

HEALTH DEPARTMENT ANNUAL REPORT
Allegan County Board of Commissioners

HEALTH DEPARTMENT ADMINISTRATION

2008 brought unique challenges and innovative approaches to service enhancement in public health. The realm of public health has expanded to include several health issues from a global perspective, such as avian influenza, to traditional public health functions, such as childhood immunizations. The information provided in the forthcoming pages present an overview of the services, accomplishments, and challenges the Health Department faced in 2008. These challenges encouraged staff to creatively approach solutions to problems and meet the changing demands of the public.

Engaging key partners, such as providers, schools, and support from other health and human service agencies has become even more crucial in times of scarce resources. Health Department staff embraced challenges and adapted to the changing environment.

With the increase of vaccines to childhood immunization schedules and increase in surveillance of a variety of emerging communicable diseases, and new threats to animal and human and health, public awareness and education has been very crucial.

On an on-going basis, the Health Department strives to:

- Improve quality of programs, systems, and processes
- Enhance service quality to clients
- Promote community awareness regarding the benefits of prevention
- Maintain a trained and skilled staff, specializing in various health professions and environmental health skills
- Exercise fiscal responsibility in our operations and programming

In 2007/2008, we celebrate accomplishments in the following areas:

- Continuing to build emergency preparedness response capacity
- Continuing to evaluate client satisfaction through communication and client satisfaction surveys
- Completing the process of accreditation to apply quality programmatic standards
- Completed Health Department Accreditation and improved over 90% in several program areas.
- Completed MIHP program review successfully.

The following pages provide a snapshot of services and activities performed by the dedicated staff of the Health Department. We continue to strengthen our efforts to enhance the health and well-being of Allegan County residents.

2009 ADMINISTRATION GOALS
<i>-Continue to implement enhanced quality assurance measures to assess quality and performance of various public health programs</i>

provided by the department.

-Encourage staff to participate and provide input and assistance in achieving full accreditation status.

-Continue to encourage collaboration among staff within department to link both environmental health and personal health services as necessary.

-Provide recommendations to maintain sound fiscal practices throughout the department.

Staffing Analysis 2008

Staffing	2008 Total FTE's	2008 Vacant Position's	2008 Staffed Position's	2009 Vacant Position's	2009 Staffed Position's
Health Officer	1		1		1
EH Director/Deputy H.O.	1		1		1
Director of Agency Sup.	1		1		1
Nursing Director	1	1	1		1
Sanitarian	6		6		6
Public Health Nurse	5.2	2.2	4.6	1.08	4.6
Dietician	.60	.60	.60		.60
Social Worker	.48	.48	.48		.48
V & H Technician	1	1	1		1
Health Educator	1		1		1
Recycling Coordinator	1	1	1		1
EH Program Coordinator	1	1	1		1
Bio-Preparedness Coord.	1		1		1
Secretary	6.6	2	6.6		6.6
Agency Support Asst.	1		1		1
Eligibility Examiner	1		1		1
Total	29.88	9.28	29.28	1.08	29.28

EMPLOYEE YEARS OF SERVICE

ADMINISTRATION

MARY ELLIS – 29 yrs.
DR. RICHARD TOOKER – 9 yrs.
VONNIE HILDEBRAND – 16 yrs.
JUDY VANDAM-GAVAN – 7 yrs.
JANE WAANDERS – 37 yrs.

ENVIRONMENTAL HEALTH

JAMIE DENTLER – 9 yrs.
PEGGY FRENCH – 7 months
BILL HINZ – 35 yrs.
JOHN JOHNSON – 27 yrs.
SHARON JOHNSON – 1 year
GARY LAPORTE – 8 yrs.
PETE LUMBERT – 26 yrs.
DEE PARSHALL – 7 months
RAY VISSCHER – 13 yrs.
BEN WILLIAMS – 8 yrs.
BRENDA ZEINSTRA – 12 yrs.

HEALTH EDUCATION

KATHY YONKERS-WRIGHT – 4 yrs.

PUBLIC HEALTH EMERGENCY AND BIO-TERRORISM PREPAREDNESS

DON HANECKOW – 5 yrs.

PERSONAL HEALTH

RASHMI TRAVIS – 8 yrs.
ANGELA CAMERUCI – 1 year
AMY DAVID – 10 months
TERI DEVORE – 9 yrs.
SAMANTHA ELLIS – 5 months
ANGELIQUE JOYNES – 1 month
JACKIE SKELTON – 10 months
SOPHIE RADLINSKI – 9 yrs.
CINDY STILES – 6 yrs.
VICKI WEAVER – 20 yrs.
LAURIE WOODS – 14 yrs.
MARILYN WEBER – 33 yrs.
ANGELA WINFREY – 8 yrs.

2-25-09

2009 PERSONAL HEALTH GOALS
<i>-Monitor and maintain the daily activity (MIS) system to support budgetary and program management.</i>
<i>-Assess training needs for Personal Health staff and develop training programs.</i>
<i>-Explore and develop appropriate programs and contracts to respond to the changes due to the needs of the community and managed care environment.</i>
<i>-Maintain and expand collaborations with agencies throughout the community to address public health issues.</i>
<i>-Meet and integrate all "Accreditation" requirements.</i>
<i>-Ensure continuous quality improvement (CQI) in all programs.</i>
<i>-Increase knowledge of computer capabilities.</i>
<i>-Continue Emergency Preparedness training and planning to insure public safety.</i>
<i>- Maintain full accreditation status.</i>

IMMUNIZATIONS:

The Immunization Program at the Allegan County Health Department provides vaccines for both adults and children. 2,818 doses of vaccine were administered in 2008. 1,920 doses of vaccine were administered to children 0 through 18 years of age. 898 doses of vaccine were administered to individuals 19 years of age and older.

Adults who need influenza vaccine are referred to scheduled walk-in clinics offered by Borgess VNA Home Care (with some exceptions).

Adults and children who need vaccines for international travel are referred to the Health Departments in Kent, Ottawa, and Kalamazoo counties (with some exceptions).

Immunizations are one of our most cost-effective measures to protect adults and children from harmful diseases.

A high proportion of children must be immunized to prevent outbreaks of disease in school settings and other places where children work and play closely together.

For children, there are 16 potentially serious diseases that vaccines protect against.

- Diphtheria
- *Haemophilus influenzae* type b
- Hepatitis A
- Hepatitis B
- Human Papillomavirus
- Influenza
- Measles
- Meningococcal
- Mumps
- Pertussis
- Pneumococcal
- Polio
- Rotavirus
- Rubella
- Tetanus
- Varicella

Parents are encouraged to take responsibility for ensuring that their children receive vaccines at the recommended ages.

For adults living in the United States, there are 14 potentially serious diseases that vaccines protect against

- Diphtheria
- *Haemophilus influenzae* type b
- Hepatitis A
- Hepatitis B
- Human papillomavirus
- Influenza
- Measles
- Meningococcal
- Mumps
- Pertussis
- Pneumococcal
- Rubella
- Tetanus
- Varicella / Zoster

Immunization needs for adults are not always as clear as with children. For adults, immunization needs vary and are guided by these factors: Health, Age, Lifestyle, and Occupation.

The Allegan County Health Department offers immunization services by appointment 2 days a week, including morning hours, afternoon hours, and one lunch-hour. Additional clinics are scheduled when needed. An appointment is always available within 2 weeks. Immunization services are available to clients of the Allegan County WIC Program when WIC services are offered at the Allegan County Health Department on Wednesdays.

The Allegan County Health Department participates in the following vaccine distribution programs through the Michigan Department of Community Health:

- ✓ Vaccines for Children (VFC)
- ✓ High Risk Hepatitis B Program
- ✓ Michigan Adult Vaccine Replacement Program (MI-VRP)
- ✓ 317 Special Funds (started in March 2007)
- ✓ Special 317 Adult Hepatitis A & B Initiative (started in March 2008)

The Allegan County Health Department serves children (birth through 18 years of age) who

- ✓ Are Medicaid eligible
- ✓ Have no health insurance
- ✓ Are American Indian or Alaska Native
- ✓ Are underinsured (the child's health insurance does not include any reimbursement for the cost of the vaccine)

All of the vaccines available for VFC-eligible children can be administered by any VFC Provider (i.e. doctor's offices, clinics, etc.)

All of the vaccines available for adults who are eligible for the MI-VRP program can be administered only through the Allegan County Health Department or InterCare Community Health Network's Pullman Health Center.

The Allegan County Health Department uses privately purchased vaccine for qualified adult Medicaid-enrolled clients and bills Medicaid for the vaccine and administration costs. The Allegan County Health Department reserves MI-VRP vaccines for uninsured and underinsured clients.

The Allegan County Health Department also purchases vaccine to be able to provide immunization services to adults and children who are not eligible for the federal and state vaccine programs.

Immunization Program staff use the MCIR/SIRS web-based reporting program to assure

- ✓ complete and accurate school immunization data have been reported (for new entrants and for sixth grade children) for all schools in Allegan County
- ✓ complete and accurate child care immunization data have been reported for all child care centers in Allegan County

In August 2008, 44 individuals from schools and child care programs participated in the 10th Annual Immunization and Communicable Disease Update held at the Allegan County Health Department.

Immunization coverage levels in the Michigan Care Improvement Registry (MCIR) for children 19 through 35 months of age who live in Allegan County have declined from 80% in January 2008 to 74% in December 2008. Allegan County's immunization coverage level is above the level for the fifteen counties in MCIR Region 2 (68%) and is above the level for the state of Michigan (64%). To be up-to-date, children in this age group must receive 4 doses of DTaP, 3 doses of IPV, 3 doses of Hib, 1 dose of MMR, 3 doses of HepB, 1 dose of varicella, and 4 doses of PCV7. The immunization coverage levels have declined due to a nationwide shortage of *Haemophilus influenzae* type b vaccine, which began in December 2007 and is expected to continue into mid-2009.

One of the Healthy People 2010 Goals (from the U.S. Department of Health and Human Services) is to achieve and maintain effective vaccination coverage levels (90% or higher) for universally recommended vaccines among young children (19 – 35 months). Immunization is one of ten Leading Health Indicators, a set of high-priority public health issues in the United States. The leading health indicators are intended to help everyone more easily understand how healthy we are as a nation and which are the most important changes we can make to improve our own health as well as the health of our families and communities.

The Health Department's Immunization Nurse Educator (INE) presented five (5) modules to health care provider offices in Allegan County. The modules include information on newly licensed vaccines and schedule recommendations, minimum intervals between immunizations, contraindications for immunization, vaccine administration, required documentation, vaccine storage and handling, and use of MCIR. Free CNE credit (for nurses and nurse practitioners) was provided in 2008 through collaboration with the Michigan Nurses Association. Free CME credit (for physicians and physician's assistants) was provided in 2008 through collaboration with the Michigan State Medical Society.

Vaccines for Children (VFC) providers in Michigan began the transition to Centralized Ordering and Distribution this year. VFC providers place orders for VFC vaccine through their local health department (LHD). The LHD reviews the orders and supporting documentation received from the VFC provider. The orders are processed by MDCH, and VFC vaccine is shipped directly to the VFC provider's office from McKesson Specialty. This is a completely new process. MCIR has a key role in this new process. All VFC providers are now required to enter vaccine lot and manufacturer information for shots given, as well as vaccine eligibility. This information will be used to automatically deduct doses from the new MCIR Vaccine Inventory Module (VIM). Providers will use the MCIR VIM to regularly inventory, report on, and order new VFC inventory. Throughout

2008, the Allegan County Health Department’s Immunization Program staff assisted Allegan County VFC providers with training and technical assistance for VFC provider office staff.

The Health Department’s Immunization Coordinator conducts annual site visits with VFC Providers in Allegan County to assure that appropriate standards for immunization practices and standards for vaccine storage and handling are followed. The Immunization Coordinator also uses the site visits to assist Allegan County VFC Providers in improving immunization coverage levels.

Immunization program staff sponsored four (4) Allegan County Immunization Coalition Meetings in 2008. On average, there were 21 participants at each meeting. The Allegan County Immunization Coalition strives to promote the development of private and public partnerships to improve Allegan County immunization levels (for children, adolescents, and adults).

The Immunization Program staff provides vaccine information for the public. The Immunization Program staff promotes community awareness of immunization issues.

Year	Total Vaccines Administered*
2004	5577
2005	4190
2006	2478
2007	3090
2008	2818

*The vaccines indicated in these 4 years, include influenza vaccines that were administered. Due to supply limitations, usually controlled by the manufacturers, fluctuations exist.

One additional requirement, implemented October 2007, was that preschools, Headstart, and childcare programs included the new pneumococcal conjugate vaccine in the immunization schedule. This poses a challenge for staff to provide the vaccine and/or check records for completed vaccination schedules.

2009 IMMUNIZATIONS GOALS
<i>-To assure community immunization coverage levels at or above level (75%) for all Allegan County children 19 through 35 months of age.</i>
<i>-Encourage all Allegan County health care providers to fully utilize the MCIR.</i>
<i>-Continue to build and sustain the Allegan County Immunization Coalition.</i>
<i>-Notify Allegan County residents that the Allegan County Health Department offers immunization services.</i>
<i>-Develop and implement a plan to assure full immunization of adolescents (11 through 18 years of age).</i>

COMMUNICABLE DISEASE (CD):

2009 CD GOALS

<i>The Health Department will be recognized as an authority and resource on communicable diseases, HIV/AIDS, and STD issues and information in Allegan County.</i>
<i>-To establish and promote healthy outcomes for Allegan County through disease identification, surveillance, intervention and prevention activities.</i>
<i>-To diagnose and treat communicable disease in clients who are the medically underserved population of Allegan County.</i>
<i>-Continue providing Communicable Disease education, Tuberculosis (TB) testing and Hepatitis B vaccination to health care workers, educators, adolescents, infants and all other at risk.</i>
<i>-Provide outreach and in service to doctors, hospitals, nursing home staff, and other agencies with at risk populations.</i>
<i>-Quarterly CD reports and articles are published in the ACHD Newsletter.</i>
<i>-Maintain a leadership role in the collaboration within and between agencies involved in any communicable disease outbreak.</i>
<i>-Educate, promote, and monitor reporting of CD by all providers and schools in Allegan County.</i>
<i>-Maintain use of Epi Info software program and Quick and Dirty program for tracking outbreak investigations, and analyzing data, community plan development, and reporting to MDCH.</i>
<i>-Participate in Emergency planning exercises.</i>
<i>-Educate providers on Michigan Disease Surveillance System (MDSS).</i>
<i>-Continue CQI to evaluate/improve program.</i>
<i>-Continue training for CD Staff.</i>

The Allegan County Health Department promotes healthy outcomes for the community through disease surveillance, intervention and prevention activities. Personal Health Nurses follow up on reportable diseases and appropriate treatment and education, bites from animals that are potentially rabid. Staff offers community education, blood borne pathogen in-services, and acts as a resource for information and guidance to providers and the community.

Allegan County Health Department Communicable Disease program continues to be a resource for county medical facilities, physicians, schools and the general public. In 2007, the Communicable Disease program which includes STD and HIV programs successfully passed accreditation by the state of Michigan, in some areas receiving special recognition for innovative practices including outreach to the community.

The Communicable Disease Team continues to disseminate pertinent and timely health related communications to providers to area providers via blast fax, telephone and e-mail.

To better meet the needs of the community an evening clinic has been established that offers STD and HIV testing, treatment and education. This is in addition to the weekly clinic offered during business hours. The Health Department participated in National HIV testing day in June by hosting outreach clinics in Douglas and Fennville (migrant camp). HIV testing was also offered at the jail.

The CD team is still adjusting to the full time nursing position lost in 2005. Community outreach, education and disease follow-up of potential foodborne outbreaks and other communicable diseases continue to stretch our staffing resources very thin. While we strive to do the most efficient job of protecting the health of the community, the reduction in staff continues to be a challenge to meet the needs of the clients that we serve.

- Total of Communicable Diseases reported and investigated in 2008 – (excluding STD's) – 200
- Total STD's reported and investigated in 2007 – 258
- Animal bites/exposures investigated – 46

- Clients tested for HIV/STD's in clinics or community outreach – 184

The following list contains the diseases reported to the Health Department in 2008:

Animal bites...41
Campylobacter...14
Cryptosporidiosis...3
E-coli...1
Giardiasis...8
Hepatitis A...4
Hepatitis B acute...3
Hepatitis B chronic...9
Hepatitis C chronic...42
Histoplasmosis...8
Listeriosis...1
Lyme Disease...2
Viral Meningitis...13
Pertussis...4
Salmonellosis...14
Brucellosis...1
Leptospirosis...1
Shigellosis...2
Creutzfeldt - Jakob disease...1
Cryptococcus...2
Legionellosis...2
Chickenpox...25
Strep Pneumoniae...2

In an effort to stay informed on newly emerging diseases, the following diseases have been added to the list that is required to be reportable to the Health Department:

- Arboviral disease (i.e. West Nile Virus, St. Louis Encephalitis, etc.)
- Avian Influenza
- Creutzfeld-Jakob Disease (CJD)
- Monkeypox
- Smallpox
- SARS

- *Staphylococcus aureus* (vancomycin-intermediate or resistant)
- *Streptococcus pneumoniae* (invasive or resistant)

Rabies vaccine shortage in 2008 required close scrutiny and prioritization of possible exposures as every recommendation had to be cleared with Lansing before vaccine was released for administration.

CD Communicable Disease Coordinator and BT Coordinator attended a federally funded FEMA Training in Anniston, Alabama (Pandemic Influenza)

CD, EH, BT staff participates regularly in the Outbreak Committee/Workgroup for continuing education, technology updates, collaboration, training, and program refinement to facilitate a rapid response to any disease outbreak in the community occurring naturally or otherwise.

CD staff regularly attends Allegan County Immunization Coalition quarterly meetings to inform and update medical offices on the control of vaccine preventable diseases currently circulating at the local, state and national levels.

FAMILY PLANNING OF ALLEGAN COUNTY

3255 122nd Ave., Allegan, MI 49010

Phone: (269) 686-4560 - Fax: (269) 673-1937

Family Planning of Allegan County is a Title X, non profit corporation providing low income area residents with educational and clinical services leading to healthier individuals and families. Clinical services include breast and cervical cancer screening, a broad range of safe and effective contraceptive methods, screening and treatment for sexually transmitted and other selected infections, as well as risk reduction counseling and testing for HIV/AIDS. A sliding fee scale is used; however no one is denied services for inability to pay (a Title X mandate).

Non clinical services include a ‘Teen Pregnancy Prevention Program’, a prevention message throughout Allegan County schools, and a ‘Healthy Pregnancy Outreach Program’ for pregnant women, providing education, information, and referrals for healthier pregnancies and babies.

In addition, this agency is the largest enrollment site in Allegan County for the Breast and Cervical Cancer Control Program (BCCCP), and is the fiduciary for ‘Mary’s Gift’ providing funding and arrangements for mammograms for Allegan County low income residents.

Accomplishments for calendar year 2008:

- 1700 clients made 3976 visits for clinical services for reproductive health care and other available services. 93% of those clients served were at or below 150% of the federal poverty level.

- Screening, referrals, and case management were provided for 57 women with abnormal pap tests that included cancerous and precancerous cervical cells.
- Based on clinical breast exams of 741 women, 27 were referred for further evaluation, including mammograms. Case management continues for those women, until problem is resolved.
- 385 clients received voluntary, confidential HIV/AIDS testing and risk reduction counseling.
-
- 1226 area residents received sexually transmitted infection testing (and treatment when positive).
- 633 pregnancy tests were provided with enrollment into Family Planning's 'Healthy Pregnancy Outreach Program' when positive. Pregnant women are provided prenatal vitamins and referred to ACHD for enrollment into MIHP when appropriate. Pregnant women are also provided 'one on one' attention throughout their pregnancy for an understanding of behaviors that help reduce the number of low birth weight babies in Allegan County.
- Spanish speaking staff members served 105 limited English proficiency residents with family planning services.
- Family Planning staff includes a Medical Director and 4 Nurse Practitioners, available based on need, for exams and reproductive health care at various morning, afternoon, and evening clinics throughout each month.

In 2008, \$361,307 of services relevant to the needs of family planning clients were provided as a result of funding received from State & Federal grants, public and private insurance reimbursements, client fees and donations, local government funding, United Way, and private grant awards.

STI/HIV/TB Program

2009 STI/HIV GOALS
<i>-The Health Department will be recognized as an authority and resource on STI issues and information in Allegan County.</i>
<i>-Continue screening of high-risk populations.</i>
<i>-Provide STI exams and testing for at risk individuals.</i>
<i>-Provide HIV testing for at risk individuals for HIV infection,</i>
<i>-Contribute to Health Department quarterly newsletter.</i>
<i>-All CD team members will be updated, at least annually, through conferences, or satellite conferences on issues related to sexually transmitted infections (i.e., trends and treatment modalities)</i>
<i>-Assure CQI program throughout the year.</i>
<i>-Enter HIV test results into the Web-based reporting program.</i>
<i>-Positive clients will receive appropriate referrals.</i>

Public Health staff provide valuable information and testing services for sexually-transmitted infections (STI), including but not limited to, HIV/AIDS and tuberculosis (TB). Due to staffing reductions, the department has limited testing opportunities to one day a week by appointment only. This has also forced staff to prioritize follow-up and treatment activities for those who are positive and contacts of positive clients.

To better meet the needs of the community an evening clinic has been established that offers STD and HIV testing, treatment and education. This is in addition to the weekly clinic offered during business hours. The Health Department participated in National HIV testing day in June by hosting outreach clinics in Douglas and Fennville (migrant camp). HIV testing was also offered at the jail and county youth home. A total of 170 HIV tests were provided through health department clinics and community outreach events. A total of 316 STDs were reported and investigated in 2008.

Allegan County Health Department has the responsibility for preventing, controlling and managing Tuberculosis (TB) in Allegan County. This is accomplished through TB surveillance, containment and prevention services.

Services Provided in 2008

- TB Skin Tests: 279 (8 positive for Latent TB)
- Clients on LTBI Preventative Medication: 20
- Clients with active TB Disease: 2
- Client follow-up on suspected active TB disease: 1
- Community education outreach: 1

Clients continue to participate in a mail order drug program. Clients have the opportunity to have medications mailed to them monthly in lieu of coming into the Health Department. Clients enrolled in

this program are required to phone in monthly and speak with the TB nurse to discuss their treatment plan. There is continued success of Mail Med program.

In 2008 the TB program was given a \$250 grant by the American Lung Association. This money is being used to pay for the postage cost for mailing medications to clients. We are also using these funds to buy gas cards to help with the cost of fuel to come to the Health Department (when necessary). This is a renewable grant that will be renewed when remaining funds get low.

One potential challenge is our ability to adhere to the MI-ACET standard of Direct Observed Therapy (DOT) of all active TB cases and high -risk individuals with LTBI (latent TB infection). Clients with active TB disease who are resistant to certain medications require active intervention; staff make weekly home visits to these homes to ensure medications are being taken properly.

Another challenge lies in our ability to provide outreach and services with minimal staff. This poses a challenge to attend community meetings, conferences, and educational opportunities, when the demand for services increases.

70% increase in Gonorrhea in 2008 in Allegan County.

Staffing changes/cutbacks continue to impede timely follow-up and treatment of positives in the county. Outreach testing has also been impacted negatively.

New collaboration formed with CARES for HIV education/prevention/testing in the Saugatuck/Douglas community.

Regional STD discussion group initiated to share best practices and to network with neighboring counties and state program directors in an effort to decrease STD incidence.

Increased STD/HIV screening and education at the Youth Detention Center.

Special 317 Adult Hepatitis A & B Initiative from MDCH provides free vaccine to high risk individuals in STD clinics. We have taken advantage of this and encourage vaccination to our clients who qualify. Also HPV vaccine is now available free (administration cost applies) to women ages 19-26.

One potential challenge is our ability to adhere to the MI-ACET standard of Direct Observed Therapy (DOT) of all active TB cases and high -risk individuals with LTBI (latent TB infection). Clients with active TB disease who are resistant to certain medications require active intervention; staff make weekly home visits to these homes to ensure medications are being taken properly.

Another challenge lies in our ability to provide outreach and services with minimal staff. This poses a challenge to attend community meetings, conferences, and educational opportunities, when the demand for services increases.

CHILDREN'S SPECIAL HEALTH CARE SERVICES (CSHCS):

2009 CSHCS GOALS
<i>-Educate community re: CSHCS services and services offered through Medicaid.</i>
<i>-Increase public awareness of the Family Support Network.</i>
<i>-Increase referrals to and from Early On.</i>
<i>-Continue to modify the data collection system.</i>
<i>-Continue to develop care coordination case management strategies.</i>
<i>-Coordinate with community agencies to obtain referrals for families that meet the criteria to gain assistance through the Children's Special HealthCare Services program.</i>
<i>-Attend wraparound meetings to advocate for services available to families.</i>
<i>-Increase Plan of Care activities to capture increased revenue from MDCH.</i>
<i>-To educate the community on Children Special Health Care Services in an effort to increase referrals and services for children with special medical diagnosis.</i>

CSHCS is a program for children and their families with special health care needs, including chronic health problems. Program staff provides information on service coverage and referral for specialty services, based on a child's health issues and concerns. CSHCS covers more than 2,000 diagnoses.

Families receive assistance through development of Level I Plans of Care (POC). These are conducted by a nurse via home visits and/or telephone.

For Level 1 POC, we receive reimbursement levels of \$150.00 HV/\$100.00 over the phone.

Level I POC Activities	
Visits	Insurance Status
34 Home Visits	CSHCS
2 Phone Consultation	CSHCS
43 Home Visits	CSHCS + Medicaid

Clients that request Care Coordination services are considered Level II and can be conducted over the phone.

For Level II services, we receive \$30.00 per unit

Level II Care Coordination Activities	
Visits	Insurance Status
18 Phone consultations	CSHCS
31 Phone consultations	CSHCS+ Medicaid

*A client can receive up to 10 units of service under the Care Coordination services.

Some CSHCS families require extensive Case Management services based on the needs. These families are enrolled in both CSHCS and Medicaid. In 2008, one family received case management services.

Over Both Level I and II services and Case Management has generated a total of \$13,220.

The state health department is providing some assistance to adults who no longer qualify for the CSHCS by transitioning these clients into the Medicaid program. Also, the payment agreement for clients has been modified to include the amount shown on an individual's 1040 tax form. Also, program staff assists families in filing for Medicare Part D, to cover the medication costs for clients that are dual enrolled.

MICHILD/HEALTHY KIDS/MOMS:

The Allegan County Health Department staff helps eligible county residents to enroll in the appropriate state health insurance program; these programs include Healthy Kids and MOMS. Healthy Kids is a program for pregnant women, babies, and children under age 19. Recently, MDCH provided an on-line application for the Healthy Kids/MICHild program. Thirty-three clients were referred to the website to complete the on-line application and/or; these clients were also referred to DHS to obtain assistance with food stamps and cash. In 2008, ACHD staff enrolled 44 families in Healthy Kids/MICHild. The Maternal Outpatient Medical Services (MOMS) is a program that provides emergency medical coverage for pregnant women. This program provides coverage for 90 days, until Department of Human Services approves coverage through the Healthy Kids program. In 2008, 85 women were enrolled in MOMS. Staff continually encourage and educate families and pregnant women to receive comprehensive health care and preventative care.

BABY LINKS:

Vision: All children in Allegan County will live in an environment that provides safety, good health, and education through a caring family and community.

Mission: Baby Links informs parents of the lifelong impact of a child's early environment, encourages parents to develop healthy choices and positive parenting skills, and provides a safe connection to community resources.

Families are often first introduced to community resources by Baby Links of Allegan County when they have a baby. The liaisons travel to area hospitals regularly to meet all moms with new babies from Allegan County. Families are screened for risk factors, provided information on resources and given referrals when appropriate. Families not seen in the hospital are screened when birth abstracts and/or information from hospital sources come into the BL office. When the screen result indicates the family to be high risk, a home visit is done. When families are not home, bags with notes and resource information are left at the door. Additionally, follow-up phone calls are attempted to all families not receiving a referral in the hospital or those that have certain risk factors will receive home visit from Baby Links. All county families also receive newsletters when their babies are newborns.

1331 birth abstracts of babies were born to Allegan County families in 2008 were screened. Many of these babies are at risk for developing health and learning issues that will impact their ability to be successful in school and in life.

High Risk is determined by an evaluation using the Baby Links assessment tool. High Risk indicates the presence of three individual risk factors or the presence of one major risk factor such as teen mom or medically fragile baby.

Resources are available that can help level the playing field for those children at risk and give them a better chance at a healthy, successful life despite their risks. The key for these families is early identification and early intervention. Baby Links works to identify those families at risk and link them to resources that can help the babies grow to be healthy and successful even in the presence of their risks. Currently, Baby Links staff consists of 2 professionals – one teacher and one nurse.

ACCOMPLISHMENTS FOR 2008:

- Collaborated with other agencies servicing young children (Allegan County 0 – 5 Service Network) to:
 - Plan and produce a Kick-Off to summer event in June of 2008. This is parenting resource information fair.
 - Led a team of local parents to Lansing in February to participate in the Legislative Day of the Zero to Five State Network.
- Continued to be involved in on-going discussions with the Allegan Area Educational Service Agency to design a single point of entry for families to services. The system would simplify the accessing of services for families and be cost effective method for providing services in light of the financial challenges of most agencies.
- Continue to build more effective relationships with area hospitals by talking regularly with hospital staff about better ways to serve Allegan County residents with newborns.

CHALLENGES AND CHANGES FOR 2008:

- Changes in the method of delivering the birth abstracts to the county. The State changed the delivery system of the abstracts from a mail based procedure to a web based method in 2007. This change transpired over 6 months, which meant we were not receiving the abstracts in a timely fashion as hospitals adjusted to this new method. The Baby Links Data Base System had to be updated to include these changes. The Baby Links Data Base is still being fine tuned so that data can be retrieved easily for various county reports and statistics. Work is nearly done for the births in 2008.

Early intervention and prevention programs not only benefit the families directly affected, but also the community at large by increasing the quality of life and creating a financial savings. According to recent research done by the Children's Trust Fund of Michigan, for every \$1 spent on prevention, \$34 could be saved on the treatment and consequences of child abuse and neglect.

While the focus of Baby Links is on identifying and linking families at-risk, Baby Links has something to offer every family in Allegan County with a baby – from fun and informative newsletters to hospital and home visits.

HEARING AND VISION:

2008 HEARING & VISION GOALS
-Maintain compliance with state minimum program requirements
-Reinstate guidelines and schedule to conduct hearing screenings of kindergarten-aged children.
-Partner with school districts to establish a process and schedule for rescreening students.

In 2008 there was a change in the personnel in Hearing and Vision, Sophie Radlinski moved to the Immunization Program and Samantha Ellis was hired as the new Technician. Samantha completed the training for Vision in Mt. Pleasant and Hearing in Taylor. Testing at local schools was delayed due to the 4 weeks of training in September and October that the technician underwent.

This fall, we began doing hearing screenings on Kindergarten students again. Kindergarten had been cut out due to the budget cuts a few years ago. We worked closely with ACRDC to screen all Allegan County Head Start children at ACHD in October and were able to bill all of those on Medicaid.

Billing schools at the rate of, \$50 for a ½ day and \$95 for a full day resulted in an income of \$4,725 for 2008.

The numbers for the preschool vision and hearing have averaged about the same as last year due to many options being available to parents. These options include vision screening through the family physician/pediatrician and the Wal-Mart stores have offered free vision screening for pre-k. The ACHD technician has also suggested that residents that live closer to neighboring health departments contact them. The area HD's are listed on the summer and spring break schedule for easier access. Children have been presented to ACHD only for the hearing screening if it hasn't been completed at their physician's office.

Hearing and Vision Totals for 2008

<u>Preschool Hearing</u>		<u>Preschool Vision</u>		<u>School-Age Hearing</u>		<u>School-Age Vision</u>	
January	3	January	3	January	377	January	773
February	1	February	1	February	399	February	902
March	1	March	1	March	481	March	1406
April	139	April	119	April	293	April	1109
May	27	May	27	May	127	May	386
June	19	June	17	June	0	June	2
July	16	July	16	July	0	July	0
August	78	August	75	August	0	August	0
September	5	September	7	September	1	September	222
October	118	October	125	October	236	October	296
November	9	November	7	November	568	November	677
December	1	December	1	December	112	December	111
Totals:	417	Totals:	399	Totals:	2594	Totals:	5884

Vision Totals by School District 2007 (Jan 1 - Dec.31)

Allegan	750
Discovery El	45
Fennville	823
Glenn	40
Hamilton	0
Hopkins	409
Holland Christian	0
Martin	108
Otsego	771
Plainwell	1000
Saugatuck/Douglas	58
Wayland	1589
ACHD	411
Totals:	6004

Hearing Totals by School District 2007 (Jan 1 - Dec. 31)

Allegan	345
Discovery El	54
Fennville	305
Glenn	20
Hamilton	0
Hopkins	105
Holland Christian	0
Martin	31
Otsego	381
Plainwell	442
Saugatuck/Douglas	0
Wayland	880
ACHD	429
Totals:	2992

Report 20
End

MATERNAL INFANT HEALTH PROGRAM (MIHP):

2009 MIHP GOALS
<i>-Provide ongoing continued Quality Improvement (CQI) (chart reviews, satisfaction surveys, etc.).</i>
<i>-Continue to assess to program's need to accommodate Michigan's Managed Care System via contractual relationships to provide services to Medicaid Certified Managed Care Organization recipients.</i>
<i>-Expand collaborative arrangements with other Allegan County early intervention service providers.</i>

- Provide “MOMS” enrollment services for appropriate residents.**
- Smoking education and cessation programs to decrease risk to infants.**
- Domestic Violence and personal safety assessments and educational programs to decrease risk to families.**
- Expand literature available in general, Mental Health and nutrition issues.**

Mission Statement: To improve Maternal and Infant health and well being by providing nursing, psychosocial and nutritional services. Our goal is to increase access to health care, health education and health insurance. This is done in an effort to strengthen families in Allegan County.

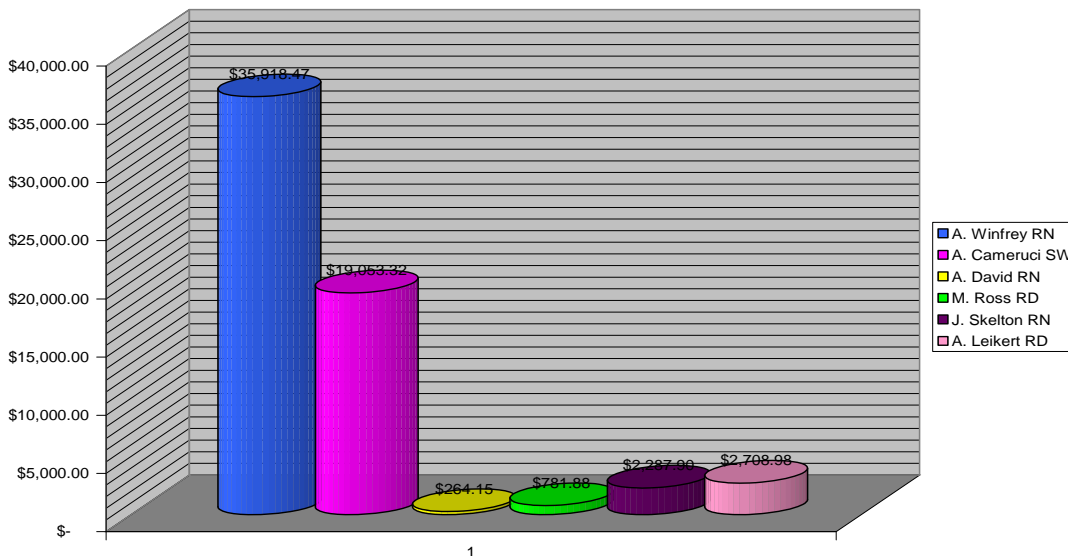
The MIHP program is designed to:

- Improve pregnant women and infants well being
- Provide nursing, psychosocial and nutritional service
- Increase access to healthcare, health education and health insurance
- Assists women to get infant supplies, including cribs, car seats, dressers, etc.

In 2008 referrals were passed on to other agencies due to the lack of staff. In 2008 we had one full time RN, part time RN, part time SW and a part time RD.

The MIHP team made 731 visits for 2008 with a total of \$ 66,395.00 billed out. A total of \$ 61,014.70 was received.

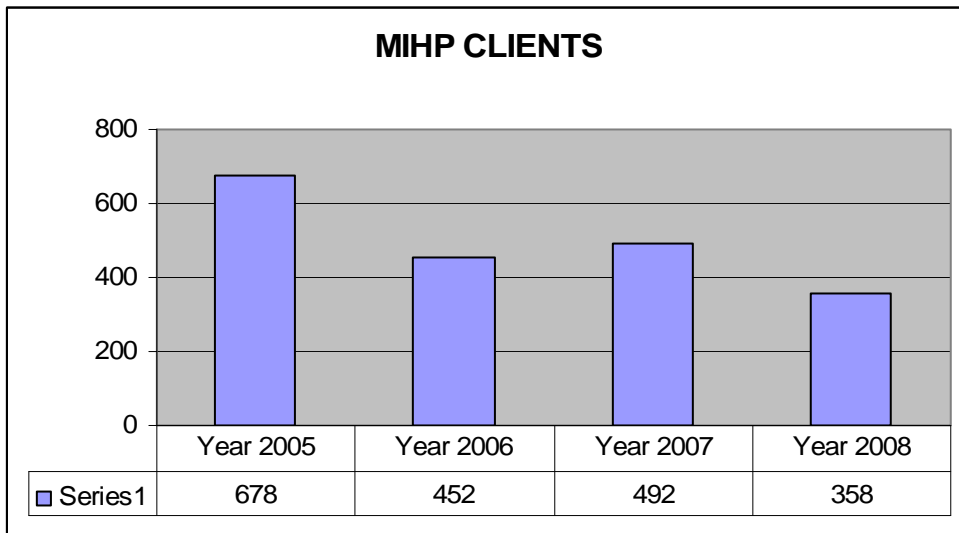
MIHP Monies Received for 2008



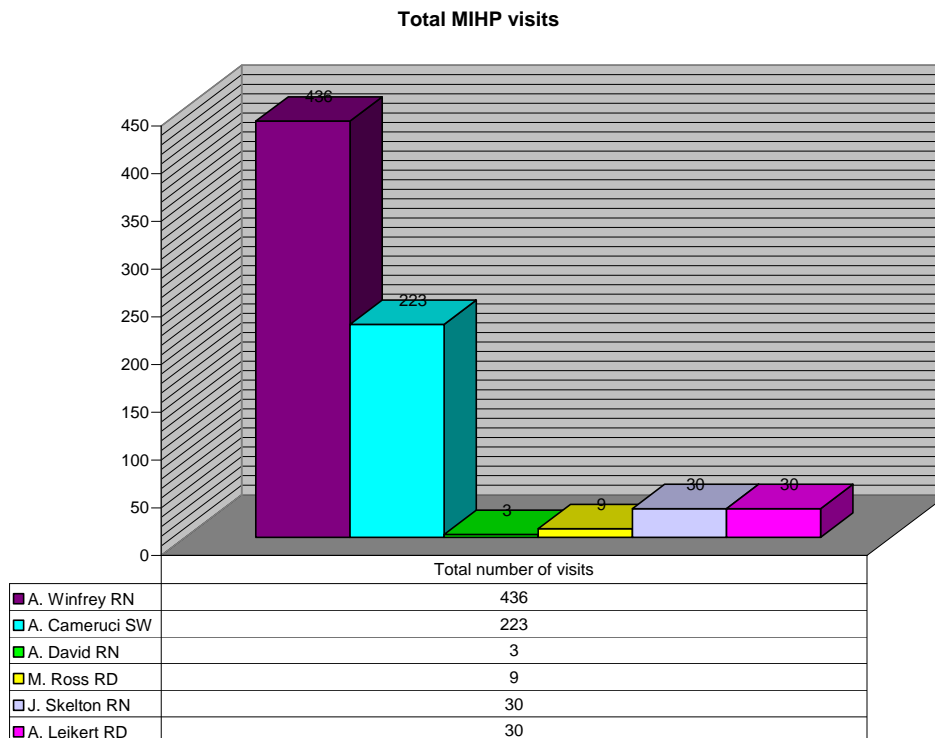
	2004	2005	2006	2007	2008
MSS under age	66	91	25	17	16

19					
MSS 19yrs+	226	145	188	183	147
ISS	305	295	239	292	195

* Fluctuations in the number of cases exist due to staffing loss of a nurse, social worker, and dietician throughout 2005.



The MIHP team made 731 visits for 2008 with a total of \$ 66,395.00 billed. The part time RN position was shared between 2 people as well as the RD position. Old staff left and new staff was hired to fill their positions. As you can see by the graft below the full time RN and part time SW carried the majority of the caseload.



LEAD EDUCATION:

2009 LEAD GOALS
<i>- To offer lead testing to eligible Medicaid clients.</i>
<i>-To conduct follow-up investigations on those clients with lead levels of 10 ug/dcl or greater.</i>
<i>-To assure CQI processes are utilized throughout activities of program.</i>
<i>-To provide education to health care providers, parents, day care facilities, AAESA, and Head Start staff on the importance of lead testing.</i>
<i>-To continue offering lead testing on a fee for service basis to the general public.</i>

Public Health Nurses followed up on children with lead levels 10 ug/dcl and over. Education is provided on sources, nutrition, lead elimination, symptoms, long- term effects and referrals. Additionally, staff conducts outreach services to Head Start clients who request lead testing. Mostly, lead testing is completed through our Immunization clinic hours by appointment held at the Health Department. In 2008, 1652 lead tests were conducted by ACHD and providers throughout the area. 17 children received lead testing services through the Health Dept.

Sixteen children were reported with high lead levels. One accomplishment for this program is that the number of children with elevated venous lead levels above 10 ug/dcl continues to decline, as education is provided to community residents by public health nurses, sanitarians, and providers throughout the county.

OPTIONS COUNSELING:

In 2008, eight women received services through our Options Counseling Program. Through this program, educational information and support are provided for pregnant women who may be seeking alternative means to keeping their baby. Women receive comprehensive information on abortion, adoption, and parenting to assist them on making an informed decision.

HEALTH EDUCATION:

2009 HEALTH EDUCATION GOALS
■ Attain the highest possible standard of health and well-being for Allegan County residents through disease prevention, health promotion, policy development and environmental change.
■ Provide effective education designed to motivate and assist Allegan County’s residents to maintain and/or improve their health, safety and reduce injury and disease related risks.

Core services:

- 1. Collect data on community health indicators.*
- 2. Disseminate information on community health data to indicate trends and patterns of human health behavior.*

3. *Collaborate with other sections to provide health behavior and health education perspective on public health programs.*
4. *Develop comprehensive and culturally sensitive health education materials.*
5. *Search for alternative sources of funding through grants to address health issues as prioritized through the Community Health Assessment and Improvement Project and Federal, State and Local Assessments.*
6. *Provide resources to assist community members with smoking cessation.*
7. *Educate community about hazards of second hand smoke and advocate for smoke free environments.*
8. *Instruct on lifesaving techniques as outlined by the American Heart Association.*
9. *Deliver health education programming applicable to diverse and at-risk populations such as people with disabilities and seniors.*
10. *Prepare individuals, schools, agencies and organizations with knowledge and competencies to deal with natural disasters and other public health emergencies.*

Background:

The Health Promotion Section aims to increase residents' knowledge on the physical, social, emotional, and intellectual dimensions of wellness, thus enabling them to make informed choices about their overall health. Wellness is a way of life that emphasizes health promotion measures such as healthy eating, learning to manage stress, reducing one's risk of contracting a disease, and preventing injuries. Taking responsibility for one's own health is an essential step towards developing and maintaining a healthy, active lifestyle. Health educator locates and evaluates health information and resources to encourage healthy behavioral changes. The section serves to provide educational materials and curriculum recommendations on a variety of health and safety issues and topics that effect community residents. Furthermore, this section published, The Health Connection Newsletter which is available on-line through the county website. Examples of out-reach community events that the health educator participated in 2008 were Miranda Park Party, Infant Oral Health Summit, Pandemic Planning Summit and Project Homeless.

Through coordination with community programs and out-reach events, the health educator works to address health and safety issues associated with secondary risk factors. These risk factors are health behaviors practiced by the residents; environmental conditions that exist; and accessibility and availability of quality health and supportive care. The section provides residents with information on the responsible use of medicines as well as the effects of alcohol, tobacco, and prohibited drugs. The appropriate use of medicines prevents serious health problems, reduce absenteeism from work and school, and enhance the quality of life. The health educator research funding opportunities that are be applicable to the Allegan County's needs. In 2008, the section received two grants for health promotional activities. One of those grants was from The National Association of City and County Health Officials (NACCHO) and Center for Diseases and Prevention (CDC) to support the activities of Allegan County's Health Educator to mentor two local health departments in strategies to address disabilities and health.

The health educator has memberships in federal, state and local organizations, coalitions and workgroups. One of the workgroups, MACC-Health was chaired by this section, health educator. This workgroups' goals are to (1) increase use of health care services located in Allegan County by increasing community's knowledge of services available, and identify and categorize mental health services and any needs not being addressed in Allegan County.

Programs planned and implemented by this section in 2008:

Power Up for Healthy Hawks Health Fair- Fennville Middle School

Goals:

- (1) To promote health awareness, and
- (2) To encourage individuals to assume responsibility for their own health

“Power Up for Healthy Hawks” was the theme at the health fair held with Parent-Teacher Conferences at Fennville Middle School. FMS has a demographic of over 50% Hispanic population with approximately 90% of these families attending the conferences. This interactive event was possible by a grant from the O’Leary Foundation of Allegan County. The foundation support programs in human services, education and health care initiatives that offer significant potential for individual development and community improvement.

The school's Cafeteria staff turned the school's cafeteria into a display of Steamfresh vegetables, which were donated by Birds Eyes Foods, Inc. Reportedly, only 17% of schoolchildren eat the recommended serving of vegetables each day. A taste testing section of various vegetables (Broccoli, Brussels sprouts, Cauliflower, Corn, Green Beans and Peas) were created and displayed in the lunch cafeteria to educate and encourage the students and their family members to consume more vegetables. They were encouraged to taste test the different vegetables and complete checklists on if any of those vegetables was new to them, and if they liked them, and if they will eat them and how frequent. The school’s gymnasium was transferred into a scavenger hunt for health information. Each participant received a scavenger hunt’s questionnaire that required him or her to visit each health station to receive the answers. This encouraged information exchanges on key aspects of healthy choices.

PREPARE Train-the-Trainer- Borgess Medical Center

Goal: Educate core trainers on readiness, recognition, and multidisciplinary response to disasters and emergencies.

Licensed PREPARE specialists staff members from Allegan County Health Department, in collaboration with Kalamazoo County Health & Community Services conducted a free, interactive training called PREPARE. This seminar was for individuals working with organizations and agencies providing services to seniors. Specialists provided tools to develop emergency preparedness all-hazard plans. PREPARE is an award-winning training specifically developed for organizations providing services to seniors. Participants explored primary hazards for our region, as well as emerging health risks. They were given valuable community resources to enhance their planning efforts. They developed strategies to help maintain safe environments, while providing the highest standard of care. The health promotional section is available to hold other seminars in Allegan County.

Healthy Lifestyles: Allegan County

Goals:

- 1) Provide people with disabilities and disabled elder citizens appropriate wellness education with an integrated approach to health.
- 2) Mentor other local health departments in strategies to address disabilities and health.

With funding from the National Association of City and County Health Officials (NACCHO), ACHD selected the Healthy Lifestyle program from Oregon Health & Science University, Center on Community Accessibility (OHSU-CDRC) to conduct a pilot program and mentored two other local health departments in addressing disabilities and health. The “Healthy Lifestyles” seminar for people with disabilities in Allegan County and monthly support groups for the participants. These outreaches centered on the holistic approach to health for people with disabilities; these approaches included physical, social, emotional, spiritual health and health through meaningful activities. This pilot program in a local public health department setting demonstrated statistically significant improvements in the participants. The Oregon Office on Disability and Health OHSU – CDRC plan is currently evaluating the replicability of the Healthy Lifestyles program in other settings. The Allegan County demonstration site will allow results to be analyzed, interpretations to be examined, and extensions to be explored. Allegan County Health Department will continue to collaborate with Oregon Office on Disability and Health OHSU – CDRC in this evaluation and a deliverable (professional article for publication) is in the planning phase.

American Heart Association-Life Support Classes:

Goal: Instruct on lifesaving techniques as outlined by the American Heart Association

The health promotion section provided Heartsaver CPR & AED courses to the county employees and health & human services employees. The Basic Life Support for the Healthcare Providers course was provided to the ACHD nurses. The BLS Healthcare Provider Course is designed to provide a wide variety of healthcare professionals the ability to recognize several life-threatening emergencies, provide CPR, use an AED, and relieve choking in a safe, timely and effective manner. The course is intended for certified or non-certified, licensed or non-licensed healthcare professionals. The Heartsaver CPR & AED Course taught the basic techniques of adult CPR and how to use an AED. Students also learn about using barrier devices in CPR and giving first aid for choking. The course teaches how to recognize the signs of four major emergencies: heart attack, stroke, cardiac arrest and foreign-body airway obstruction.

PUBLIC HEALTH EMERGENCY PREPAREDNESS & BIOTERRORISM

2009 EMERGENCY PREPAREDNESS GOALS
<i>-Enhance the quality of our emergency plans to include a public health focus.</i>
<i>-Improve communication links to state, local, regional, and federal level to address public health emergencies and bioterrorist threats.</i>
<i>-Enhance the quality of our disease surveillance system.</i>
<i>-Provide and/or coordinate the provision of training for public health staff in responding to emergencies and disasters.</i>
<i>-Conduct tabletop drills and exercises to assess public health readiness to address public health emergencies and disasters.</i>

In 2008 the Bioterrorism and Emergency Preparedness Team, continued in the execution of the CDC Grant. Don Haneckow continues as the Emergency Preparedness Coordinator. Kathy Yonkers-Wright continues as a

Health Educator for the Health Department with a focus on Bioterrorism and Emergency Preparedness outreach programs. In 2008 the focus was primarily on education, information, and planning for a "Pandemic".

The Preparedness Team used the information gleaned from a Michigan Center for Public Health Preparedness Training Assessment and a Pandemic Influenza Preparedness Assessment that was done in 2007, along with feedback from a review by the State of Michigan, Office of Public Health Preparedness, to revise our pandemic influenza work plan and present training programs on emergency preparedness with a specific focus on the possibility of a pandemic event such as a influenza or other massive medical response.

Plans or policies were revised to meet new guidance from the CDC. Our 2008 "All Hazards Plans"(AHP), the Strategic National Supply (SNS) plans and the Crisis Emergency Risk Communications (CERC) plans were submitted for review by the State.

Outreach training and exercising continued through out the year, exercises were done that tested the Health Department's ability to respond during off hours, to unusual circumstances, and in conjunction with other entities such as Emergency Management or the Circuit Court.

Two major exercises were done during the year. The first was a full scale dispensing exercise done at Bronson, Michigan that tested the ability of Health Departments to respond to a major outbreak of a disease and to dispense medicines in a timely manner to those in need. For this exercise the Allegan Health Department sent a strike team of 12 colleagues to assist Branch/Hillsdale/St. Joseph Health Department at a dispensing exercise. This tested our ability to form up into a strike team, train, convoy, and arrive in a timely manner, perform as trained, and return safely. We utilized county vehicles and 800 MHz radios were used to communicate.

In October of 2008, Allegan County Health joined representatives from local hospitals and attended Pandemic Influenza Planning and Preparedness training and exercises at the Center for Domestic Preparedness in Anniston, Alabama. This was a three day review of the problems that would be associated with a pandemic. It culminated in a day long table top exercise. This training is provided by the Federal Emergency Management Administration (FEMA). FEMA covers cost of travel, lodging, meals, and tuition. This training is recommended for local public officials and health care leaders.

Kathy Yonkers-Wright and Don Haneckow have both become "PREPARE" trainers. This is a structured program for long term care facilities and others that provide care services to targeted groups within the community, which assists them in making plans and preparations to deal with disasters and disease. In collaboration with Kalamazoo County Health and Community Services an initial presentation on this program was done for 48 attendees, 15 of whom were from Allegan County.

One component of this program is to develop and maintain a "Crisis and Emergency Risk Communication Plan" (CERC). MDCH awarded 100% scores in the CERC plan for 2006, 2007, and 2008. . Within the CERC plan, staff serves as the "Public Communication Officer" in time of public health emergencies. The section delivers proactive public emergency preparedness press releases, fact sheets, trainings and consultation services to individuals, schools, industry, organizations and agencies.

Articles about emergency preparedness have been posted in the Health Department newsletter which goes to over 350 health care stake holders in our community. We were also able to continue the development of our

Bioterrorism and Emergency Preparedness Web Page which is linked to the Health Department Web Page on the Allegan County internet site www.allegancounty.org

The Bioterrorism and Emergency Preparedness staff continues to work in cooperation with other agencies in our community and our region. They participate as members of the Allegan Local Emergency Planning Committee (LEPC), the LEPC Exercise Committee, Allegan Emergency Medical Services Committee, and the 5th District Medical Response Coalition. They have chaired various committees and sub-committees of these groups.

ENVIRONMENTAL HEALTH PROGRAMS:

2009 ENVIRONMENTAL HEALTH GOALS
<i>-Be able to accept credit card payment.</i>
<i>-Be able to accept application and payments over the internet.</i>
<i>-Implement a better enforcement mechanism for violations of non-compliance possible through the use of civil penalties or appearance tickets as allowed under the Public Health Code.</i>
<i>-Continue to monitor West Nile Virus and other diseases of public health significance.</i>
<i>-Provide ability to use County GIS system in the health department.</i>
<i>-Provide additional services involving mercury and lead based paint.</i>

Programs offered through the Environmental Health Program assist in the monitoring and inspection of various community facilities to assure safety and standards of compliance. Staff working within these programs (sanitarians) has thorough knowledge of the current laws and regulations affecting water quality, food safety, construction, etc. Several factors, including population growth affect the work they do. In 2007, 4 developments, including 173 new lots were approved for site condominium/subdivisions.

Detailed below are descriptions of the various programs offered through this program and the standards utilized in issuing permits and licenses.

WATER QUALITY

2009 WATER QUALITY GOALS
<i>-To expand the water well permit program placing emphasis on well abandonment and septic tank abandonment in areas of the County where municipal water and/or sewer are being extended.</i>
<i>-Provide ground water contamination maps to well driller's and local officials to identify areas of known groundwater contamination and areas under investigation</i>

The water supply program consists of three parts: construction permit, final inspection, and evaluation. All water wells are governed by the Allegan County Water and Sanitary Regulations and state law Part 127 of Act 368 of the Public Acts of 1978, which governs construction materials, construction standards and water quality. Construction permits govern the location of the well, construction standards, depth and isolation distances. Final inspections assure that the well is constructed according to the permit and sampling requirements which in turn assure compliance with water quality standards. Evaluation of existing water wells are conducted at the request of lending institutions to determine the construction of the wells and water quality prior to the lending institution issuing a mortgage for the property. Consultation on construction and water quality are provided at any time. The program covers all residential and non-community water supplies.

Another program, related to water quality is Groundwater Contamination. The Groundwater Contamination Program involves the investigation of new and existing groundwater contamination sites, consultation on the potential health effect of contaminants, issuing Health Advisories against the consumption of contaminated water, and long-term monitoring in areas of known contamination.

Bathing Beach Monitoring programs are also crucial to preserving the waters used by community residents for recreational purposes. The bathing beach monitoring program involves monitoring water quality at nine public bathing beaches for compliance with state bacteriologic standards for total body contact and issuing health advisories against body contact if the bacterial counts exceed the state standard.

ON-SITE SEWAGE DISPOSAL

2009 SEWAGE GOALS
<i>-Update County water and Sanitary Regulations to reflect current technology and construction technique.</i>
<i>-Evaluate failing sewage disposal systems to attempt to identify the reason for system failure. Use the information to determine if changes are needed in regulations or design criteria to prevent failure. Also educate to public on most common causes of failure</i>

The on-site sewage disposal programs consist of four basic parts: site evaluation, construction permit, final inspection and evaluation. Site evaluation determines soils ability to accept sewage effluent factors by determining soil type, seasonal high water table, lot size, and topography. A construction permit is issued based on soil type, other limiting factors, the size of structure and potential water usage. It includes size of septic tank(s) and secondary disposal system, specific location if necessary and any fill which may be required to overcome soil limitations. Once the sewage system is installed, but before it is covered, a final inspection is conducted to assure the system is installed and in compliance with the permit. Evaluations of existing systems are conducted to determine the condition of sewage systems usually at the request of a lending institution prior to issuing a mortgage for a property. Consultations are provided for on-site sewage disposal systems during all facets of the program. The Allegan County Water and Sanitary Regulations govern sewage disposal systems for one and two family residential dwellings. Sewage systems for commercial systems with flow up to 10,000 gallons per day are covered by the same regulations and guidelines for site criteria and sizing from the Michigan Department of Environmental Quality.

Several factors influence the number of soil evaluations conducted. Factors such as population growth in or the need to examine existing sites for safety and possible usage influence the demand for these services.

	Services By Township 2008						Total
	Soil Evaluations	Septic Permits	Well Permits	Loan Evaluations	Soil Erosion		
Allegan	12	24	25	33	12	106	
Casco	12	17	32	4	13	78	
Cheshire	4	5	8	6	6	29	
Clyde	1	4	14	10	4	33	
Dorr	10	25	35	35	12	117	
Fillmore	1	6	17	16	11	51	
Ganges	18	23	25	15	14	95	
Gun Plain	5	23	21	26	1	76	
Heath	11	21	23	25	4	84	

Hopkins	5	8	16	12	5	46
Laketown	14	26	21	16	8	85
Lee	7	17	30	5	8	67
Leighton	11	17	36	14	25	103
Manlius	6	15	15	15	3	54
Martin	1	9	7	10	2	29
Monterey	3	10	12	16	6	47
Otsego	9	27	31	21	7	95
Overisel	3	13	18	14	5	53
Salem	12	23	15	25	4	79
Saugatuck	14	29	23	35	41	142
Trowbridge	3	13	18	12	10	56
Valley	1	6	9	8	1	25
Watson	6	11	10	17	2	46
Wayland	4	10	22	13	10	59
	173	382	483	403	214	1655

Year	Soil Evaluations Total
2004	754
2005	692
2006	487
2007	314
2008	173

Year	Septic Permits Total
2004	986
2005	886
2006	704
2007	533
2008	382

Year	Well Permits Total
2004	1085
2005	891
2006	839
2007	657
2008	483

Year	Loan Evaluations Total
2004	628
2005	593
2006	503

2007	487
2008	403

FOOD SERVICE:

2009 FOOD GOALS
<i>-Continue to provide educational programs for food handlers through the Health Department or at individual establishments.</i>
<i>-Work on improved data management system to gather inspection data and produce narratives on-site,</i>
<i>-Attempt to locate staff resources providing food inspections for the enhanced growth of newly formed food establishments.</i>
<i>-Implement new plan review procedure for new and remodeled food service establishments incorporating the newest recommended procedure from MDA.</i>
<i>Evaluate a new program which would post latest inspection report for all food service establishments on the internet.</i>
<i>-Acquired Sword Solutions Systems computerized evaluation program. Facilitates meeting Minimum Program Requirements for Cycle Four specifically in the area of three part narrative and frequency of evaluations.</i>
<i>-Staff resources increased by half and FTE.</i>
<i>-Implemented Minimum Program Requirements in Plan Review of new and remodeled establishments.</i>
<i>-Provided location and trainers for food service managers to complete the newly required manager certification course.</i>
<i>-Continue to provide manager certification courses utilizing existing staff.</i>
<i>-Develop a newsletter to provide more frequent communications link with food service establishments.</i>
<i>-Continue with staff training to maintain and enhance the present level of competency.</i>
<i>-Evaluate a new program which would post latest evaluation report for all food service establishments on the internet.</i>

The Food Service Program is a comprehensive program to license and evaluate fixed food service establishments, vending machines, special transitory food units (STFU), and temporary food service establishments. Services involve field evaluations; plan reviews of new and remodeled establishments; consultation and training; complaint and food-borne disease investigations. Food service establishments are governed by the Michigan Food Law 2000, as amended and licensed by the Michigan Department of Agriculture. Licenses are issued by the state based on recommendation from the local Health Department.

Year	Fixed Food Inspections
2004	482
2005	548
2006	537
2007	511
2008	512

Year	Temporary Food Inspections
2004	83
2005	71
2006	60

2007	56
2008	104

Year	Mobile, Vending STFU
2004	47
2005	70
2006	43
2007	75
2008	31

Year	Consumer Complaints	Foodborne Illness Complaints
2005	NA	5
2006	NA	3
2007	4	7
2008	5	5

OTHER LICENSING AND INSPECTION PROGRAMS:

In addition to the above-mentioned program, the Allegan County Health Department is involved in a number of licensing programs where licenses are issued by the state based upon inspections and recommendations from the County Health Department. The programs are campgrounds, public swimming pools, FIA Child Care and Day Care facilities, septic tank pumpers, and sewage disposal sites. These programs ensure the safety and protection of our community residents who utilize various facilities. In 2008, the following sites were inspected:

- 33 campgrounds
- 82 swimming pools

We no longer conduct inspections of mobile home parks.

The Health Department is involved in a number of other monitoring, inspection and consultation programs including house numbering, radon, lead-based paint, West Nile Virus, Eastern Equine Encephalitis, fish consumption advisories, and mercury.

RECYCLING

2009 SOLID WASTE PLANNING/RECYCLING GOALS
<i>-Increase the volume of materials being recycled. Expand services through increased availability of sites and collection of additional materials. Increase the number of people participating in area recycling programs.</i>
<i>-Work with local government officials and area waste haulers to improve and expand services.</i>
<i>-Continue producing ads and brochures. Generate press releases and feature stories.</i>
<i>-Conduct presentations for schools and service clubs.</i>
<i>-Continue educational projects coordinated with the Intermediate School District.</i>
<i>-Create educational display booth for Allegan County Fair.</i>
<i>-Ensure quality of services consistent with contracts.</i>

-Obtain competitive pricing from contractors.

-Increase volumes of materials recycled.

Most Allegan County recycling programs depend on a partnership between county and local governments. Through the auspices of Michigan's Urban Cooperation Act, the Allegan County Board of Commissioners had interlocal agreements with twenty-one cities and townships in 2008 regarding the financing and management of waste reduction efforts. These Recycling Surcharge Contracts are renegotiated at five year intervals and current agreements are in effect through 2010. One community, Saugatuck City combined garbage and recycling services together and withdrew from the county's recycling program at the end of 2008.

Under the county's Resource Recovery program, local units of government can assess an annual, per household, recycling fee of up to \$25, generating revenue to provide a variety of community based services. In 2008, 25,661 households had access to the program, with curbside collection available in ten communities and sixteen drop-off sites servicing other areas. After paying recycling fees, residents receive Resource Recovery identification cards, which allow them to drop off appliances, tires, polystyrene foam and household batteries at one of the county's two monitored recycling depots.

Card holders can also schedule appointments with the Resource Recovery Coordinator to bring hazardous materials to the Health Department on Tuesdays and Thursdays. (One day Saturday collection events are also held in Wayland and Saugatuck each spring.) Resource Recovery sorts and packs materials in drums, where they are safely stored for proper transport and disposal by a specially licensed contractor. In 2008, 188 program participants generated 5.32 tons of hazardous waste, an average of 57 pounds per person.

The county program recycled 3,435 tons of residentially generated materials in 2008. This included 3,439 tons of paper, glass, metal and plastic from community drop-off sites and curbside collection efforts, as well as 29 tons of appliances and 2,835 tires.

Resource Recovery creates annually updated program fliers for all communities, copies of which are sent to cities and townships for photocopying and local distribution. The coordinator also gave 14 presentations to government boards and councils in 2008. Resource Recovery worked with the Allegan County Area Educational Service Agency's Math & Science Center to organize the annual Eco-Races, held in May at the US-131 Motor Sports Park. For the past four years, managers at the Motor Sports Park in Martin have generously donated the use of their entire facility for this two day event. In Trash Dash, middle school students designed, built and raced battery powered model cars made from recycled materials. Sun Sprint featured teams of high school students racing model solar powered cars which they designed and built. Many school districts have so many classes involved in Eco-Races that they must conduct local run-offs to determine which teams earn slots for their cars at the official competitions. In 2008, nearly 700 students helped create cars for final and/or local races.

Resource Recovery maintains a page at the county's website, www.allegancounty.org. People can click on the link to recycling and access current program information, including all the fliers for participating communities, Household Hazardous Waste program information and a newly added "Resources for Educators" page that provides links to lesson plans and other sites of interest for environmental education.

Events and ideas for 2009:

- Electronics Recycling Collection event March 28th at the Allegan County Fairgrounds
- Would like to partner with Community Mental Health for a prescription medication collection.

- Begin discussing new methods for funding recycling in municipalities.

FINANCE & BUDGETING

ACTIVITY			ADJUSTED	SALARIES & FRINGE	OPERATIONAL	YEAR-TO-DATE
2008 ACTUAL EXPENDITURES			APPROPRIATION	BENEFITS	EXPENDITURES	EXPENDITURES
2210.	351	JAIL HEALTH CONTRACT	501,445.00	0.00	497,446.95	497,446.95
2210.	529	SOLID WASTE PLANNING	88,459.00	72,319.75	12,048.30	84,368.05
2210.	532	RECYCLING OPERATIONS	769,980.00	0.00	483,963.00	483,963.00
2210.	601	GENERAL HEALTH	455,780.00	302,472.66	136,891.28	439,363.94
2210.	603	PERSONAL HEALTH SERVICES	353,023.00	226,090.39	70,900.39	296,990.78
2210.	604	ENVIRONMENTAL HEALTH	259,466.00	210,186.20	36,991.96	247,178.16
2210.	606	VISION & HEARING	66,538.00	36,896.67	12,212.81	49,109.48
2210.	608	HEALTH PROMOTION PROJECTS	39,470.00	27,451.47	9,621.60	37,073.07
2210.	609	ENVIRONMENTAL HEALTH SERVICES	151,589.00	92,243.90	9,089.08	101,332.98
2210.	610	FOOD PROTECTION	185,256.00	161,795.13	26,450.73	188,245.86
2210.	611	ON-SITE SEWAGE	207,785.00	151,461.36	22,435.04	173,896.40
2210.	612	PRIVATE/PUBLIC WATER	194,904.00	144,778.83	35,503.22	180,282.05
2210.	613	ZERO TO THREE GRANT CHILDREN SPECIAL HEALTH SERVICES	30,649.00	15,816.48	9,322.58	25,139.06
2210.	618	MIHP	165,194.00	81,424.15	12,179.13	93,603.28
2210.	620	IMMUNIZATION PROGRAM	244,764.00	127,586.83	36,439.24	164,026.07
2210.	621	STD & HIV SERVICES	140,972.00	81,779.55	43,230.16	125,009.71
2210.	622	COMMUNICABLE DISEASE CONTROL	65,133.00	41,217.39	15,419.12	56,636.51
2210.	623	BIOTERRORISM GRANT	70,217.00	55,262.87	13,454.42	68,717.29
2210.	624		178,549.00	96,833.86	48,659.92	145,493.78
TOTALS			4,169,173.00	1,925,617.49	1,532,258.93	3,457,876.42

FINANCIAL ANALYSIS

Statement of Revenues, Expenditures and Fund Balance

	Original Budget	Final Budget	Actual	Variance With Final Budget
Revenues				
Licenses and permits	\$316,620	\$316,620	\$364,963	\$48,343
Intergovernmental revenue:				
Federal	479,134	475,556	396,607	(78,949)
State	416,449	466,512	601,848	135,336
Charges for services	734,210	734,210	755,957	21,747
Interest and rentals	2,600	2,600	34,770	32,170
Other revenue	416,167	416,167	124,136	(292,031)
Total Revenues	2,365,180	2,411,665	2,278,281	(133,384)

Expenditures				
Current:				
Health and welfare	3,696,621	3,707,043	3,461,688	(245,355)
	<hr/>			
Revenues over(under) expenditures	(1,331,441)	(1,295,378)	(1,183,407)	111,971
Other financing sources				
Transfers In	1,089,060	1,052,997	1,052,997	0
	<hr/>			
Net change in fund balance	(242,381)	(242,381)	(130,410)	111,971
Fund Balance, beginning of year, as restated	489,126	489,126	489,126	0
	<hr/>			
Fund Balances, end of year	\$246,745	\$246,745	\$358,716	\$111,971
	<hr/> <hr/>			

Fund Balance Designations:

Jail Health Program	(\$488)
Recycling Planning & Operations	\$296,682
General Administration	\$30,940
Personal Health Services	**** (\$116,558)
Environmental Health Services	\$107,444
Bioterrorism	\$40,696
	<hr/>
Total Fund Balance	\$358,716

**** Medicaid Cost Reimbursement Payment

In conclusion, 2008 has brought numerous challenges on various levels. Health Department staff strives to provide the highest quality of service, while meeting the demands of accreditation preparation, meeting minimum program requirements, and responding to newly emerging health threats. Staff have developed innovative ideas to address public needs while building a healthy Allegan community.

The only voyage of discovery would be not to visit strange lands, but to possess other eyes.”--- Marcel Proust.



Thank you for your support and encouragement over the years!!!