out at several locations and were rotated around the county each week. In 2006, no mosquito pools tested positive for West Nile Virus.

In 2006, the Board of Commissioners approved the continuance of the West Nile Virus Assistance Fund in the amount of \$250,000 to be utilized by county municipalities to conduct mosquito control activities such as larvaciding and habitat reduction in addition to educational activities. Two human cases were reported in Macomb County in 2006.

Residents can reduce their risk of exposure to West Nile Virus by avoiding contact with mosquitoes:

- Avoid shaded areas where mosquitoes are present
- Limit outdoor evening activities
- Wear long-sleeved shirts and long pants
- Use insect repellent that contains DEET
- Maintain window and door screens

In addition, homeowners can reduce the mosquito population by eliminating standing water in their yards. Examples include clogged rain gutters, swimming pools and children's wading pools that are not maintained, standing water in outside containers, in old tires, and on boat covers. Additional West Nile Virus information can be viewed on the Health Department web site at www.macombcountymi.gov/publichealth/EH/WestNileVirus.htm

Environmental Health

PUBLIC SWIMMING POOL PROGRAM

The Environmental Health Services Division performs yearly inspections of all licensed public swimming pools and spas in Macomb County. Inspections address the condition of the pool structure, the enclosure area, water filtering equipment and safety equipment. Pool water quality is monitored throughout the swimming season by requiring pool owners to contract with a laboratory to conduct weekly testing and send the results to the Health Department. In 2006, the Health Department laboratory began offering bacteriological water testing services to public pool owners.

Total licensed public swimming pools in Macomb County = 340. Additional Public Swimming Pool information can be viewed at www.macombcountymi.gov/publichealth/EH/PublicPoolSpa.htm

ST. CLAIR RIVER/LAKE ST. CLAIR DRINKING WATER PROTECTION PROJECT

Ten communities receive drinking water from the St. Clair River and Lake St. Clair system, from Port Huron southward to Detroit, including the cities of New Baltimore and Mt. Clemens. Also located along this watercourse are numerous sewage treatment plants and industrial facilities, on both the U.S. and Canadian sides. Unfortunately, due to outdated infrastructure, equipment malfunctions and human error, spills of sewage, industrial chemicals and other polluting materials occur with increasing frequency.

Investigations into two notable recent spills, on August 14, 2003 and on February 1, 2004 ("Super Bowl spill") led to the discovery of approximately 700 other spills which originated from the area known as "Chemical Valley" near Sarnia, Ontario since 1986. Most of these spills were unreported and therefore no action could be taken to protect drinking water intakes from this contamination.

Concerns brought to light by the above findings led Congresswoman Candice Miller to arrange for the appropriation of \$1 million for Macomb and St. Clair counties to establish a real-time drinking water monitoring system at ten drinking water plants located along the St. Clair River/Lake St. Clair corridor. With Local, County and State matching dollars, the entire project fund is approximately \$1.8 million.

An application and work plan were submitted to the USEPA in early 2006 and the grant was officially awarded in April, with Macomb County assuming the role of project fiduciary. A competitive bid process led to the hiring of a project management contractor in late summer of 2006. Installation of the monitoring equipment has begun and the monitoring network is expected to begin gathering data in the summer of 2007. Other project activities being carried out by the contractor include equipment start-up and trouble-shooting, development of a data management system, and training of water plant staff to operate the monitoring equipment.



Environmental Health

ENVIRONMENTAL MANAGEMENT AND RISK ASSESSMENT (EMRAP)

In 2006, the EMRAP program was engaged in 86 environmental incidents involving hazardous and polluting materials, which held the potential for adversely affecting public health and the environment. Working with local first responders, State and federal environmental agencies, EMRAP assisted in bringing these incidents to successful conclusions.

EMRAP's Household Hazardous Waste program conducted 18 separate collection events in 2006 and accommodated 2,731 clients, diverting over 73 tons of hazardous waste and more than 3,400 gallons of waste oil from potential landfill disposal. Additionally, in response to the growing concern of trace pharmaceuticals appearing in our surface water, EMRAP expanded its pill collection and disposal program to include a daily collection encouraging clients to deliver unwanted medications to the Health Department and discontinue the long-standing practice of flushing them down the toilet. Additionally, plans were solidified for 2007 "controlled substance" collection in cooperation with Senior Citizen Services and the Sheriff Department. E-wastes (i.e. computer components) were also targeted for removal from the traditional solid waste stream due to their high lead and mercury content. In cooperation with Goodwill Industries, an E-waste collection was held at the Armada Fairgrounds, which resulted in over 900 pieces of computer associated components and equipment being collected.

ONSITE SEWAGE DISPOSAL AND ONSITE WATER SUPPLY PROGRAMS

The Macomb County Environmental Health Services Division is responsible for the enforcement of regulations for the collection, treatment, and disposal of sanitary sewage discharges that do not connect to a municipal sewerage system. The Department also regulates all water supplies that come from a source other than a municipal supply. These regulations work together to ensure that systems and supplies are constructed and maintained properly to protect public health and the environment. Secondary benefits of these programs include increased public awareness and education which emphasizes an owner's actions and responsibilities that will positively impact the health of the public and the environment.

The following statistics show the permit issuance activity that occurred with each program area during 2006. All permits issued are followed up with several inspections to ensure compliance with the regulations.

On-Site Sewage Disposal Permits Issued		On-Site Water Supply Permits (Residential & Small Commercial)		Evaluation & Maintenance Inspections Sewage Disposal	Evaluation & Maintenance Inspections Water Supply
New Residential	101	New	101	544	236
Residential Replacement	279	Replacement/Repair	67		
Commercial New & Repair	8				

Of the sewage disposal and water supply maintenance evaluations conducted, 94 sewage disposal and 55 water supply systems were found to not be functioning at an adequate level. The repair and replacement of these systems and other permitted installations contributed to preventing contamination of ground and surface waters in Macomb County.

Health Promotion/ Disease Control

PROGRAM SUMMARY 2005/2006

PROGRAM	PEOPLE SERVED	PROGRAM	PEOPLE SERVED
Breast & Cervical Cancer Screening	560	Hearing & Vision Screening	119,836
Cardiovascular Disease Risk Reduction	7,415	HIV/AIDS Counseling & Testing	1,793
Child Passenger Safety Program	264	Partners of HIV Positive Testers Notified	31
Communicable Disease Investigations	1,662	Nutrition Services	5,948
Community Health Outreach Program	854	Sexually Transmitted Disease Testing	3,364
Health Education	13,012	& Education	3,387
		Travel Information	588
		Tuberculosis	239

SCHOOL IMMUNIZATION PROGRAM 2006 MCIR-SIRS TRAINING

Michigan and Macomb County laws require schools and child care programs to report the immunization status of new entering students each year. This requirement lead to 53,266 immunization record reviews in 2005. To prepare for 2006, schools and child care programs needed to change reporting through the School Immunization Reporting System (SIRS), a computer based software reporting, to an online web-based reporting system, MCIR-SIRS.

The School Immunization Program staff developed and presented two general overview sessions followed by training sessions in each of the 22 Macomb County School districts. Prior to the district training session, School Immunization Program staff assisted school and child care program staff through the complex MCIR-SIRS authorization and registration process.

Training of private school and child care program personnel was accomplished though telephone contact. The School Immunization Program also developed a new user manual in the fall of 2006 that was sent to each school and child care program.

As a result of these efforts, 565 schools and child care programs are now using the MCIR-SIRS online web-based reporting system. The School Immunization Program staff continues to provide support and assistance to resolve MCIR-SIRS issues.



Health Promotion/ Disease Control

PANDEMIC INFLUENZA EDUCATIONAL CAMPAIGN

Pandemic Influenza is a potential public health threat that has generated much media attention in the past year. The Macomb County Health Department has been collaborating with many other public health and community agencies to address this concern. Plans are in place to coordinate a countywide response should the need arise.

To keep residents and members of our community up-to-date, the Health Department's Pandemic Influenza Workgroup has created promotional materials, informational displays and community presentations, as well as website development. All of these efforts are aimed at differentiating between seasonal, avian and pandemic influenza and focusing on preparedness. The campaign, titled ***Pandemic Influenza: Be Prepared, Not Scared***, targets awareness and educational outreach to all facets of the community including employees, businesses, municipalities, schools, long term care facilities, and other community agencies and groups.

For more specific information on Pandemic Influenza, view the Health Department web site at www.macombcountymi.gov/publichealth/EPP/EmergencyPreparednessProgram.htm.

HEALTHY KIDS HEALTHY FUTURES FUN & FITNESS DAY

The Macomb County Healthy Kids Healthy Futures Coalition is a community based coalition with active participation from local agencies that share a common mission to promote healthy nutrition choices and physical activity behaviors among Macomb County children. The long-range goal of the coalition is to reduce the incidence of childhood obesity and chronic diseases, such as Type II diabetes, high blood pressure and cardiovascular disease.

To promote good health and physical activity in not just children but entire families, the HKHF Coalition sponsored the first annual "Fun and Fitness Day 2006" last summer in Washington Township. This event invited families to take walks of one, two, or three miles on the Macomb Orchard trail, 24 miles of former railroad land located across northern Macomb County. Recently opened to the public, it serves as a link to 180 miles of existing non-motorized trails all over southeastern Michigan.



Fun and Fitness Day 2006 also encouraged families to visit healthy information displays, which highlighted nutrition ideas for healthy meals and snacks. In addition, all families received a resource directory, "Out and About in Macomb County," a guide to fun physical activities for families. Participants had the opportunity to enter into a raffle for children's bicycles and scooters. Free healthy snacks and beverages were provided and adults who walked the trail received a free pedometer. For more information view the following web site www.macombcountymi.gov/publichealth/HPDC/HealthyKidsHealthyFutures.htm

Health Promotion/ Disease Control

CLINICAL LABORATORY IMPROVEMENT AMENDMENTS (CLIA) 2006 ANNUAL REPORT TO THE COMMUNITY

The Macomb County Health Department's Family Planning, WIC, and STD clinic programs offer a select group of laboratory tests that are performed on site by qualified health care professionals.

Macomb County clinical laboratories are compliant with the Centers for Medicare and Medicaid Services (CMS) Clinical Laboratory Improvement Amendments (CLIA) under the direction of the Michigan Dept of Community Health Region 1 Laboratory Director. CLIA requires that a laboratory establish and follow a quality control program for testing performed by the laboratory to ensure accurate patient results. In addition, personnel who perform clinical diagnostic testing are required to be routinely assessed and demonstrate competency in procedural methods to establish proper technique and safety guidelines for patient testing.

Physical laboratory inspections that cover biosafety guidelines, quality control, and quality assurance reviews are routinely performed internally. The Region 1 Laboratory Director inspects annually, and CLIA compliance is assessed every two years by the Centers for Medicare & Medicaid Services Regional CLIA Consultant.

Macomb County Health Department has 6 laboratory sites that performed the following number of tests for 2006:

10,623	Hemoglobin
1,330	Urine Pregnancy
14	Urinalysis - determines the level of protein, glucose, nitrite, and leukocytes in a patient's urine
1,429	Total Cholesterol
1,429	HDL Cholesterol
1,291	Wet Mount- aids in the diagnosis of candidiasis, trichomoniasis, and bacterial vaginosis
208	Gram stain-aids in the diagnosis of gonorrhea and non-gonococcal urethritis

TOP TEN COMMUNICABLE DISEASES IDENTIFIED IN MACOMB COUNTY – 2006

Influenza-like Illness	62,393	Chronic Hepatitis B.....	175
Chlamydia	1,380	Viral Meningitis.....	87
Gonorrhea	468	Salmonella	72
Varicella (Chickenpox)	462	Campylobacter	69
Chronic Hepatitis C.....	387	Invasive <i>S. pneumonia</i> Disease.....	63

Source: 2006 Communicable Disease Epidemiology,
Michigan Department of Community Health

Family Health Services

PROGRAM SUMMARY 2006

PROGRAM	PEOPLE SERVED
Children's Special Health Care Services	1,107
Public Health Nursing	7,884
Dental	2,421
Family Planning.....	3,154
Women, Infants and Children (WIC)	8,207

CHILDREN AND ADULT IMMUNIZATIONS

The Macomb County Health Department provides immunizations to children and adults to prevent communicable diseases and added 5 new vaccines and/or combinations to its daily walk-in clinics. During 2006, immunization clinics provided the following protective doses:

Child Immunizations (Birth thru 18)

- Measles/Mumps/Rubella — 4,062 doses
- Varicella (Chickenpox) — 3,846 doses
- Diphtheria/Tetanus/Pertussis (Whooping Cough) — 10,292 doses
- Haemophilus influenza type b (HIB disease) — 4,446 doses
- Hepatitis A — 1,753 doses
- Hepatitis B — 5,206 doses
- Influenza — 3,963 doses
- Polio — 6,379 doses
- Meningitis — 433
- Human Papillomavirus — 12
- Pneumococcal Coniugate — 5,892 doses

Adult Immunizations (19 Years & Older)

- Hepatitis A — 771 doses
- Hepatitis B — 2,615 doses
- Diphtheria/Tetanus/Pertussis — 2,110
- Human Papillomavirus — 4
- Influenza — 6,057 doses
- Meningitis — 1,035 doses
- Pneumonia — 172 doses
- Shingles Vaccine (Zoster) — 7
- Polio — 124 doses
- Varicella — 431
- Rabies Pre/Post-exposure — 48 doses

Of children 19-36 months old who were current clients of the Health Department, 86% were completely immunized. For all 19-36 month old children in Macomb County, 70% were completely immunized.

FAMILY PLANNING PROGRAM

The Family Planning Program serviced 3,154 clients in 2006, providing reproductive education, pelvic exams, Pap smears, and contraceptives at reduced rates. For further assistance, low-income clients between 19 and 44 years of age are encouraged to apply for the Plan First! Program that the State of Michigan began in July. This program covers the cost of the gynecological exams and birth control for eligible females. Applications are available in our Family Planning Clinics. To further increase awareness of this program and to increase outreach to low-income females, letters of explanation have been sent to physicians in the community.

The Program has recently seen an increase in uninsured clients with multiple health concerns. To address these health concerns a part-time Physician Gynecologist, who can evaluate clients with more serious health problems and provide direction on how to proceed with their health care, has been added to the current staff of two full-time Nurse Practitioners. The expertise of these three practitioners, with support from both nursing and clerical staff, facilitates provision of high quality service to all clients, regardless of their circumstances. For additional information visit: www.macombcountymi.gov/publichealth/ClinicServices/fhs_famplan.htm

Family Health Services

VACCINES FOR CHILDREN

The Macomb County Health Department continues working with the private sector in providing vaccine availability through the Vaccines for Children program (VFC) to eligible children, keeping children in their medical home for comprehensive care, including recommended childhood immunizations. During 2006, the Department distributed 64,824 doses of Federally funded childhood recommended vaccines to 86 VFC private physicians for their eligible clients under the age of 19 years.



INFANT MORTALITY REDUCTION

To assist in reducing overall infant mortality, a Macomb County Fetal-Infant Mortality Review (FIMR) team was developed in 2005-06 under a grant from the Michigan Department of Community Health. The FIMR process brings a community team together to examine confidential, de-identified cases of infant death. The purpose of these reviews is to understand how a wide array of local social, economic, public health, educational, environmental and safety issues relate to the tragedy of infant loss.

In efforts to reduce the Black-White disparity in infant mortality, the Department utilized a grant from the Michigan Department of Community Health to develop an Infant Mortality Coalition in 2005-06. The Coalition will serve as a forum to share ideas, solve problems, identify best practices, rise to challenges and analyze and celebrate successes in reducing excess infant mortality disparity among Macomb County's African American population.

The Health Department is analyzing information on African American infant deaths in order to identify local issues which may lead to poor birth outcomes and to set goals for improving services and resources. In 2006 focus groups were held and the coalition membership was increased to 40 diverse members representing key areas in the community including; churches, health and hospital providers, United Way of Southeastern Michigan, Blue Cross Blue Shield, The Black Nurses Association, community-member focus group participants and community-based organizations. Community awareness efforts have included radio interviews, newspaper coverage and tri-county community awareness campaigns.

MICHILD/HEALTHY KIDS

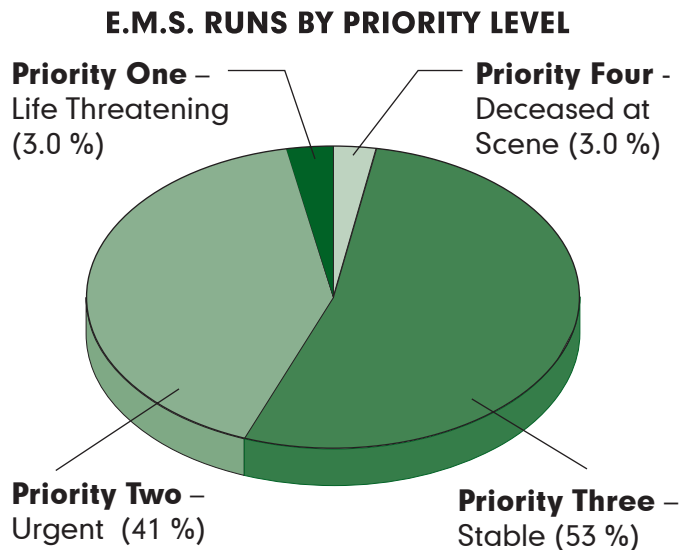
During 2006, 1,246 low-income Macomb County children and pregnant women received MIChild/Healthy Kids health insurance through public health outreach and case finding efforts, providing them with a medical home and access to quality well child care, immunizations screening tests, and sick care supervision.



Emergency Services

EMERGENCY MEDICAL SERVICES

Emergency Medical Services operates under the Public Health Code and is under the jurisdiction of the Macomb County EMS Medical Control Authority/Board. This Authority/Board is charged by law to oversee the provision of EMS in the county and holds accountable prehospital providers and personnel, to policies/protocols adopted by the Authority/Board.



The Authority/Board consists of participating hospitals, prehospital providers both public and private, and representatives of police, fire, consumer and public health. The Authority/Board acts as an advisory to the Macomb County Board of Commissioners which also has a representative on the board.

The Emergency Medical Services provides a quick response to all citizens in crisis with an advanced system covering the entire county. Through radio communications, prehospital personnel have access to emergency facility physicians for necessary medical direction and transport to the closest appropriate facility.

MACOMB COUNTY MEDCOM RUN STATS

	Jan.	Feb.	March	April	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
2003	2664	2373	2484	2336	2653	2572	2583	2718	2612	2667	2588	2894
2004	3203	3043	3205	3102	3109	3319	3155	3214	3277	3277	3001	3369
2005	3606	3351	3473	3422	3477	3402	3299	3435	3529	3475	3434	3667
2006	3544	3265	3667	3448	3724	3488	3722	3688	3602	3765	3598	3651

EMERGENCY PREPAREDNESS PROGRAM

The Emergency Preparedness Program is charged with strengthening the Health Department's capacity to respond to public health emergencies.

During 2006, staff received training on the National Incident Management System and participated in exercises that tested response plan components. Under the Cities Readiness Initiative, the Health Department continued to partner with local municipalities for dispensing medications during a public health emergency. Response plans were expanded to include pandemic influenza. Pandemic influenza workshops were also provided for school staff, in collaboration with the Macomb Intermediate School District.

The Health Department participates in the Local Emergency Planning Committee, the Urban Area Security Initiative, the Region 2 North Bioterrorism Response Network and Safe Macomb. All response planning is coordinated with the Macomb County Office of Emergency Management. For more information, go to www.macombcountymi.gov/publichealth and select Emergency Preparedness Program from the drop-down menu.

Office Of The Medical Examiner

OFFICE OF THE MEDICAL EXAMINER

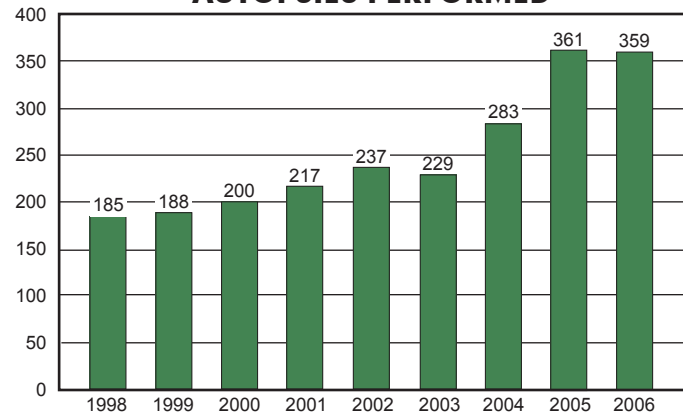
Operating administratively under the Macomb County Health Department, the Office of the Medical Examiner investigates the cause and manner of deaths involving violence, accidents, and deaths not attended by a physician.

The investigation includes an examination of the scene, an autopsy where necessary to determine the cause and manner of death, and the certification of death certificates for these cases. This investigation provides information relative to criminal prosecution in appropriate cases, settlement of estates, and public health statistics on communicable disease and other mortality data.

In 2006, the Office of the Medical Examiner investigated 1,596 deaths, performed 501 examinations including 359 autopsies and 142 external exams. This office issued 2,467 cremation permits. The Office of the Medical Examiner also took reports of 1,157 home hospice deaths. These deaths are tracked separately from regular Medical Examiner cases.

A Medical Examiner Investigator is available at all times to respond to calls from the police, hospital personnel or hospice personnel.

AUTOPSIES PERFORMED



AGE BREAKDOWN BY CAUSES OF DEATH - 2006

2006	<20	20-29	30-39	40-49	50-59	60-69	70-79	80 & >	Grand Total
Natural	12	6	33	106	174	184	267	433	1215
SIDS	2	0	0	0	0	0	0	0	2
Drug OD	7	29	30	45	30	6	1	0	148
Guns	5	7	6	9	7	10	2	3	49
Stabbing	0	0	2	0	3	0	0	0	5
Hanging	1	1	11	1	2	0	0	1	17
Motor Vehicle	6	6	7	5	10	3	7	5	49
Poison	0	1	3	3	1	0	0	2	10
Drowning	5	0	0	1	0	0	0	1	7
Fall or Crushing	3	3	2	4	3	3	11	31	60
Other	3	3	6	4	2	2	2	3	25
Undeterminable	1	0	1	0	0	0	0	0	2
Pending	0	0	0	0	0	0	0	0	0
Non-Human**	na	na	na	na	na	na	na	na	7
Totals	45	56	101	178	232	208	290	479	1596
Suicides	6	7	19	17	15	11	2	4	81
Homicides	2	5	3	2	4	0	0	0	16
Accidents	16	42	37	51	35	6	21	39	247

**The Non-Human category includes all cases of non-human (animal) bones brought to the Medical Examiner by law enforcement agencies.

Animal Shelter & Web Site

ANIMAL SHELTER

The Animal Shelter is committed to ensuring the safety of Macomb County residents with regard to animal related issues, while providing appropriate and humane treatment of the animals. The Shelter's animal placement services have been expanded to include utilization of approved animal rescue leagues and donation of dogs to various service organizations including Leader Dogs, Paws with a Cause, and the U.S. Customs Service.

The Animal Shelter provides a wide range of animal related services, including pet adoptions, shelter for lost or unwanted animals, animal cruelty investigations, enforcement of State dog laws, dog licensing, animal bite reports, and quarantine follow up, rescue services for both wild and domestic animals, removal of deceased animals from roadways, and placement services for exotic animals. See www.macombcountymi.gov/publichealth/animal.htm

	2003	2004	2005	2006
Animals Received	12,261	12,935	11,700	14,300
Returned to Owners	1,260	1,456	1,179	1,198
Adopted	1,453	1,459	1,370	1,354
Received Stray	5,623	6,169	5,317	5,677
Given Up by Owners	4,183	4,299	4,238	4,975
Exotic / Other (pocket pets)	211	239	115	126
Wild	1,608	1,612	1,487	2,940
Received Deceased	636	625	561	577

HEALTH DEPARTMENT WEB SITE

The redesigned Web site features expanded information about the Health Department's programs and services, and navigating the site is straightforward and more appealing.

The redesigned Web site provides visitors with multiple ways to access information including Google searches, drop-down lists and A-Z alphabetical keyword indexes. New buttons on the home page include "Forms", where visitors can download and print 15 commonly requested Environmental Health forms, and "Fees", where visitors will find accurate fee information for a variety of Health Department services.



In addition, visitors may subscribe to many of the Health Department Web pages and receive automatic notification by e-mail when content changes on the pages.

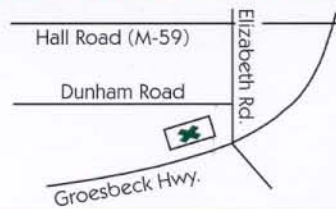
Do you have questions about health statistics or environmental issues in Macomb County, want to know more about the pet adoptions and dog licensing, beach closings or how to protect yourself against the flu? One quick and easy way is to click onto the Macomb County Health Department on the Internet.

www.macombcountymi.gov/publichealth

For further information call (586) 469-5699

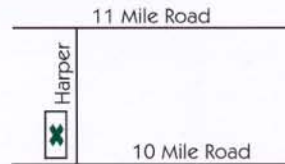
CENTRAL HEALTH SERVICE CENTER

43525 Elizabeth Road
Mt. Clemens,
Michigan 48043
(586) 469-5235



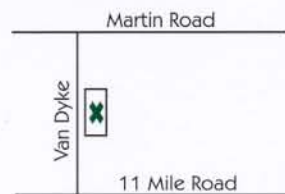
SOUTHEAST HEALTH CENTER

25401 Harper Avenue
St. Clair Shores,
Michigan 48081
(586) 466-6800



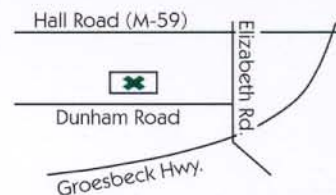
SOUTHWEST HEALTH CENTER

27690 Van Dyke
Warren,
Michigan 48093
(586) 465-8090



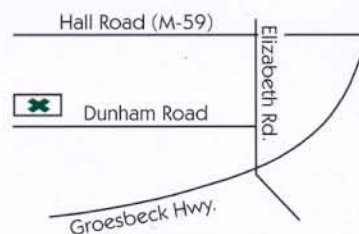
WIC/(WOMEN, INFANTS & CHILDREN)

Verkuilen Building
21885 Dunham Road
Clinton Township,
Michigan 48036
(586) 469-5471



MACOMB ANIMAL SHELTER

21417 Dunham Road
Clinton Township,
Michigan 48036
(586) 469-5115



KNOLLWOOD OFFICE CENTER

16931 19 Mile Road
Clinton Township, #130
Michigan 48038
(586) 412-3387



NINE MILE FACILITY

6800 E. 9 Mile Road
Warren,
Michigan 48091

