



**CALHOUN COUNTY**  
**PUBLIC HEALTH DEPARTMENT**  
**ANNUAL REPORT**

---

2005-2006



# A YEAR IN REVIEW

Calhoun County health efforts are facilitated by the Calhoun County Public Health Department (CCPHD) led by the Health Officer. CCPHD provides leadership and support to Calhoun County's public health initiatives. CCPHD's management team coordinates and facilitates strategic planning, and manages CCPHD's financial controls.

In FY 2005-2006, the Calhoun County Public Health Department went through many changes including a strategic planning process, identification of short and long term goals, and a reorganization due to financial constraints. As CCPHD moves forward, personnel continue looking at community partnerships and collaborative opportunities.

FY 2005-2006 collaborative efforts included the transfer of the Breast and Cervical Cancer Control Program (BCCCP) administration to Kalamazoo County (August 2006) and the Family Planning Program (FP) to Planned Parenthood of South Central Michigan (PPSCM) (November 2006) reducing duplication of services. The BCCCP continues serving women in Calhoun County through PPSCM located in Albion, Battle Creek, and Homer. Current Calhoun County BCCCP providers remained, allowing CCPHD clients to continue with existing providers.

The Calhoun County Cancer Control Coalition (5Cs), a CCPHD partner, began a countywide effort to reduce the effects of secondhand smoke. The 5Cs developed a regulation to eliminate smoking in public and private worksites and public places, excluding bars and restaurants.

**SNAPSHOTS FROM THE 2000 CENSUS**

2000 number of people living in Calhoun County: 137,985  
 2005 projected number of Calhoun County residents: 134,628

Age	The age distribution of residents in Calhoun is similar to that of state residents	Calhoun	Michigan
		Children (0-17 years)	26%
Adults (18-64)		60%	62%
Adults (65 years and older)		14%	12%



Ethnicity	Calhoun		Michigan
	Number	Percent	Percent
Residents of Hispanic Origin	4,351	3.2	3.3

# FUTURE PLANNING

CCPHD implemented a strategic planning process in FY 2005-2006. Included in this process was the administration (by the WJSchroer Company) and completion of an Attitude, Awareness, and Usage Study (AAUS) in May through June 2006. A series of 58 questions were asked to a sample of Calhoun County citizens (406 surveys completed).

As part of this process, five CCPHD long range objectives and various benchmarks were identified. In response to these objectives, the CCPHD Health and Marketing Committees were implemented. The Health Committee is led by Kristin Roux, Health Education Coordinator, and the Marketing Committee by Brigette Reichenbaugh, Communications and Grant Manager. The 2006 Attitude, Awareness, and Usage Study revealed that:

- CCPHD's overall performance was rated at 4.74 on a scale of 1-7.
- About 17% of respondents used one or more CCPHD services in the past year.
- CCPHD users rated their services at 5.67 out of 7.0.
- African-Americans are more likely to contact CCPHD while Caucasians are more likely to seek information on the internet, however, both will access their physician's office.
- Only one-fourth of respondents believe that CCPHD is taking the lead on public health policy. However, CCPHD is the choice organization responsible for development of Calhoun County public health policy.
- CCPHD was more likely to be utilized by older citizens with higher educational profiles.
- Approximately one-fourth of respondents believe that CCPHD should be responsible for healthcare needs of the uninsured.
- CCPHD was noted as the organization that should take the lead in Sexually Transmitted Infections and Infant Mortality. Along with parents, Teen Pregnancy was also noted as a CCPHD-led initiative.

As a result of these findings, CCPHD identified benchmarks and charged the Health and Marketing Committees each with executing four of the five objectives as indicated alongside. The County Commission Board and Board of Health will work together to obtain agreement on a countywide health plan improving Calhoun County health indicators.

## Long-Range Objectives (2006-2011)

**Increase community awareness of CCPHD services over identified benchmark by 25%. (Marketing)**

**Reflect community diversity in CCPHD and all County health initiatives. (Health)**

**Improve the following health indicators:**

- Infant mortality
- Teen pregnancy
- Sedentary lifestyle
- Tobacco
- Health disparities

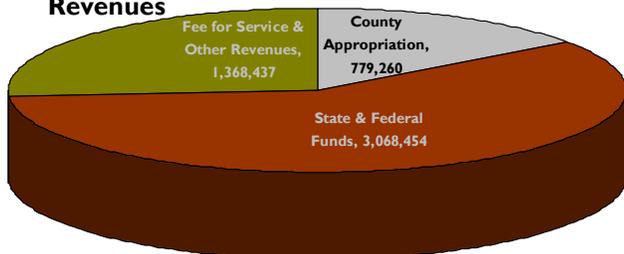
**(Health)**

**Establish and make available a Continuous Health Trend Data System to County Health providers. (Marketing)**

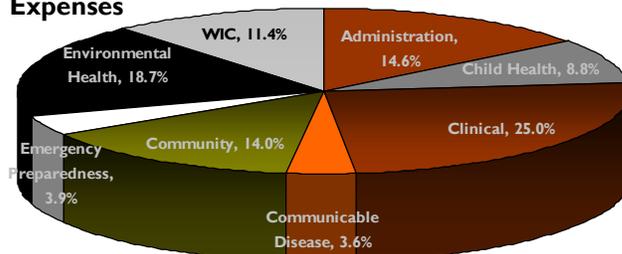
**Agreement by County Commission Board and Board of Health on health plan (and governance/working relationship). (Boards)**

## FINANCIALS

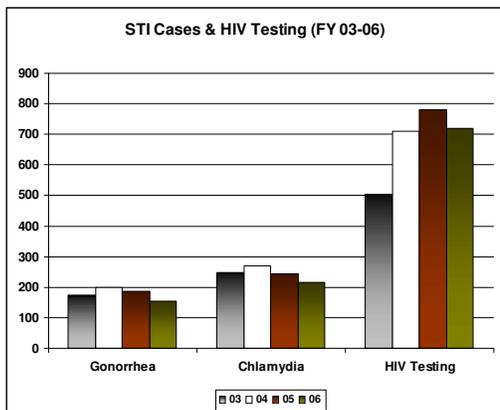
### Revenues



### Expenses



# CLINICAL SERVICES



## SEXUALLY TRANSMITTED INFECTION & HIV/AIDS

The Sexually Transmitted Infection (STI) program provides testing, treatment, and partner notification for those who test positive or who are contacts to someone with a positive test for syphilis, gonorrhea, chlamydia, or HIV. In 2006, the STI clinic had 2,523 visits and administered 721 HIV tests (six tested positive). These individuals receive treatment options and counseling through the CCPHD clinic.

The clinic distributed approximately 36,000 condoms in 2006, compared to approximately 32,000 in 2003.

### Nursing Clinic of Battle Creek

Located at 34 W. Green Street, Battle Creek, the Nursing Clinic of Battle Creek (NCBC) provides primary health care for the homeless and uninsured persons in our community. Services include health care screenings, treatment for acute and chronic health care problems, foot care, and referrals as needed. According to the Federal Uniform Data System report, the NCBC provided 3,123 encounters for 1,561 patients in FY 2005-2006.

### Breast & Cervical Cancer Control Program

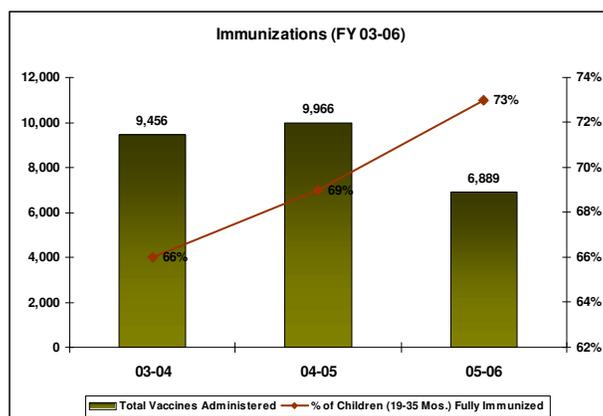
This federal grant program serves low-income women of all ages, especially but not limited to, women aged 40-64. Funding provides breast and cervical cancer screening services at no cost to uninsured women whose incomes are at or below 25 percent of the federal poverty level.

### Family Planning

The family planning program goal is to assist women in planning their pregnancy through comprehensive medical, educational, and counseling services related to contraception. Services are currently provided through Planned Parenthood of South Central Michigan.

## IMMUNIZATION

The Calhoun County Public Health Department works to protect the public from vaccine-preventable diseases. As parents, we want the best for our children and always aim to protect them. Their health and safety remain top priority. One of the simplest steps in protecting our children begins at birth – immunizations. Immunizations are available, and required before starting school, for our youngest citizens, from birth to six years of age. Vaccines are also available for adolescents and adults including Tdap (Tetanus-diphtheria-acellular pertussis vaccine), MCV4 (Meningococcal conjugate vaccine, otherwise known as spinal meningitis), and HPV (Human papillomavirus vaccine for girls).



# CARING FOR OUR CHILDREN

## CHILDREN'S SPECIAL HEALTH CARE SERVICES

The Children's Special Health Care Services (CSHCS) program is a Michigan Department of Community Health-funded health care program providing no-cost health care assistance to an average of 496 Calhoun County residents annually. The CSHCS program assists families of children, age 20 years and younger, with chronic medical, physician-diagnosed health problems. The CSHCS program helps families care for their children at home while maintaining normal routines.

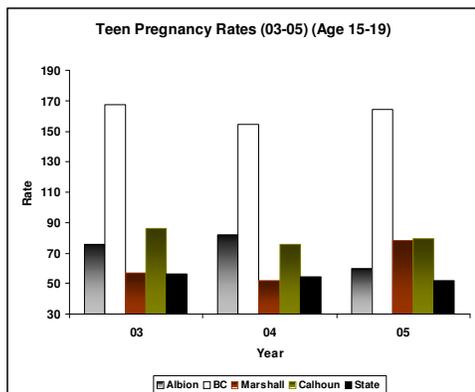
### GREAT CHOICES

The Great Choices program facilitates discussion with students regarding responsible decision-making, especially regarding sexual activity. Great Choices is an eight-part after-school program for junior high girls and boys.

## NETWORK FOR YOUNG CHILDREN

Network for Young Children is a Calhoun Intermediate School District (CISD) program that works with families to encourage the healthy development of their young children (age 0-3). CCPHD provides nursing services. Over the program's five year period, NYC provided services to 4,326 children.

## TEEN PREGNANCY PREVENTION PARTNERSHIP (TP3)



The TP3 was formed in 2000 to address the problem of high teen pregnancy rates in Calhoun County (Calhoun County rates remain higher than the State of Michigan). The community effects of high teen pregnancy rates include increased medical and financial issues for teens. Teen mothers are less likely to complete school and more likely to be single parents. Because of this, revised target goals were approved by both the TP3 and the Regional Health Alliance as a part of the Healthy Ventures 2010 (HV2010) community health agenda setting process including:

- Reduce Calhoun County's teen pregnancy rate by 5% to 76.4 by 2010.
- Reduce Calhoun County's teen pregnancy rate by 15% to 68.3 by 2015.

(Using 2003-2005 as baseline - 80.4)

## HEARING & VISION SCREENING

Hearing and vision screenings are provided to Calhoun County school-aged children. Good hearing and vision is essential for a child's healthy growth and development.

*\*Due to decreased State funding in 05-06, the hearing and vision State mandates were revised to provide hearing screenings for kindergarten only and vision screenings for first and third grade only.*

03-04: 17,930  
 04-05: 16,805  
 05-06: 6,256\*

## SCHOOL WELLNESS & STUDENT HEALTH

The CCPHD School Wellness program aims to provide a community-based service promoting the health and well-being of school-aged children (averaging approximately 20,000 annual visits). CCPHD provides school nurses in six Calhoun County school districts. The Student Health Center (SHC), located at Battle Creek Central High School, established in 1994, provides health care access for students. The SHC offers primary and preventative health care services and works with community organizations assuring students receive the services needed.

## STUDENT HEALTH CENTER

03-04: 2,807  
 04-05: 2,106  
 05-06: 1,329<sup>1</sup>

<sup>1</sup>(due to limited personnel)

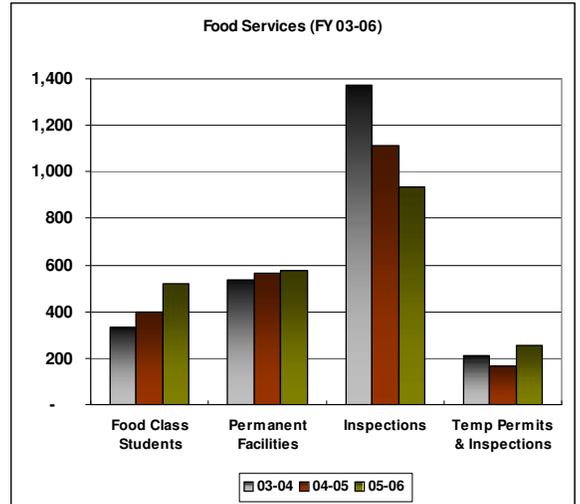
# ENVIRONMENTAL HEALTH

Calhoun County Public Health Department Environmental Health Division addresses public health and environmental issues including food service, waste disposal, water quality, plus public pool and child care facility inspections.

	03-04	04-05	05-06
<b>Food Services</b>	<b>8,120</b>	<b>7,571</b>	<b>7,775</b>
<b>Food Classes</b>	<b>34</b>	<b>58</b>	<b>46</b>
<b>New Restaurants</b>	<b>15</b>	<b>31</b>	<b>22</b>
<b>Child Care Inspections</b>	<b>354</b>	<b>309</b>	<b>116</b>
<b>Household Hazardous Waste Collections</b>	<b>4</b>	<b>4</b>	<b>4</b>
<b>Lead Assessment and Inspections</b>	<b>1,163</b>	<b>381</b>	<b>194</b>
<b>Radon Tests</b>	<b>169</b>	<b>139</b>	<b>194</b>

## FOOD

Protection of the public health through the prevention of foodborne illness is the primary goal of the food inspection program. Personnel enforce the requirements of Michigan's Food Code through inspection, education, complaints, foodborne illness investigation, and plan review. Restaurants, caterers, mobile food trailers, vending machines, and temporary food events are all regularly inspected. All new or remodeled food service facilities also undergo a plan review process, assuring compliance.



## ON-SITE SEPTIC/WASTE MANAGEMENT

CCPHD issues sewage disposal permits and evaluates land parcels for sewage disposal system suitability. All sewage disposal systems must comply with the amended Calhoun County Sanitation Code (2006). Land evaluation includes new homes and subdivisions and land division project assistance. Waste management services include: commercial septic systems, household hazardous waste, loan evaluation, new sewage disposal permits, private home septic systems, replacement sewage disposal permits, sewage complaints, and soil evaluations.



## Water Services (03-06)

	03-04	04-05	05-06
Total Water Quality Services	5,471	4,990	5,312
Well Permits Issued	471	434	376
Abandoned Wells Plugged	102	147	156

## WATER QUALITY

Under the Calhoun County Sanitation Code and special contracts with the Michigan Department of Environmental Quality and Michigan Department of Community Health, CCPHD issues approximately 430 well permits per year, evaluates about 450 wells for real estate purposes, and investigates groundwater quality complaints. Our Type II Program addresses the water supply at locations such as restaurants, gas stations, schools, and churches. We also conduct long-term groundwater monitoring of water supplies in known groundwater contamination areas.

# COMMUNITY

## EMERGENCY PREPAREDNESS

The Emergency Preparedness program was formed as a result of the 9-11 terrorist attacks and the anthrax attacks that soon followed. The federal government allocates funds to the Centers for Disease Control and Prevention (CDC) to increase national public health preparedness and public health's ability to respond to emergency situations. State emergency preparedness activities are primarily coordinated through the Michigan Department of Community Health (MDCH) Office of Public Health Preparedness. Locally, activities are coordinated with the Calhoun County Emergency Management Task Force (including members of the Calhoun County Emergency Management and Battle Creek Office of Emergency Management) and the 5th District Medical Response Coalition (5DMRC). The 5DMRC is represented by hospitals, public health departments, medical control authorities, emergency management services, medical examiners, law enforcement, HAZMAT, and others in the following counties:



CCPHD enhances Calhoun County's ability to prepare for a public health emergency in the event of an infectious disease outbreak, terrorism act, and other public health threats and emergencies. Response plans are developed and continuously reviewed. CCPHD regularly communicates and collaborates with local and regional partner organizations ensuring the safety of Calhoun County citizens.

In FY 2005-2006, CCPHD continued updating the all-hazards plan to prepare for chemical, biological, and radiological attacks as well as natural disasters and emerging infectious diseases. Strategic National Stockpile (SNS) planning and training continued and CCPHD staff were trained in incident command to effectively collaborate with community partners in the event of an emergency.

## FETAL AND INFANT MORTALITY REVIEW

The Fetal and Infant Mortality Review (FIMR) program is a community approach to improving the health of underserved women and infants through improved access to and enhanced utilization of perinatal, prenatal, and related services. Through individual case review, FIMR examines the social, economic, cultural, health, safety, and system issues related to infant death and determines local factors upon which perinatal and prenatal health system intervention improvement can be based. As Calhoun County's infant mortality rate remains higher than the State and National average, an emphasis was placed on the Calhoun County FIMR program in 2006. FIMR reorganized by recruiting new team members and placing focus on case review.

Number of Infant Deaths: 19  
 Number of Cases Reviewed: 10  
 Number of Home Interviews: 1

	03	04	05
Calhoun <sup>1</sup>	8.2	9.8	9.6
Michigan <sup>1</sup>	8.5	7.6	7.9
U.S. <sup>2</sup>	6.7	6.6	6.8

*Rates are per 1,000 live births.*

1. 1989 - 2005 Michigan Resident Death Files and Michigan Resident Birth Files, Epidemiology Services Division, Vital Records and Health Data Development Section, Michigan Department of Community Health.  
<http://www.mdch.state.mi.us/pha/osr/Chi/Indx/frame.asp>
2. Provisional Data for 2005, National Vital Statistics Reports, Centers for Disease Control and Prevention.  
[http://www.cdc.gov/nchs/data/nvsr/nvsr54/nvsr54\\_20.pdf](http://www.cdc.gov/nchs/data/nvsr/nvsr54/nvsr54_20.pdf)

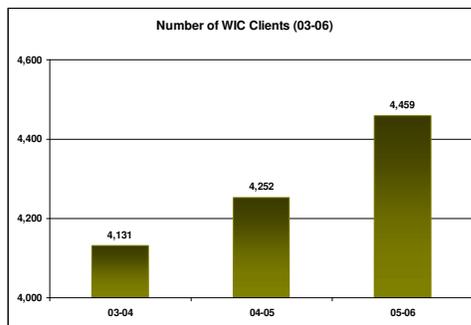
# HEALTH SERVICES

## WIC

The WIC (Women, Infants, and Children) program, funded by the U.S. Department of Agriculture (USDA) through the Michigan Department of Community Health (MDCH), has been in place in Michigan for over 30 years. The Calhoun County WIC program serves over 4,000 clients annually bringing in over \$2 million to the local economy each year.

WIC helps to correct and prevent malnutrition in low-income pregnant, postpartum, and breastfeeding women, as well as infants and children under the age of five who are at health risk due to inadequate nutrition. WIC provides supplemental food, offers professional nutrition education and counseling, promotes and supports breastfeeding, and makes referrals based on health screening and needs assessment.

In FY 2003-2004 WIC implemented the Calhoun County Breastfeeding Initiative (BFI), a partnership between WIC and Michigan State University Extension. The BFI aims to improve both the breastfeeding initiation and duration rates among WIC participants. This initiative provides for Breastfeeding Peer Counselors to assist WIC mothers with breastfeeding. As a result, the initiative's first year increased the WIC breastfeeding initiation rate by 2.5%.



In celebration of World Breastfeeding Week, the CCPHD WIC program cosponsored the first annual World Breastfeeding event in August 2005. This event promoted and provided information on the benefits of breastfeeding. The goal is to show the value of breastfeeding, raise awareness, and share ideas for making breastfeeding easier for mothers. This has become an annual event held in August each year also providing information to pregnant women and families (spouse, parents, grandparents, etc.) of breastfeeding moms.

## COMMUNICABLE DISEASE

CCPHD Communicable Disease personnel provide surveillance, epidemiological investigation, and prevention and control of communicable diseases in Calhoun County.

Personnel provide TB (tuberculosis) testing, follow-up, and medication to Calhoun County residents. In addition to providing TB testing, personnel facilitate disease surveillance by monitoring legally reportable disease reports obtained from local physicians and laboratories. Communicable Disease personnel work closely with Environmental Health personnel to monitor and report foodborne outbreaks and educate the community to prevent disease transmission, alert the public to the risk of disease, and investigate particular disease events.

	04	05	06
Foodborne	22	31	43
Hepatitis	111	188	149
Meningitis	15	35	14
Other	9	16	13
Rabies	-	-	-
Vaccine Preventable Diseases	1	27	78
Vectorborne (animal)	1	1	-

## Health Partnership

In 2004 CCPHD acquired the Health Partnership (HP) (formerly Minority Health Partnership) to address the health disparities among whites and populations of color. As part of this initiative, HP hosted the 2nd Annual Red Dress Event to heighten awareness of the dangers of heart disease to both women and men. By spreading the message - **LOVE YOUR HEART** - heart disease awareness was raised to both men and women empowering them to reduce their risk.

In 2006, the Health Partnership was transferred to the Urban League where CCPHD continues to provide assistance.

# 2005-2007

## CALHOUN COUNTY BOARD OF COMMISSIONERS

**05-06**    **06-07**

Benjamin Miller, Chairperson	Kate Segal, Chairperson
Kate Segal, Vice-Chairperson	Terris Todd, Vice-Chairperson
Jase Bolger	Betty Arnquist
Gregory Moore	Jase Bolger
Eusebio Solis	Gregory Moore
Daniel Strowbridge	Michael Rae
Terris Todd	Eusebio Solis

## CALHOUN COUNTY BOARD OF HEALTH

**05-06**    **06-07**

Larry Anderson, Chairperson	Larry Anderson, Chairperson
Jean Cook-Hughes, Vice-Chairperson	Dr. Jeffrey Mitchell, Vice-Chairperson
Byron McDonald	Kathryn Foerster
Benjamin Miller (Commissioner Rep.)	Byron McDonald
Dr. Jeffrey Mitchell	Kenneth Ponds
George Perrett	Eusebio Solis (Commissioner Rep.)
Kenneth Ponds	Richard Tsoumas

## CALHOUN COUNTY HEALTH ADMINISTRATION

**05-06**    **06-07**

Dottie-Kay Bowersox, Health Officer	Dottie-Kay Bowersox, Health Officer
Kathleen Ferguson, HCAP Director	John Eva, Finance Officer
Dr. Gregory Harrington, Medical Director	Dr. Gregory Harrington, Medical Director
Ted Havens, Environmental Health Director	Ted Havens, Environmental Health Director
Ginger Hentz,	Brigitte Reichenbaugh,
Planning and Development Director	Communications and Grant Manager
Brigitte Reichenbaugh,	Mike Waite, Senior Coordinator
Administrative Assistant	

## COMMUNITY PARTNERS

Battle Creek Community Foundation  
 Battle Creek Health System  
 Calhoun Intermediate School District  
 Michigan Department of Agriculture  
 Michigan Department of Community Health  
 Michigan Department of Community Health, Office of Public Health Preparedness  
 Michigan Department of Environmental Quality  
 Michigan Primary Care Association  
 Planned Parenthood of South Central Michigan  
 Regional Health Alliance  
 United Way of Greater Battle Creek  
 W.K. Kellogg Foundation

# CALHOUN COUNTY PUBLIC HEALTH DEPARTMENT

### Locations

Toeller Building  
 190 E. Michigan Avenue,  
 Ste A100  
 Battle Creek, MI 49014  
 Contact:  
 Administration: (269) 969-6370  
 Clinic (269) 969-6363  
 Environmental Health (269) 969-6341

Albion  
 101 N. Albion Street  
 Albion, MI 49224  
 (517) 629-9434  
 (866) 303-9436 (Outside 517)

Marshall  
 315 W. Green Street,  
 Ste. 1-600  
 Marshall, MI 49068  
 (269) 781-0909

Westend (WIC)  
 520 W. Michigan Avenue  
 Battle Creek, MI 49017  
 (269) 966-1230

[www.calhouncountymi.gov/publichealth](http://www.calhouncountymi.gov/publichealth)





*The Calhoun County Public Health Department  
works to enhance our community's total well-being by promoting healthy lifestyles,  
protecting health, and preventing disease.*

[www.calhouncountymi.gov/publichealth](http://www.calhouncountymi.gov/publichealth)