



2007 Annual Report



Prevent Disease ◆ Prolong Life ◆ Promote Public Health



JACKSON COUNTY HEALTH DEPARTMENT

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MISSION STATEMENT

The mission of the Jackson County Health Department is to continually endeavor to prevent disease, prolong life, and promote the public health.

JACKSON COUNTY COMMISSIONERS

James Shotwell, Jr. (Steve) Chair

Cliff Herl Vice-Chair

David Lutchka

Todd Brittain

Philip Duckham III

Earl Poleski

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Mike Brown, Vice-Chair

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Patricia Smith

Philip Duckham III

JACKSON COUNTY ADMINISTRATION

Randall Treacher – Acting Administrator/Controller

JACKSON COUNTY HEALTH DEPARTMENT ADMINISTRATION

Ted Westmeier, Health Officer

Dr. Donald Lawrenchuk, Medical Director

Shelly Bullinger, Deputy Health Officer

Mary Ricciardello, Clinical Services Manager

Renee' Marks, Community Health Manager

Steve Hall, Environmental Health Manager

Jim Freeman, Emergency Preparedness Coordinator

Rex Pierce, Financial Manager

Jackson County Citizens,

On behalf of the staff, I present you with the 2007 Annual Report for the Jackson County Health Department. The report highlights the programs and services we provide in order to protect and promote the health of our residents. Our programs provide direct service to thousands of individuals through the areas of personal and preventative health, health education, environmental health and emergency preparedness. However, our impact on the overall health of the community goes beyond those directly served. Our programs and services are designed and delivered in a manner to have a positive impact on the overall health status and safety of our community.

I am very pleased to announce that in the fall of 2007, Donald Lawrenchuk, M.D., joined our department as Medical Director. Dr. Lawrenchuk comes to us with over 25 years of experience in local public health. I also returned to the department in the spring and could not be more pleased and honored to be a part of this great organization and team of truly dedicated public health professionals. This became even more evident after the excellent onsite review that our programs and department received as part of the Michigan Local Public Health Accreditation Program.

Please take some time to review the report. I hope you will find it informative. If you have any questions or comments do not hesitate to contact me. I also want to thank the Board of Commissioners for their continuing support and commitment to improve the overall health status of the community.

Sincerely,



Ted Westmeier, RS, MPH
Director/Health Officer
(517) 768-1658
twestmei@co.jackson.mi.us

Jackson County Health Profile

Selected Leading Causes of Death

	Jackson County			Michigan		
	2004	2005	2006	2004	2005	2006
Disease of the Heart	243.7	251.2	242.4	249.6	252.5	243.7
Stroke	69.4	58.1	50.5	53.1	50.8	47.8
Cancer	255.6	255.0	227.9	197.8	202.0	202.9
Chronic Lower Respiratory Disease	60.6	61.9	66.3	42.7	45.0	45.0
Pneumonia and Influenza	17.7	20.8	22.7	19.7	19.7	16.8
Unintentional Injury	42.3	25.9	25.2	33.2	34.5	35.8
Diabetes Related	107.3	118.7	109.8	84.7	88.0	86.9
Homicide	1.3	5.7	3.8	6.8	6.8	7.2
Suicide	15.1	16.4	12.0	11.0	11.1	11.4

Case Rates per 100,000

Cardio Pulmonary Disease Health Indicators

	Jackson County			Michigan		
	2004	2005	2006	2004	2005	2006
Disease of the Heart	243.7	251.2	242.4	249.6	252.5	243.7
Stroke	69.4	58.1	50.5	53.1	50.8	47.8
Chronic Lower Respiratory Disease	60.6	61.9	66.3	42.7	45.0	45.0
Pneumonia and Influenza	17.7	20.8	22.7	19.7	19.7	16.8
Diabetes Related	107.3	118.7	109.8	84.7	88.0	86.9

Case rates per 100,000

Maternal/Infant Health Indicators

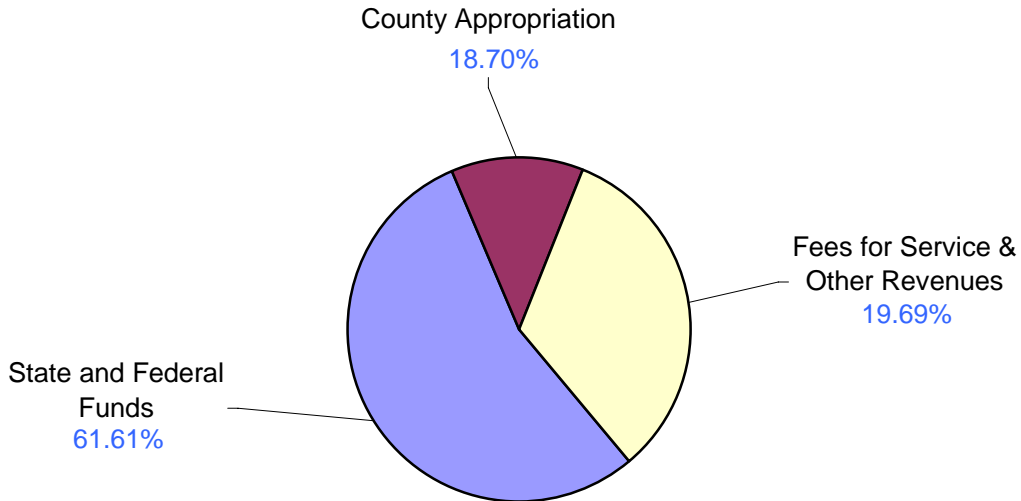
	Jackson County			Michigan		
	2004	2005	2006	2004	2005	2006
Total Live Births	2,150	2,086	2,006	129,710	127,518	127,537
Teen Births (15-19)	298	281	294	12,236	11,794	12,322
*Teen Pregnancies (15-19)	447	413	424	19,789	19,185	19,669
Low Birth Weight (↓ 2500 grams)	184	150	179	10,867	10,665	10,720
Very Low Birth Weight (↓ 1500 grams)	36	39	28	2,148	2,140	2,090
**Inadequate Prenatal Care	443	169	225	11,205	9,058	8,129
Infant Deaths	14	25	17	984	1,013	940

*Pregnancies are the sum of live births, abortions and estimated miscarriages.

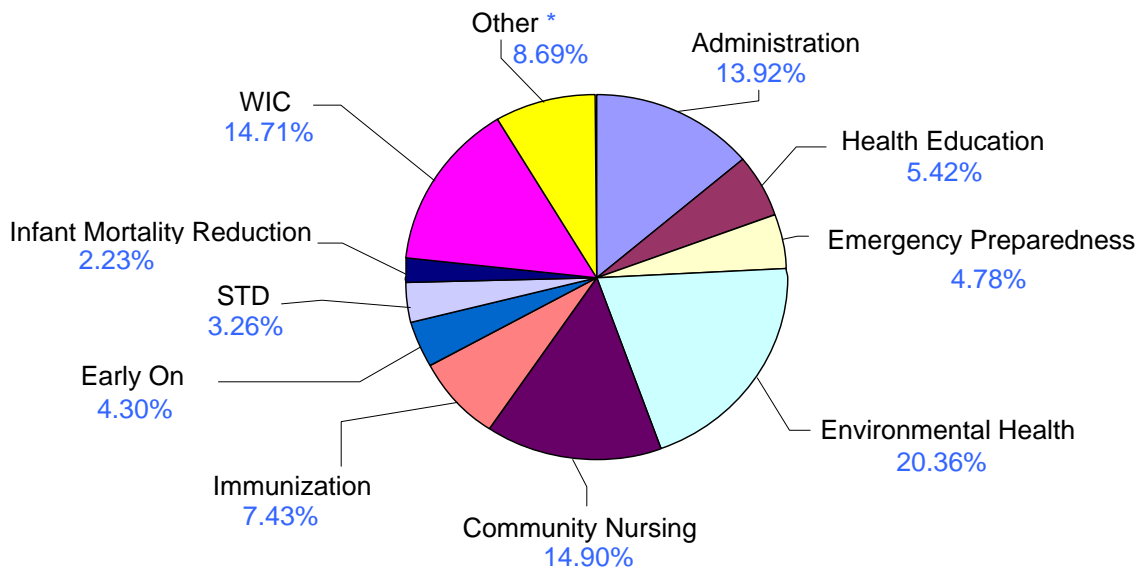
**The State's definition of prenatal care is classified by the Kessner Index. The Kessner Index is a classification of prenatal care based on the month of pregnancy in which prenatal care began, the number of prenatal visits, and the length of pregnancy (i.e., for shorter pregnancies, fewer prenatal visits constitute adequate care.)

Total Budget = \$4,258,852

REVENUES FYE 9/30/07



EXPENDITURES FYE 9/30/07



*OTHER PROGRAMS

AIDS.....	0.36%	Immunization Action Plan.....	2.04%
Car Seat Program.....	1.53%	Medicaid Outreach.....	0.42%
Children's Special Health Care Services		Teen Pregnancy Prevention.....	0.22%
Outreach & Advocacy.....	1.98%	Tobacco Reduction Coalition.....	0.35%
Hearing and Vision.....	1.79%		

Environmental Health

2007 in Review

Environmental Health by definition is: an individual state of being as influenced by changes in the environment such as a biohazard, hazardous material, pollution, working and living conditions, etc. It is the responsibility of the Environmental Health Division to ensure the relationship between the public and the environment remains a positive and healthy one and not one that leads to disease or chronic illness. We enforce rules and State regulations that are in place to protect the citizens of Jackson County from hazardous environmental conditions and ultimately, we are a resource to the community for most environmental questions and concerns. We provide these services through the following programs: Onsite Sewage and Water, Consumer and Industry Service Inspections, Groundwater Contamination Sampling and Investigations, Non-Community Water Supply, Food Service Sanitation, Household Hazardous Waste Collection, Radon/Indoor Air, Recreational Program Inspections, Subdivision/Site Condominium Reviews, Childhood Lead Poisoning Investigations, and other investigative services.

ServSafe®

In 2007, Environmental Health (EH) in conjunction with Michigan State University Extension – Jackson County, conducted four ServSafe® training courses, each lasting sixteen hours. From these four classes, sixty-nine participants successfully completed the class and have the knowledge to make their food establishment a safer place for their customers.

Basics of Food Safety Class

In 2005, the EH Division began offering a 3½ hour program designed to teach safe food handling techniques to kitchen staff. This program is not a manager certification course like the ServSafe® training. It is designed to give those currently or planning to work in a restaurant a basic level of food safety knowledge. This class is offered free of charge and was attended by over 200 people in 2007.

Methamphetamine Outreach

In conjunction with the Michigan State Police, the EH Division gave numerous presentations to the community about methamphetamine. The goal of these presentations was to educate the community about the hazards involved with methamphetamine use and production.

Environmental Health Statistics			
	FY 2005	FY 2006	FY2007
Food Service Licenses Issued	537	583	590
Restaurant Inspections	934*	983*	977*
Restaurant Plan Reviews	38	39	38
Temporary Food Licenses Issued	106	133	122
Food Service Complaints Investigated	69	76	68
MI Department of Human Services Inspections	62	75	68
Sewage Disposal Permits Issued	546	454	295
Sewage Disposal Inspections	570	458	302
Water Well Permits Issued	638	507	339
Wells Abandoned	96	146	377
Non-Community Water Supplies (Monitored Quarterly)	258	244	244
Mobile Home Park Inspections	26	NA	NA
Campground Inspections	29	27	27
Swimming Pool Inspections	63	63	62
Nuisance Complaints Investigated	100	104	82

*Includes fixed food establishments, vending, STFU's, and follow-up inspections

Clinical Health

2007 in Review

Clinical Health Services are provided in the Immunization, Sexually Transmitted Disease (STD), HIV/AIDS, Fetal Infant Mortality Review (FIMR), and the Communicable Disease (CD) Programs. Immunizations are administered for childhood and adult vaccine preventable diseases on a walk-in basis. Vaccines and educational materials are delivered to twenty-one local physician practices and Foote Hospital through the Vaccine for Children (VFC) Program. School Immunization reports are submitted to the state bi-annually, per state law, by the Community Immunization Education Specialist via the Immunization Action Plan. HIV counseling and testing is offered through the Sexually Transmitted Disease Clinic by appointment. The HIV/AIDS and STD Programs focus on education, counseling, testing, diagnosis, treatment, and follow-up of newly diagnosed HIV and/or other sexually transmitted infections.

Communicable Disease

- The Michigan Department of Community Health (MDCH) reported the highest total of positive bats for rabies in 50 years in 2007. Jackson County has also experienced an increase from zero in 2006 to seven in 2007. The number of animals sent for testing to the state lab also increased greatly.

Fetal and Infant Mortality Review (FIMR)

- Jackson County FIMR Case Review Team held 11 meetings and reviewed 16 out of 17 infant deaths.
- Provided 7 Safe Infant Sleep presentations to the community
- Distributed 35 cribs to parents in need
- Distributed 800 prenatal packets to pregnant women applying for Medicaid Health Insurance
- Provided smoking cessation services to 64 pregnant women through the Prenatal Smoking Cessation Program

HIV/AIDS Program

- JCHD participated in the National HIV Test Day June 27, 2007. HIV testing and counseling, normally done by appointment only, was offered on a walk-in basis for the entire week encompassing National Test Day. Public service announcements, print, and radio advertising were distributed.
- The percentage of high risk clients tested for HIV increased from 36% in 2006 to 51% in 2007.
- JCHD has maintained a “return for results rate” of 86% of clients in 2006 and 2007.

Immunization Program

- Flu clinics were changed to an “appointment only” basis in November 2006. This was done initially due to the uncertainty in delivery of flu vaccine from manufacturers. We have continued this practice for the 2007/2008 flu season. Staffing is easier to plan and clients have experienced minimal wait times, although demand for vaccine has been down in 2007 to date.
- Gardasil, the Human Papillomavirus Vaccine, became available through the Vaccine for Children (VFC) Program in January of 2007.
- The Michigan Care Improvement Registry (MCIR) rolled out the MCIR/Lead Interface in January 2007. Any provider using the MCIR now has access to blood lead level histories on any child that has had blood lead levels drawn.
- JCHD had an 82% county-wide immunization level for 19 to 36 month old children

Clinical Health

Sexually Transmitted Disease (STD)

- STD clinic staff consults with local providers on treatment information and provides them with current STD treatment guidelines and updates.
- All Gonorrhea (GC) and Chlamydia (CT) cases identified in Jackson County are investigated and submitted to the MDCH via the Michigan Disease Surveillance System (MDSS).
- The charges for combined GC and CT testing were increased from \$13.50 to \$36.00 effective May 1, 2007. This was in response to an increase in fees from the state lab. Clients meeting certain criteria for testing are not charged a fee. These criteria are outlined by the state.

Immunization Clinic			
	FY 2005	FY 2006	FY2007
Total Immunizations Given*	12,586	7,859	7,645
Flu Vaccine Given	6,993	3,863	2,827
* Total immunizations include flu vaccine			

Sexually Transmitted Disease Clinic (STD)			
	FY 2005	FY 2006	FY2007
Patients Examined	1,486	1,380	1,228

Jackson County Sexually Transmitted Disease Rates (per 100,000 population)			
	FY 2005	FY 2006	FY2007
Gonorrhea	251.00	215.00	221.00
Syphilis (Early Latent)	1.30	.63	.63
Chlamydia	420.00	399.00	359.00
**Statistics per the Michigan Disease Surveillance System (MDSS)			

Tuberculosis Clinic			
	FY 2005	FY 2006	FY2007
Newly Diagnosed TB	1	2	1
PPD Tests Administered	835	878	795

HIV/AIDS			
	FY 2005	FY 2006	FY2007
HIV/AIDS Testing & Counseling Clients	224	196	179
HIV/AIDS New Cases (JCHD tested)	6	6	1
HIV Prevalence Rate (per 100,000 population)	101.0	94.7	68.0

Rabies			
	FY 2005	FY 2006	FY2007
Animals Tested	38	49	71
Animals Positive	2 (bats)	0	7 (bats)

Community Health

2007 in Review

The goal of the Maternal Infant Health Program, Children's Special Health Care Service, Hearing and Vision Screening, Early On, Sudden Infant Death Syndrome, Lead Teaching, and Women, Infants, and Children (WIC) is to reduce morbidity and mortality through needs assessment, plan of care, counseling and referrals. WIC is a supplemental food program, that provides nutritional support and education for income eligible pregnant and postpartum women, infants, and children, under the age of five.

Children's Special Health Care Services

Transportation needs have increased due to a change in Department of Human Service policy and the increase of gasoline prices. Financial assessments are now required on all families that have adopted a child with a pre-existing condition.

Early On

Jackson County Health Department's Early On program is one of only 15 counties in Michigan that was determined 100% in compliance. The Early On program was awarded a grant for \$4,800 for the Happiest Baby on the Block, a nationally recognized program. Early On has trained five professionals to teach this program to new and expecting parents. Six professionals were trained to administer Infant-Toddler Developmental Assessments (IDA's).

Lead Outreach Program

In October 2007, the Jackson County Health Department contracted with the City of Jackson Lead Grant Project to provide outreach and education to homeowners and tenants with children under the age of six. The program involves assisting clients who meet eligibility requirements in completing applications for free home assessments to determine lead exposure in the home for children six and under. Outreach and education activities include mass mailings to clients and day care providers, displays, information dissemination, physician office visits and presentations to target groups.

Maternal Infant Health Program (MIHP)

Maternal risk screens are completed on all new mothers. 30 Playards (portable cribs) were given to high risk mothers.

Women Infant Children (WIC) Program

New changes in WIC infant formula: Mead Johnson products are now offered in place of Ross products. WIC advocates breastfeeding as the optimal infant feeding choice, unless medically contraindicated. If an infant is formula-fed, WIC provides iron-fortified formula on a supplemental basis.

Blood lead screening is offered in the WIC Clinic to children at 12 months and 30 months, or to those identified as high risk.

State and National WIC representatives have visited our WIC Clinic to observe the Electronic Benefits Transfer (EBT) pilot on various occasions. Development of a new web-based data system, MI-WIC, became top priority for the State of Michigan with implementation planned for spring of 2008.

Community Health

Maternal Support Services Program

	FY 2005	FY 2006	FY 2007
Clients	291	293	239

Infant Support Services Program

	FY 2005	FY 2006	FY 2007
Clients	191	162	167

Children's Special Health Care Services

	FY 2005	FY 2006	FY 2007
Families Enrolled	680	710	712

WIC

	FY 2005	FY 2006	FY 2007
Participants Enrolled	5,243	5,082	5,272
Average Monthly Participation	4,346	4,107	4,342

Lead

	FY 2005	FY 2006	FY 2007
Nurse Visits	26	24	19

Early On Statistics

	FY 2005	FY 2006	FY 2007
Children Enrolled	179	206	297

Hearing Screening

	FY 2005	FY 2006	FY 2007
Children Screened	6,676	3,021	6,655

Vision Screening

	FY 2005	FY 2006	FY 2007
Children Screened	8,735	6,497	8,309

Bereavement Support for Perinatal Deaths

	FY 2005	FY 2006	FY 2007
Clients served	13	8	7
Nurse visits	19	12	19

Health Education

2007 in Review

The Health Education Division encompasses a variety of preventive services and programs to enable individuals, groups, organizations, and communities to play active roles in achieving, protecting, and sustaining healthy lifestyles. This is accomplished through the activities of assessment, program planning, implementation, evaluation, advocacy, community organization, and promotion. Staff is actively involved in community coalition and partnerships to achieve program goals.

Car Seat Program

The Car Seat Program (CSP) provides low-cost, brand-new car seats, short-term rental car seats and car seat safety education to families and agencies in Jackson County. The program is funded by United Way of Jackson County, Jackson Traffic Safety Program, Jackson County and the Jackson County Health Department. A hands-on demonstration of how to properly secure your child in the car seat and how to correctly install the car seat in the vehicle is given with every car seat provided and every car seat inspection.

Jackson County Abstinence Partnership (JCAP)

- JCAP provided sixteen hours of classroom education to 1,275+ fourth, fifth and sixth grade students in 55 classrooms in Jackson Public Schools (JPS).
- The program included character development, service learning, puberty education and abstinence education.
- Additional opportunities were provided to youth through summer programming provided by a special grant received from the Michigan Public Health Institute.
- JCAP continued to co-chair the Jackson Youth Partnership (JYP), a broad based, collaborative, youth focused coalition.
- The five year MDCH grant ended during 2007, however, the JPS district secured funding to contract with JCHD to continue providing puberty education for the fourth, fifth, and sixth grades.

2007 Kids' Fest

- Two day annual interactive learning health fair collaborating with American 1 Federal Credit Union, held Friday, June 15 and Saturday, June 16
- Numerous local community agencies, businesses and volunteers participate in this very successful event
- Over 4,000 guests who attended received education regarding health and safety issues

Promoting Abstinence for Teen Health (PATH) Program

- Completed its third year of programming
- Five session, abstinence-only program for middle school students
- Ten Jackson County middle schools participated
- Three Jackson County high schools participated in one day follow-up sessions
- Evaluation data from the program indicates increase in student knowledge and favorable response to the program

Health Education

Jackson Tobacco Reduction Coalition

During FY 2006, the Jackson Tobacco Reduction Coalition (JTRC) focused on identifying smoke-free housing options and educating owners / managers on the benefits of smoke free housing in Jackson County. A survey and educational materials were distributed to approximately 75 multi-housing units or management agencies based on their listing in the telephone book. Advertisements were placed in the Jackson Citizen Patriot to recognize smoke-free housing units identified through the survey. As a result of the ads, three single family dwellings and a management agency who listed smoke-free housing were identified. Ganton Retirement Centers and Countryside Retirement Centers were identified as the only multi-housing complex that provided smoke-free facilities.

The JTRC continues to work with and encourage restaurants to provide smoke-free dining. A total of 150 smoke-free restaurants have been identified in Jackson County, an increase from the previous listing of 137.

Senior Center Health Promotion

The Senior Health Promotion Program (SHPP) is a collaborative effort between the Jackson County Health Department (JCHD) and the Jackson County Department on Aging (JCDOA). A Health Educator from the JCHD is contracted to the JCDOA to serve as their Health Promotion Specialist, 16 hours per week. The program provides exercise classes to adults, aged 60 and over, with varying degrees of physical and/or mental abilities. The 12-week classes include low-impact aerobics, chair exercises, line dancing lessons, strengthening, balance ball, as well as beginning and advanced Tai Chi classes. Programs are provided at four of the JCDOA's Senior Nutrition Sites – Crouch, Park Forest, Spring Arbor and the Word of Light sites. Programs or exercise classes are changed or modified as needs of participants change. Also, programs change based on the requirements of the Region II Area Agency on Aging. The chair exercise class has evolved into a Low-Impact Aerobics/Strengthening Class which is a combination of the Strengthening and Aerobics class. The Walking program is primarily self-led and no longer monitored. Site Coordinators now seek presenters from the community at large offering a wider diversity of information.

Teen Pregnancy Prevention Initiative

The Jackson County Health Department continues to coordinate the Teen Pregnancy Prevention Initiative, funded by the United Way of Jackson County. As a result of completing a strategic planning process, three goals have been identified by an advisory committee. The goals are: implementation of the Carrera program, parent and community education, and advocacy.

Health Education

General Health Education			
	FY 2005	FY 2006	FY 2007
Kids' Day Participants	4,000	2,200	4,000

Jackson County Abstinence Partnership			
	FY 2005	FY 2006	FY 2007
Youth Served	1,303	1,433	1,226
Schools Receiving Curriculum	5	6	6

Jackson Tobacco Reduction Coalition			
	FY 2005	FY 2006	FY 2007
People Reached	1,969	1,908	663
Quit Kits Distributed	212	1,576*	208

*MDCH offered Nicotine Replacement Therapy in 2006 for qualified participants.

Medicaid / MICHild Health Insurance			
	FY 2005	FY 2006	FY 2007
Number of Children (0-18) Enrolled on Medicaid	14,909 (35.4%)	15,109 (35.8%)	NA
Number of Children (0-19) Enrolled on MICHild	589 (1.4%)	618 (1.5%)	NA

Car Seat Program			
	FY 2005	FY 2006	FY 2007
Car Seats (sold/donated/rented)	405	447	402
Car Seat Checks / Education Sessions	493	500	528

Teen Pregnancy Prevention (PATH) Program			
	FY 2005	FY 2006	FY 2007
Teens Served	1,141	1,634	1,780
Schools Receiving Curriculum	9	13	13

Jackson Health Plan			
	FY 2005	FY 2006	FY 2007
Number Enrolled on Plan B	257	783	854
Individuals Enrolled on the Prescription Plan	3,648	873	3,882

Senior Center Health Promotion Program Participants			
	FY 2005	FY 2006	FY 2007
12 week physical activity program (Not offered in 2007)	21	29	NA
Health topic presentations (Format changed 2007)	886	822	245
Senior Fitness Test (Not offered in 2007)	43	53	NA
Chair Exercise Class (Format changed 2007)	397	313	NA
Strengthening Class (Combined with Aerobics in 2007)	169	558	NA
Aerobics/Strengthening Class (New in April 2007)	NA	250	614
Balance Ball Class (New in April 2007)	NA	NA	126
Line Dancing Lessons (New in April 2007)	NA	NA	218
Tai Chi Class	NA	725	676

Emergency Preparedness

2007 in Review

Emergency Preparedness (EP) fully supports and strives to enhance the mission of the Jackson County Health Department. The mission is supported by ensuring emergency plans are current and practiced through orientations, drills, and exercises. The goal is to provide rapid and efficient response to public health threats.

Drills and Exercises

Essential Personnel Full Scale Exercise
Pandemic Flu Mass Vaccination Clinic
Pandemic Flu Focused School Closing Tabletop Exercise
Pandemic Flu Focused Isolation and Quarantine Tabletop Exercise
Pandemic Flu Focused Recovery Tabletop Exercise
Observer/Evaluator – Full Scale Bomb Threat Exercise
Bomb Threat Tabletop Exercise
State Sponsored PIO (Public Information Officer) Exercise
SNS (Strategic National Stockpile-Medical Supplies) Orientations and Drills
SNS Distribution Node Training
Acute Care Center Full Scale Exercise
Public Health Incident Command Structure

Presentations and Events for Community Partners

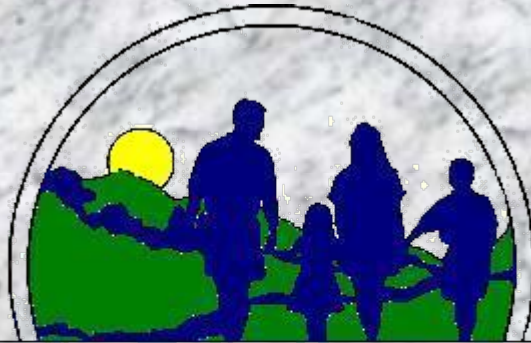
Participated in Pandemic Flu Tabletop Exercise with Major Community Partner
Developed the Framework for a Community Pandemic Plan
Business Pandemic Planning
Presented Public Health Emergency Preparedness to UM/MSU Students
JTV Emergency Preparedness Interview
Emergency Patient Tracking System Training for Community Partners
Marriage Matters – Emergency Preparedness
Community Minded Service Club – Emergency Preparedness

Specialized Committee Participation

Local Emergency Preparedness Committee
District 1 Regional Medical Response Coalition
Region 1 Homeland Security Board
Region 1 Homeland Security Training Committee
Foote Hospital Emergency Management Committee

Specialized Training for EPC and/or JCHD Staff

Mercury Exposure Prevention at a County School
WMD/CBRNE Training
Incident Command for Expanding Incidents
Advanced Incident Command and General Staff-Complex Incidents



**Jackson County
Health Department**

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