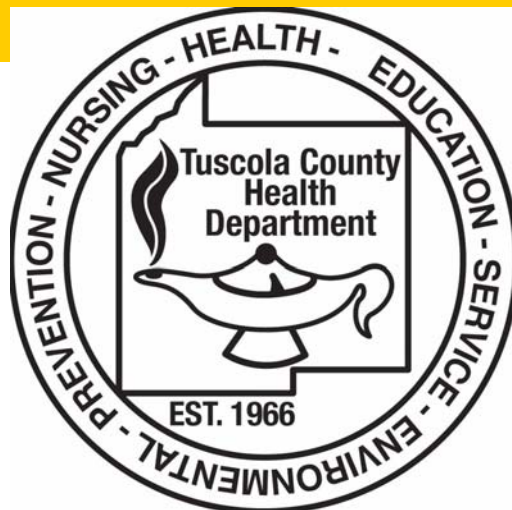


TUSCOLA COUNTY HEALTH DEPARTMENT

FY 2005-2006 ANNUAL REPORT



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Tuscola County Health Department Mission, Vision Statement & Vision Priorities

Mission

We are dedicated to promoting and protecting the health of Tuscola County residents by providing a wide range of quality human services.

Vision

The Tuscola County Health Department will be recognized by the public and the medical community as a valuable asset in providing resources and innovative approaches to health promotion and protection in the community.

Vision Priorities

- We engage the community to meet their health care concerns while recognizing the community's social, environmental, behavioral, economical and physical well being
- We adapt programs and services to meet the needs of the community
- We play an integral role in emergency preparedness
- We pursue funding avenues that coincide with our mission and vision
- We have effective Public Relations that promote our services
- We utilize advancements in technology to improve community services
- We engage in educational opportunities that advance the knowledge of our staff
- Effective teamwork is present among employees



2005/06 EMPLOYEE LIST
Tuscola County Health Department

NAME	TITLE	HIRE DATE
Anthes, Beth	PHN II	11/13/00
Auld, Sylvia	PHN II	10/17/05
Barrons, Deb	Program Clerk II	4/27/92
Bellsky, Sally	PHN II	7/8/92
Brinkman, Marcy	PHN II	2/23/98
Buckey-Jamrog, Amy	Social Worker	10/14/03
Caverly, Doraine	Account Clerk	7/10/78
Clark, Marsha	Program Clerk II	8/13/73
Cuthrell, Amy	Abstinence Program Assistant Coordinator	11/09/06
Dickinson, Janelle	Program Clerk II	7/5/89
Dunham, Patty	Clinic Assistant/Clerk II	10/27/85
Germain, Kelly	PHN II/Program Coordinator	5/28/91
Gutierrez, Elva	Clinic Assistant/Clerk II	1/5/93
Harrington, Lorraine	Registered Dietitian	5/7/86
Hepfer, Ann	Nursing Administrator	10/31/88
Hicks, Carol	Administrative Services Coordinator	12/17/74
Johnson, Sue	Program Clerk II	1/7/91
Kile, Ruth	Program Clerk II	1/4/93
MacGuire, Tip	Environmental Health Director	7/12/93
McCollum, Nancy	Billing Clerk	11/26/79
Mika, Sharon	P.H. Emergency Preparedness Coordinator	8/26/02
Milazzo, Dianne	Clinic Assistant/Clerk II	1/8/00
Miller, Nancy	Nurse Practitioner	2/27/06
Peters, Lugene	Program Clerk II	8/6/90
Pokorski, Kathy	PHN II/Department Coordinator	7/21/03
Ramsden, Jill	Program Clerk II	7/6/06
Sammons, Bonnie	Fiscal Manager	2/19/74
Singer, Kent	Registered Sanitarian III	6/7/95
Smallwood, Dennis, DO	Medical Director	3/1/87
Smith, Mary	PHN II	7/28/06
Spiekerman, Larry	Veteran Affairs Director	1/1/90
Stephens, Carol	MIS Manager	10/7/74
Suber, Christina	Social Worker	3/11/98
Tanton, Si	Sanitarian II	1/17/06
Tenbusch, Gretchen	Health Officer	2/1/88
VanOchten, Jessica	Hearing & Vision Technician	2/27/06
Villalobos, Kristi	PHN II/Department Coordinator	9/28/98
White, Jerry	Registered Sanitarian III	5/15/91
Williams, Karen	Clinic Assistant/Clerk II	5/8/00

**Gretchen Tenbusch, R.N., M.S.A.
Health Officer**



On behalf of the Tuscola County Health Department staff, I am pleased to present this Annual Report. This report is intended to highlight accomplishments for fiscal year 2005-2006. The Tuscola County Health Department continues efforts to promote and protect the health of Tuscola County residents during these challenging economic times, as resources continue to diminish. As individuals, we need to find the time and energy to live healthier lifestyles and lead more productive lives to positively impact health indicators. These changes must start individually, until collectively we make better lifestyle choices and activities a habit.

The Thumb Rural Health Network identified obesity and physical inactivity as health issues in the Thumb of Michigan. In response, the Thumb Rural Health Network conceived the idea of Thumb Steps Up and assisted with grant writing. In May 2006, the Tuscola County Health Department received Federal funding to implement a Thumb Steps Up grant, in cooperation with Huron and Sanilac County Health Departments, 3 MSU Extension services, and 5 area hospitals. This grant is a community wide campaign that goes beyond health education. The campaign is based on the Center for Disease Control recommended programs and state models. Project activities include a social marketing campaign, community presentations, community activity programs, promoting local and state recognition programs for "Promoting Activity Communities" and "Healthy Eating" and providing technical assistance to grocers, restaurants, human service providers, governmental bodies, schools, and worksites.

In June 2006, the Health Department participated in a full scale drill to test our ability to operate a dispensing site in Tuscola County should the need arise. Based on the results of this drill and the input of the many partners involved, changes were made to our dispensing site plan. Drills provide us a mechanism to test our plans and fine tune them before we have to actually implement them.

The core public health programs continued service to Tuscola residents throughout FY05-06. It is these programs that allow our residents to have such things as safe drinking water and relative freedom from once common communicable diseases such as measles, polio, diphtheria. When successful, the outcomes of the local health department are relatively invisible.

These accomplishments of the health department were possible due to the hard work and dedication of the Health Department staff and the involvement of the Board of Health and Board of Commissioners. The Health Department will continue to protect and promote the health of the residents of Tuscola County through surveillance, assessment, planning and collaboration. I hope you find this report interesting and informative. We thank you for your support of this organization and the services provided.

**Dennis A. Smallwood, D.O.
Medical Director**



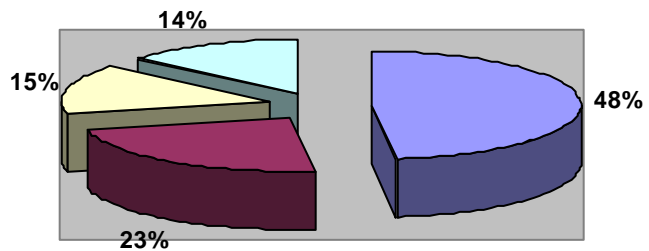
The Health Department here in Tuscola County is and has been especially fortunate to have a dedicated, professional staff who have continued to work diligently and with a belief in the mission of their programs in the face of constantly shrinking funding. Having now ridden the crest of funding and emotional politics pre-occupied with disaster training subsequent to 911, we have now returned to some balance and focus on traditional preventative and screening programs, as well as, being a strong voice in our Community for healthy behavior, preventative Medical Practice and safe sources for food and water. Everyone here at the Health Department shares that common goal which will allow us to efficiently use ever shrinking dollars to our public's maximum health benefit. We appreciate the full and enthusiastic support of our Health Board and the Board of Commissioners in our mission.

FISCAL DIVISION
Bonnie Sammons, Fiscal Manager

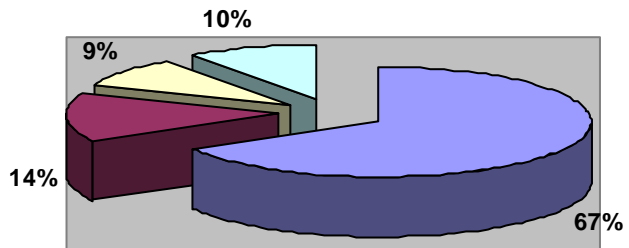
Tuscola County Health Department's Fiscal Division performs all general accounting functions, including accounts receivable, accounts payable, budgeting, payroll, financial reporting and internal control. The accounting policies of the Tuscola County Health Department conform to generally accepted accounting principles as applicable to government units.

2005—2006
BUDGET
\$2,721,720

Revenues	
State/Federal Grants	48%
Fees	23%
County Appropriations	15%
Other Resources	14%



Expenses	
Personal Health	67%
Environmental Health	14%
Administration	9%
Other	10%



Management Information Systems Division

Carol Stephens, MIS Manager

The mission of the MIS Division is to make available comprehensive and high quality services to meet the information technology needs of the health department.

The agency website (www.tchd.us) is continuously maintained and updated, in an attempt to provide Tuscola County citizens the most up-to-date information possible.

The MIS Division has the continuous job of keeping all agency programs up to date with the most current software applications, backing up the system, monitoring for viruses and helping staff to create and run reports as needed.

Currently we maintain 2 file servers, 42 workstations, 7 laptop computers, and 10 shared printer stations. A variety of software programs used within the agency are continuously monitored and upgraded as needed.

Office of Veteran Affairs

Lawrence Spiekerman, Director

The County Office of Veteran Affairs is the first point of contact by veterans and their families who seek assistance with Federal, State and County benefits. Monetary benefits payable to veterans and their dependents may be classified into four general categories: Compensation, Dependence and Indemnity Compensation, Pension and Retirement Pay. Other major benefit programs include: Education Assistance to Children, Wives and Widows, and Veterans, Vocational Rehabilitation, Hospitalization, Home Loans, Insurance Burial Benefits, Tuscola County Soldiers & Sailors Relief Fund, and Michigan Veteran's Trust Fund. Tuscola County provides a full time Veteran's Affairs Director to help coordinate benefits and services for the Veterans of Tuscola County.

TUSCOLA COUNTY VA STATISTICS 2006	
Office Visits	525
Transport of Veteran's to Appointments	147
Claims Filed	450
House Calls	6
Trust Fund Applications	30
Amount Granted	\$18,924
Soldiers/Sailors Relief Applications	124
Amount Granted	\$15,203

PUBLIC HEALTH EMERGENCY PREPAREDNESS

Sharon Mika, Department Coordinator

The Tuscola County Health Department is responsible to track and investigate health problems and hazards in the community and prepare to respond to public health emergencies. Tracking of communicable diseases requires the assistance of our local partners such as hospitals, laboratories, and health care providers. The health department has provided Michigan Disease Surveillance system (MDSS) training to our local health care providers to increase response to reportable diseases.

This year's exercises focused on pandemic flu, with a tabletop exercise on April 11, 2006 with fifty of our local partners in attendance. The purpose of this exercise was to test communications between the Emergency Operation Center and the dispensing site. It also tested the process of requesting the Strategic National Stockpile (SNS), and how the media would be contacted to get information to the public. Accomplishments from the exercise include: opening the lines of communication among agencies, the importance of sharing information and providing a timely press release to the public. This exercise led to the full scale exercise "Operation Big Bird" on June 13, 2006 (pictured below).

The health department set up and operated a mass dispensing site at the Vassar High School. The goal of the exercise was to set up and dispense mock Tamiflu to 200 people per hour. The exercise took the cooperation and coordination of over 20 agencies and 200 participants. The site was secured by the City of Vassar, City of Vassar police, County Sheriff, Sheriff's Posse, and State Police. Roadblocks were provided by the City of Vassar DPW, county law enforcement and Tuscola County Road Commission. Vassar Schools and staff helped set up the dispensing site. The American Red Cross provided lunch and refreshments for over 200 people. The volunteers were recruited and organized by the Human Development Commission RSVP Program. Many other agencies fulfilled a role at the dispensing site. Accomplishment of the full scale exercise was the processing of 200 people per hour. The use of redundant communication, 800 MHz radio and 2-way radios were tested, and indicated more 2-way radios were needed to communicate among local public health staff in the dispensing site. The health department has purchased 12 additional 2-way radios.

The health department continues to work with the county agencies and regional partners on a monthly basis in preparing for public health emergencies. These exercises allow all agencies to train together to be able to respond to a health emergency.



ENVIRONMENTAL HEALTH DIVISION
TIP MACGURIRE, R.S., Director

Adverse environmental factors have a direct influence on humans. Impacts can be disease transmission through exposure to pathogenic organisms, or by exposure to toxins having a physiological effect on humans. Lesser environmental factors such as living conditions in a home can effect the overall well-being of the persons subjected to the given environment. As a member of the public health team, environmental health advocates and promotes disease prevention. Goals are met through enforcement of regulations and programs developed to not only protect public health, but to also control adverse environmental factors. Programs and regulations are grouped into categories of: Water, Shelter, Food, Waste and Community Health. The following statistics falling under these categories reflect the services provided in fiscal year 2004-05.

FOOD SERVICE PROGRAM

Regular inspections are conducted in all food service establishments in Tuscola County. Efforts in this program are key elements in assuring that meals consumed outside of the home are safe.

Fixed Food Service Establishments	190	Transitory Food Inspections	2
Fixed Food Service Inspections	433	Vending Location Inspections	21
Temporary Food Inspections	112	Foodborne Illness Investigations	1

WASTEWATER MANAGEMENT

Contact with raw or improperly treated sewage is the major method by which diseases are spread. Proper disposal and treatment of sewage is a critical aspect of protecting public health. Under State and Local Code Enforcement, this division evaluates and issues permits for the installation of all on-site sewage systems in Tuscola County.

On-site Sewage Disposal Permits Issued	208	On-site Sewage Disposal Inspections	613
On-site Sewage Permits (Commercial)	3	On-site Sewage Inspections (Commercial)	4

SURFACE AND GROUNDWATER CONTROL

Basics to human life and public health philosophy is the provision that a safe and adequate water supply is available to the individual and public. To this end, all wells in Tuscola County are installed under permit with well locations being reviewed, proper isolations required, final inspections conducted and water sampling performed to determine water quality.

Well Permits Issued	267	Well Permit Final Inspections	233
Complaints Investigated	2	Operation/Maintenance Evaluations	55

ENVIRONMENTAL QUALITY

Additional activities important to health protection cover a range of programs such as: Shelter, Public Swimming Pools, Mobile Home Parks, Hazardous Waste, Solid Waste, Indoor and Outdoor Air, and Campgrounds.

Campground Inspection	16	Adult/Child Care Facility Inspection	58
Public Swimming Pool Inspection	66	Hazardous Waste	36
Solid Waste	126	Animal Control	4
Indoor/Outdoor Air	35	Subdivision Inspections	9
Ground Water Quality	23	Residential Dwellings	2
Mosquito/Insect Control	11		

TOBACCO REDUCTION

The Tuscola Partnership for Tobacco Reduction is a community-based coalition comprised of members of human service agencies, schools and the general public. This coalition meets on a quarterly basis and welcomes new members and provides a tobacco resource distribution and referral service to the community. The objectives are as outlined:

- 1) Develop and maintain community mobilization and awareness around tobacco-related issues.
- 2) Develop and maintain multi-cultural input into coalition efforts.
- 3) Promote and increase the availability of clean indoor air in the community.
- 4) Promotion of tobacco use cessation targeting health care providers in Tuscola County.
- 5) Encourage all area schools to be 24/7 Smoke Free.

The Tuscola County Health Department with the support of Senior Millage funding, provides services to the senior

GERIATRIC SERVICES

citizen of this county. Staff participates in community coalitions directed toward the needs of senior citizens. Services provided include the provision of flu clinics, education to seniors on relevant health topics, participation in an annual Senior Fair, referrals and information resources for geriatric services, hypertension clinics and Tetanus-Diphtheria (Td) booster vaccination clinics.

ADULT HEALTH SERVICES	
Geriatric Enrollments	18
Dementia Community Presentations	18
Geriatric Home Visits	36

HEALTH SERVICES DIVISION
ANN HEPFER, R.N., Nursing Administrator

MATERNAL/CHILD HEALTH PROGRAMS

Early Periodic Screening and Diagnostic Testing (EPSDT)/Well Child Clinic: Provides health and developmental screening and referrals for children ages birth to 21 on Medicaid. For a small fee the Well Child Clinic provides for the same medical services for children who do not have Medicaid. Services include Hearing and Vision Screening, comprehensive head to toe physical, Denver Developmental Screening and lead testing.

Women, Infant and Children (WIC): Serves children from birth to age 5 and pregnant and breastfeeding women who meet the income guidelines. WIC is not only a supplemental food program, it also provides for nutritional information and breastfeeding promotion.

Maternal/Infant Support Services: Provides home visits and/or office visits to pregnant women and their infants. This program is aimed at healthier outcomes for both the pregnant woman and the infant. A team made up of a Registered Nurse, Dietician and Social Worker take a multidisciplinary approach in working with the family.

Touching Lives of Children Program (TLC): Focuses on pregnant women and children from birth to three years of age. A multidisciplinary approach is taken in working with the families. The team is made up of a Family Mentor, Social Worker, Registered Nurse and Dietician. Center Based Services are offered through Highland Pines so that children and parents can learn and have fun together.

Children Special Health Care Services (CSHCS): Provides financial support and case management services for children ages birth to 21 with chronic health problems or handicapped disabilities.

Prenatal Services: Health Delivery Incorporated provides prenatal care and educational services on site. Clients are seen by midwives and deliver at Bay Regional Medical Center in Bay City.

Hearing and Vision Program: Provides Hearing and Vision screenings in the schools throughout the year and in the summer at the health department by trained technicians.

MATERNAL/CHILD HEALTH PROGRAMS—2006	
Hearing Services Preschool/School Age	2234
Vision Services Preschool/School Age	2923
Touching Lives of Children Services Unduplicated Services	84
Women, Infant and Children Program—Monthly average	1561
EPSDT/Well Child Services	531
Maternal Infant Support Services Unduplicated Services	272
Pregnant Women Enrolled in Prenatal Services	82
Children Special Health Care Services—Unduplicated Enrollees	29

HIV/AIDS COUNSELING

Tuscola County Health Department was identified as a low incidence area in December 2004; as a result we only offer court ordered testing. All requests for HIV testing are referred to higher incident counties for testing such as Saginaw County Health Department, Basis in Bay City and Hearst Home in Saginaw.

FAMILY PLANNING PROGRAM

The Tuscola County Health Department's Family Planning Program philosophy is consistent with Michigan Department of Community Health and Title X. Family planning is a preventive health measure which positively impacts on the health and well-being of women, children and family. Effective family planning programs are essential health care delivery interventions that correlate with decreased high risk pregnancy and maternal and infant mortality and morbidity. Services provided through family planning clinics allow women to make well informed reproductive health choices. The family planning clinic addresses the unmet family planning needs of women at or below and those slightly above poverty, but still considered low income, and provides access to those with special needs (such as teens and high risk women). No one is denied services because of inability to pay.

REPRODUCTIVE HEALTH SERVICES—2005

Family Planning Unduplicated Clients	1288
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SEXUALLY TRANSMITTED DISEASE SERVICES

The mission of the Sexually Transmitted Infection (STI) Program is to reduce the number of STI's through diagnosis, treatment and education. The program operates on an "as needed" basis. Authority is given to the Public Health Department according to Public Health Act 368 of 1978 (revised, October 1993). Due to a reduction in State funding over the course of the past two years, we have curtailed our screening exams. Screening guidelines are in place that serve as a guide as to who gets tested. Tuscola County is deemed a "low incidence" area and is allotted only a certain number of test kits for free. Once the free kits are depleted we then charge for the additional tests. Our rate of STI's has remained relatively consistent over the past 5 years; the majority of our infections are either Chlamydia or Gonorrhea related.

SEXUALLY TRANSMITTED DISEASE—3 YEAR COMPARISON

	2004	2005	2006
Chlamydia	52	60	76
Gonorrhea	7	10	8
Syphilis Primary	0	0	1

IMMUNIZATION PROGRAM

Immunizations are a very important component of Public Health. The current immunization schedule for both adults and children protects against sixteen diseases. New vaccines offered in the past year included Menactra, Hepatitis A, TdAPP, and Rotavirus. Special priority projects included outreach clinics to the Amish community and an outreach clinic in Vassar once a month. The 2006 flu season proved to be challenging due to delay in shipment of vaccine, causing the agency to have a surplus of vaccine at the end of the season.

IMMUNIZATIONS	2004/2005	2005/2006
Clients Immunized	2752	2308
Vaccines Administered	2892	5664
Doses Distributed	2687	2246
School Immunization Records Reviewed	10,561	2513
Percent of 19-35 month old children fully immunized in the county	71.5%	78%
Adult Influenza Vaccine Administered	1471	1806
Pneumococcal Vaccinations Administered	41	118

COMMUNICABLE DISEASE

The Michigan Disease Surveillance System (MDSS) just became operational in June of 2004. MDSS is a Web based communicable disease reporting and tracking system covering the State of Michigan. Over the course of 2005 we began training other health care facilities and laboratory entities on the importance of this system. The purpose is facilitating coordination among local, State and Federal Public Health Agencies to provide for secure transfer, and analysis of communicable diseases. This system is very important to address emerging infectious diseases, traditional disease surveillance, including biological diseases at the time that they are occurring. In January, 2005 the system was updated to allow us to enter Sexually Transmitted Infections with the exclusion of HIV/AIDS. All area laboratories and hospitals now report all allowable reportable infections to the health department via the MDSS. Tuscola County had no major outbreaks of disease in fiscal year 2006.

COMMUNICABLE DISEASE REPORTS—3 YEAR COMPARISON

	2004	2005	2006
AIDS	0	0	0
Food Borne Illness	7	16	16
Meningitis-Aseptic	11	4	9
Meningitis-Bacteria	1	3	3
Pneumoniae Invasive	2	1	2
Cyptococcosis	1	1	0
Flu Like Illness	299	999	513
Guillain-Barre	0	1	1
Kawasaki	1	1	2
Legionellosis	1	0	2
Rabies-Bat	1	0	0
Chickenpox	15	10	39
Tuberculosis	1	1	1
Hepatitis B Acute	1	1	0
Hepatitis B Chronic	1	0	1
Hepatitis B Perinatal	0	0	0
Hepatitis C Acute	0	0	4
Hepatitis C Chronic	2	9	15
Coccidioidomycosis	0	0	1
Encephalitis	0	0	1
Hemolytic Uremic Syndrome	0	0	1
Staphylococcus Aureus Infections	0	0	7
Mumps	0	0	1
Pertussis	0	0	2