



FISCAL YEAR 2007 ANNUAL REPORT

October 1, 2006 – September 30, 2007

www.lmasdhd.org

LETTER FROM THE DIRECTOR

January 2008

LMAS District Board of Health Members:

I am pleased to present you with the Luce – Mackinac – Alger – Schoolcraft (LMAS) District Health Department's 2007 Annual Report.

You will find an overview of the activities, highlights and accomplishments for the year, as well as the department's fiscal condition at Sept. 30, 2007.

The accomplishments of the health department staff are not possible without the support of you, the members of the Board of Health, and members of the community. I thank you for your support for health department activities this past year.

This is my last annual report transmittal letter as the department Health Officer/Medical Director. I offer thanks to you, members of the LMAS District Board of Health, your predecessors, to current and former staff members, and to all who have contributed to the health department efforts to reduce the amount of preventable illness in our communities. I have been honored to work with and for you.

I refer you to the additional information in the following report. Please feel free to contact members of administration for any questions you may have.

Sincerely,

A handwritten signature in black ink that reads "James Terrian, MD". The signature is written in a cursive style with a large, sweeping initial "J".

James Terrian, MD
Health Officer/Medical Director



MISSION STATEMENT

To contribute to the present and future health of persons residing, visiting, or working in the Counties of Luce, Mackinac, Alger, and Schoolcraft, by direct provision of services; by facilitating the delivery of services provided by others; and by monitoring and regulating activities that may have an impact on the health of these communities. Emphasis is placed on:

- A. Education and information, by which individuals can make informed decisions on how to maintain or improve health through their own initiatives;
- B. The maintenance or creation of environmental conditions conducive to health;
- C. Prevention of disease for persons at risk or potentially at risk;
- D. The early detection, treatment, and rehabilitation of those afflicted;
- E. Providing high-quality home care services as an accredited home health agency; and affirming the concept of palliative care by providing pain relief and addressing the dimensions of physical, social, psychological and spiritual care.

2007 LMAS DISTRICT BOARD OF HEALTH

Nancy Morrison, Luce County, *Chair*
Rita Lemanek, Luce County

Calvin McPhee, Mackinac County
Dawn Nelson, Mackinac County

Edward Lindstrom, Alger County
Esley Mattson, Alger County, *Vice- Chair*

Margaret Arnold, Schoolcraft County
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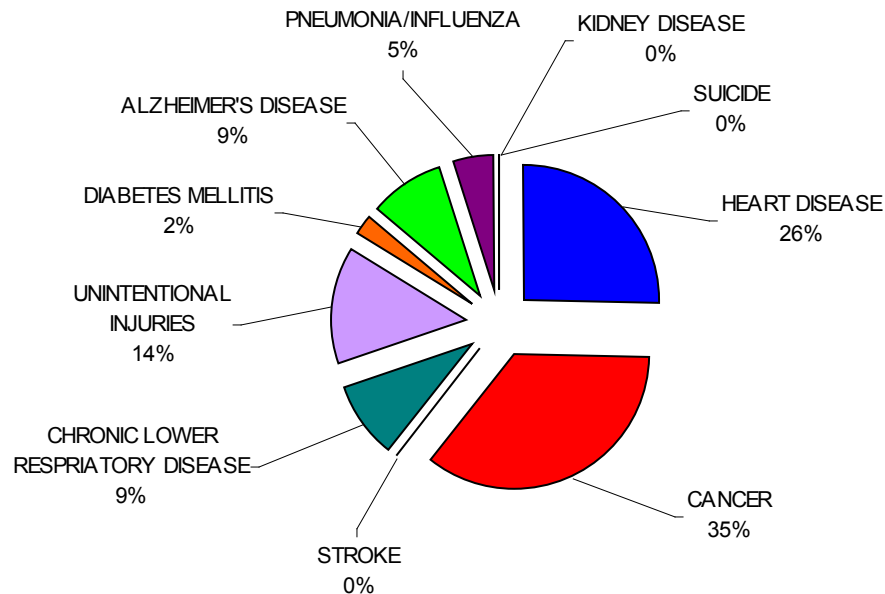
2007 LMAS DISTRICT HEALTH DEPARTMENT ADMINISTRATION

James C. Terrian, MD
Marvin Henderson, CPA
Heidi Gibbons, CACII
Denise Danaher, BSN, RNC, WHNP
Melissa Copenhaver, BSN, LLSW
Nicholas Derusha
James Terrian, MD
Lisa Kleeman
Stan Bontrager

Health Officer/Medical Director
Administrator/Deputy Health Officer
Director, Community Health Services
Co-Director, Personal & Family Health Services
Co-Director, Personal & Family Health Services
Manager, Environmental Health Services
Director, Home Health & Hospice Services
Support Services Manager
Information Technology

LEADING CAUSES OF DEATH

LEADING CAUSES OF DEATH, 2006
Luce - Mackinac - Alger - Schoolcraft Counties and Michigan Totals



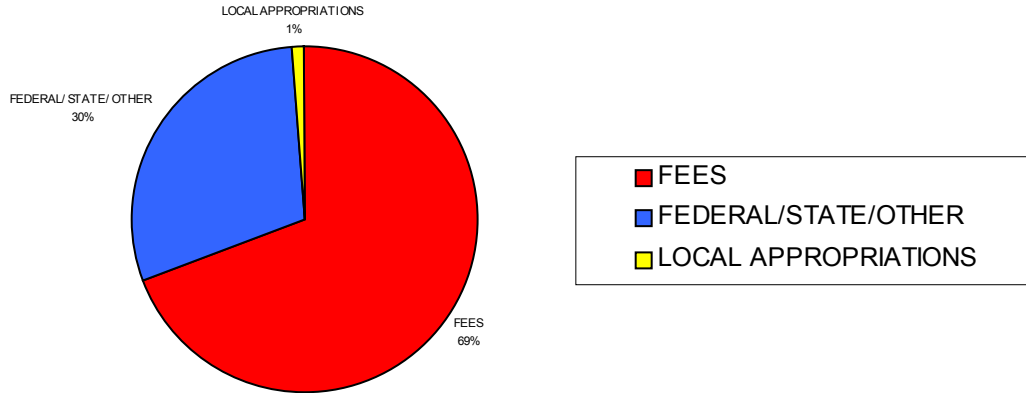
Rank MI	Cause of Death	Rank for District	Number of Deaths			Rate of Deaths		
			District	MI	U.S.	District	MI	U.S.
1	Heart Disease	1	111	24,223	652,486	307.1	239.9	222.2
2	Cancer	2	111	20,166	553,888	307.1	199.7	188.6
3	Stroke	6	22	4,746	150,074	60.9	47.0	51.1
4	Chronic Lower Respiratory Diseases	4	27	4,471	121,987	74.7	44.3	41.5
5	Unintentional Injuries	3	28	3,557	112,012	77.5	35.2	38.1
6	Diabetes Mellitus	8	14	2,823	73,138	38.7	28.0	24.9
7	Alzheimer's Disease	5	23	2,331	65,965	63.6	23.1	22.5
8	Pneumonia/Influenza	7	15	1,673	59,664	41.5	16.6	22.5
9	Kidney Disease	10	3	1,594	42,480	*	15.8	14.5
10	Intentional Self-Harm (Suicide)	9	7	1,132	32,439	19.4	11.2	11.0
SUB TOTAL			361	66,716	1,861,612	998.8	660.8	633.9
All Other Causes			78	19,229	536,753	215.8	190.5	182.8
TOTAL			439	85,945	2,398,365	1,214.6	851.3	816.9

Rates are per 100,000 population. Asterisk (*) indicates that data do not meet standards of reliability or precision. Care should be taken in drawing inferences from rates based on small numbers of events or small population base. These rates tend to exhibit considerable variation, which may negate their usefulness for comparative purposes. Data displayed are by the underlying cause of death, which is the condition giving rise to the chain of events leading to death. Causes of death are classified in accordance with the Tenth Revision of the International Classifications of Diseases (ICD-10), a coding structure developed by the World Health Organization. This revision has been used to classify deaths occurring on or after January 1, 1999. The [ICD-10 codes are grouped into broader categories](#) for the causes listed in this table in order to classify these selected causes of death (e.g., ICD-10 codes C00-C97 are used to indicate deaths due to cancer).

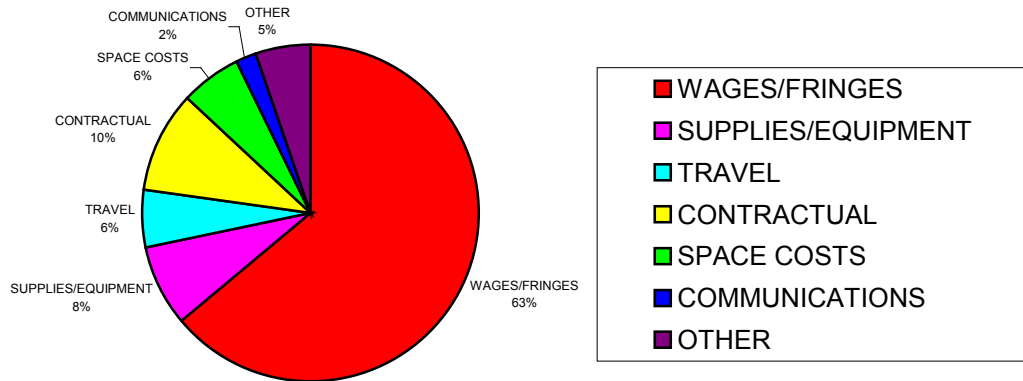
2006 Michigan Resident Death File, Vital Records & Health Data Development Section, Michigan Department of Community Health; Population Estimate (latest update 9/2007), National Center for Health Statistics, [U.S. Census Populations With Bridged Race Categories](#); National Center For Health Statistics, [Deaths: Preliminary Data for 2004](#)

FINANCIAL STATISTICS

2007 REVENUE



2007 EXPENSES



COMMUNITY HEALTH SERVICES

PROFILE

The mission of the LMAS District Health Department Community Health Division is to assist individuals including adolescent, adult and senior citizen persons to understand the issues surrounding substance abuse. LMAS staff will provide treatment services that allow the individual to decrease the adverse effects alcohol and /or other drugs causes on the individual, family and community members. On a functional level, our mission is defined by a variety of activities in three areas: Prevention, Intervention and Treatment. Addiction services include substance abuse assessments, individual and group counseling/educational sessions and efforts to increase public awareness on the issues surrounding substance abuse. The Community Health Division is also made up of Prevention Services, Tobacco Education Programs, and youth workgroups that focus on underage drinking issues, as well as tobacco and other drugs and Michigan Department of Corrections (MDOC) Phase II Substance Abuse prison-based educational groups.

HIGHLIGHTS OF 2007

In 2007, The Community Health Division received a \$30,000 grant through Blue Cross/Blue Shield of Michigan, which allows our staff to work closely with students to prevent the use of tobacco. The grant allowed funding to form youth groups, entitled "Teens Against Tobacco Use" (TATU) that will work on tobacco advocacy projects for both Luce and Schoolcraft Counties. One of the TATU Students submitted her design for the Blue Cross/Blue Shield grant-naming contest, and her entry won. As a result she has received recognition through the media and also by having her design printed on the t-shirts that will be used for this grant.

The Community Health Division also received a grant for \$142,500 to work with the Michigan Prisoner Re-entry Initiative in Chippewa, Luce and Mackinac Counties. This grant will focus on assisting parolees returning to these areas to receive the needed resources for the to succeed outside of prison. The grant required a transition specialist to coordinate resources for the parolees, and LMAS was able to hire a current LMAS employee for this position.

The Community Health Division was nominated to conduct a Town Hall meeting in Luce, Mackinac and Schoolcraft counties in the spring of 2008. Our division will receive \$1500 to coordinate these meetings, which will focus on the issue of Underage Drinking Prevention.

COMMUNITY HEALTH SERVICES

HIGHLIGHTS OF 2007

The Community Health Division received additional funding to work with existing coalitions, such as MCRUD and HSCB within the four counties, to strengthen partnerships and identify the issues surrounding alcohol-related car crashes and underage drinking. The funding was provided through the State Incentive Grant/ State Planning Framework. This opportunity allowed us to gain valuable information from Pathways consultants as well as other outside resource staff. This information will be used in combination with other resource material to identify the key items to be addressed during the upcoming town hall meetings.

Our prevention staff continues to work with the Smoke-Free Regulation awareness campaign in Luce County and to provide support and enforcement for the regulation in Mackinac, Alger and Schoolcraft Counties.

The Community Health treatment division was able to add a group service, entitled "Living In Balance." This group has been offered to current treatment clients, clients who are getting ready to complete the counseling as a form of aftercare support and to clients who may benefit from just a group service.

The Michigan Department of Corrections (MDOC) Phase II Substance Abuse groups were facilitated in four correctional facilities through September 30, 2007. The groups provide information to inmates on how their substance abuse addictions have and will continue to affect all areas of their lives and the lives of their families if they do not make positive changes. The group sessions then allow the inmates to gain the information needed to make these changes. The group focuses heavily on problem solving and ways to handle life stressors rather than drinking or using. This concept is introduced through in class role-play, out of class homework assignments and the development of an individualized treatment and Recidivism Prevention Plan.

In summary, 2007 has provided several new opportunities to work with community partners and clients. We were thankful to be able to work with our clients and community partners so closely and to expand upon the mission of our agency. Our staff looks forward to another year of providing services to our communities.

COMMUNITY HEALTH SERVICES

MICHIGAN DEPARTMENT OF CORRECTIONS

SERVICES	FY 2007	FY 2006	FY 2005
Intakes	197	721	1980
Groups	437	951	1134
Clients served	3,037	923	1143

COUNSELING OUTPATIENT SERVICES

Service	FY 2007
	Luce, Mackinac, Alger and Schoolcraft Counties
Group Education	163
Intakes	180
Individual sessions	1,680
Driver's License Assessment	16

COUNTY	2006	2006	2005	2005
	Clients Served	Services Provided	Clients Served	Services Provided
Luce	79	453	124	562
Mackinac	84	663	132	439
Alger	90	398	124	424
Schoolcraft	172	986	187	858

COMMUNITY HEALTH SERVICES

PREVENTION ACTIVITIES

The LMAS District Health Department was able to provide a variety of services in all four of the counties that promoted prevention awareness relating to drugs, alcohol and tobacco. These services included the following programs:

Protecting You/Protecting Me	This program is designed for students in grades 1-5. It focuses on the effects of alcohol on the developing brain during the first 21 years of life. The program helps to reach children before they have fully shaped their attitudes and opinions about alcohol use by youth and their role in preventing it.
Hazards of Tobacco (H.O.T.)	A tobacco education program for grades 6-8.
Tar Wars	Geared towards 4 th and 5 th grade students and provides Tobacco Education.
Tobacco Blues	A two-week tobacco education program provided to students under age 18 years, who have been caught using or possessing tobacco products.
Prime for Life	This program was provided in Luce, Mackinac, Alger and Schoolcraft alternative education classrooms in 2007 and focused on reducing high-risk behaviors through decision-making relating to drugs and alcohol.

Other activities included:

- Health fairs
- Civic group presentations on various topics relating to drug and alcohol education, as well as the tobacco regulation
- Coalition development and maintenance, such as the Prescription Drug Abuse Prevention workgroup, Michigan Coalition to Reduce Underage Drinking (MCRUD) and Yellow Ribbon meeting, which focuses on Suicide Prevention.
- The students in Alger and Schoolcraft Counties have also been actively involved in the ACTION Troupe, which focuses on teen leadership and skill development.
- The MCRUD youth planned and raised enough money to provide a speaker presentation to the high school students of Manistique Area School. The speaker, Matt Glowaki was born without any legs. He talked to the students about overcoming life's challenges and making positive life choices. The presentation was well received and the outcomes identified that students learned important information about making positive life choices and staying away from alcohol and drugs.

In closing, LMAS Prevention staff have assisted community partners with health fairs, radio advertisements, newspaper articles and school referral programs to bring awareness to the issues surrounding substance abuse.

ENVIRONMENTAL HEALTH SERVICES

Profile

The Environmental Health Division is responsible for ensuring that the highest standard of public health is achieved within this department's four county jurisdiction. This high standard of public health is attained by managing a variety of different program areas throughout the district, including: onsite water supply, onsite sewage treatment and disposal, food service (both fixed and temporary), soil erosion and sedimentation control (Mackinac County only), swimming pools, campgrounds, great lakes beach monitoring, complaint investigation, existing facility inspections, Department of Health and Human Services environmental health inspections, and radon.

2007 Review

The 2007 fiscal year was filled with many highlights including: Cycle 3 Accreditation of the Food Service Program, Cycle 3 Accreditation of the Onsite Sewage Program, and the Approval of the Private/Type III Water Supply Program. The Food Service Program was reviewed by the Michigan Department of Agriculture and out of the 20 Minimum Program Requirements (MPR) we received 17 "Met", 2 "Met with Conditions" and 1 "Not Met". The Michigan Department of Environmental Quality (MDEQ) completed the review of the Onsite Sewage Program and determined that all MPR were "Met" with the exception of 1 "Met with Conditions". The MDEQ also completed the annual review of the Private/Type III Water Supply Program and determined the program was "approved". Departmental personnel continued to work hard throughout the year to maintain and improve on the standards achieved in 2006. Turnover of clerical staff has provided difficulties in the Schoolcraft and Alger offices, but has been resolved with the addition and training of new employees. Field staff continues to use the Sword Solutions software purchased in 2004, and staff members have been pleased with the time saving benefits of the program. The department has begun using the Corel Drawing program for both the Private/Type III Water Supply and the Onsite Sewage Disposal programs, and staff is pleased with the amount of time saved for final inspection drawings and the ability to share documents electronically.



ENVIRONMENTAL HEALTH SERVICES

FOOD SERVICE

The Food Service Program includes the inspection of fixed food establishments (restaurants, township halls, etc...), mobile food establishments, special transitory food units, temporary food events, complaint investigation, and food borne illness investigation. The Michigan Department of Agriculture (MDA) conducted our Cycle III Accreditation review the 1st week of June. MDA determined that out of the 20 minimum program requirements (MPR) reviewed we only had one indicator that was not met. The deficiency has been corrected and our department is again accredited. During our accreditation review MDA also looked at 5 important factors. The important factors did not affect departmental accreditation but were considered significant aspects of the program, above and beyond the MPR, and LMAS met 3 out of the 5 important factors. Field staff have been using the Sword Solutions software while conducting food service inspections. The Sword Solutions software is an effective tool for conducting food service inspections because it saves time, and assists in making sure all reports issued out of the four county offices are consistent.

Services	FY 2007	FY 2006	FY 2005
Total Inspections	725	716	720
Fixed Food Inspections	537	590	575
Temporary Food Inspections	180	129	145

WATER SUPPLY PROGRAM

The water supply program includes onsite water supply wells for both residential and public water supplies. The public water supply program is divided into Type I, Type II, and Type III wells. Type I public water supplies are municipal systems and are regulated by the Michigan Department of Environmental Quality (MDEQ). LMAS maintains jurisdiction over Type II and Type III water supplies as well as residential water supplies. The Type II or III designation is dependent on the number of people served. There are 395 Type II wells within the district. All 395 of these wells are monitored to ensure that the owner/operator is meeting water-sampling obligations, and a sanitary survey (physical inspection of the well and surroundings) of each well needs to be completed once every 5 years to verify maintenance, isolation, and plumbing systems are satisfactory. All of the water supply programs are on an annual review cycle. All three programs (residential, Type II, and Type III) were reviewed and approved by the MDEQ in 2007.

Services	FY 2007	FY 2006	FY 2005
Well Permits	268	302	321
Site Evaluations	259	290	326
Type II Sanitary Surveys	78	73	99
Water Supply Enforcement Actions	18	26	17

ENVIRONMENTAL HEALTH SERVICES

SEWAGE PROGRAM

The sewage program is comprised of permitting, inspecting, and enforcement for onsite sewage treatment and disposal systems for both residential and commercial uses. As previously mentioned, MDEQ reviewed our onsite sewage program and determined all indicators were met with the exception of 1 met with conditions. While working hard to achieve the standard of work required for the cycle III accreditation, this department conducted the following work with the program.

Services	FY 2007	FY 2006	FY 2005
Sewage System Site Evaluations	312	338	411
Sewage System Permits	284	327	357
Sewage System Final Inspections	265	244	375

SOIL EROSION AND SEDIMENTATION CONTROL (SESC) PROGRAM

The SESC Program is administered by LMAS in Mackinac County. Administering the program includes application processing, site inspections, permitting, complaint investigations and enforcement. Sites that require SESC permits include earth changes within 500 ft. of a lake or stream or earth changes that are over 1 acre in size. Sand and Gravel pits also require SESC permits. Upon review of the program in 2006 MDEQ determined that the program was "Approved". MDEQ was very pleased with the progress that LMAS has made since they began reviewing the program in 2004. The approval given by MDEQ is a 5-year approval so the program will not be up for another review until 2011.

SESC Services	FY 2007	FY 2006	FY 2005
Initial Site Evaluations	53	56	38
Permits Issued	63	66	54
Construction Inspections	201	158	16
Final Inspections	8	21	11

PUBLIC SWIMMING POOL PROGRAM

LMAS is also responsible for maintaining a public swimming pool program throughout the district. The swimming pool program consists of monitoring all licensed public swimming pools (the term pool includes both swimming and spa pools) within our jurisdiction to ensure compliance with MDEQ public swimming pool rules. In the 2007 Fiscal year LMAS field staff conducted 62 public swimming pool and 58 spa pool inspections within our four county service area.

Public Swimming Pool Services	FY 2007	FY 2006	FY 2005
Public Swimming Pool Inspections	62	65	67
Public Spa Pool Inspections	58	*	*
Follow-up Inspections	24	*	*

* No information reported

ENVIRONMENTAL HEALTH SERVICES

COMPLAINT INVESTIGATION

LMAS investigates complaints from the public for all of the programs that we administer.

Complaint Investigation Type Services	FY 2007	FY 2006	FY 2005
Septic Complaints	6	40	43
Well Complaints	1	3	12
Food Service Complaints	9	8	13
SESC Complaints	2	2	0
Department of Human Services Complaint	0	0	1
TOTAL COMPLAINT INVESTIGATIONS	18	53	69

EXISTING FACILITY EVALUATIONS

This program consists of the evaluations of existing sewage systems and water supply to determine if the construction and isolation meet current standards. These inspections are done upon request by the applicant and in most cases are needed in order to obtain a mortgage, but in some instances are needed in order to determine if it would be feasible to connect a newly constructed home to the existing water supply and/or sewage system.

Existing Facility Evaluations	FY 2007	FY 2006	FY 2005
Existing Sewage System Inspections	12	30	18
Existing Water Supply Inspections	9	6	2
Existing Sewage System and Existing Water Supply Inspections	2	3	2
TOTAL EXISTING FACILITY EVALUATIONS	23	39	22

MICHIGAN DEPARTMENT OF HUMAN SERVICES (MDHS) INSPECTIONS

The MDHS program consists of conducting Environmental Health inspections for MDHS licensed facilities. These facilities include both child and adult care establishments. The MDHS Environmental Health Inspections are done upon request of MDHS. There are two types of Environmental Health Inspections: sewage/water (part A) and general sanitation (part B). The part A inspections closely mirror our existing facility evaluations and ensure that the existing water supply and sewage system are adequate for their intended use. The part B inspections focus on making sure conditions are sanitary and refuse is removed on a regular basis.

MDHS Environmental Health Inspections	FY 2007	FY 2006	FY 2005
Part A	19	14	21
Part B	0	3	6
Part A and Part B	15	11	18
Follow-up Inspections	4	6	3
TOTAL MDHS ENVIRONMENTAL HEALTH INSPECTIONS	38	34	48

ENVIRONMENTAL HEALTH SERVICES

RADON

Administering the radon program throughout the district mainly focuses on education. Staff members attend area health fairs passing out radon test kits, informational packets, and answering questions about radon. Our agency also provides informational articles to local newspapers. Each month the state submits radon test results to our agency to be reviewed by staff members and kept on file. In addition to the health fairs the public can pick up a test kit at all of our offices throughout the year.

Radon Services	FY 2007	FY 2006	FY 2005
Number of Kits Distributed	457	445	344

CAMPGROUND PROGRAM

MDEQ had administered the campground program for the district for approximately 3 years as LMAS worked toward getting the other program areas up to accreditation standards. In 2006 LMAS took the campground program back. The Campground program includes an annual licensing inspection, temporary campground inspections, follow-up inspections, complaint investigation, and enforcement.

Campground Services	FY 2007	FY 2006
Annual Licensing Inspections	73	90
Follow-up Inspections	1	0
Temporary Campground Inspections	1	1

GREAT LAKES BEACH MONITORING PROGRAM

The Great Lakes Beach Monitoring Program was new to LMAS in 2006. The program consists of identifying all public bathing beaches on the great lakes within our four county area, conducting sanitary surveys for each beach, actively monitoring beaches that have a high risk of contamination, investigating complaints, and uploading all data compiled onto the states beach monitoring website.

Great Lakes Beach Monitoring Services	FY 2007
Public Beaches	76
Actively Monitored	2

HOME HEALTH and HOSPICE

The LMAS District Health Department provides Home Health and Hospice services to Luce, Mackinac, Alger, and Schoolcraft Counties. We also provide Home Health Services in Delta and Menominee Counties, as Bay Shore Home Nursing.

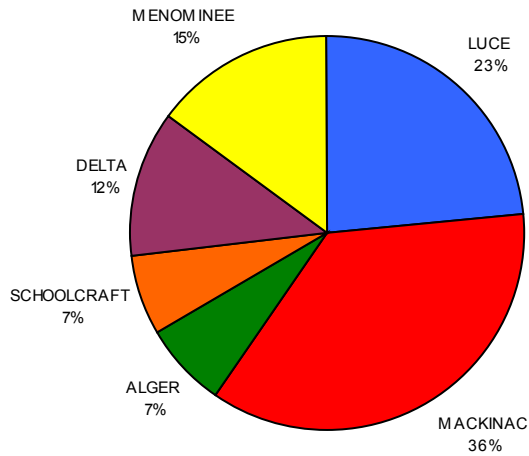
Our Home Health Team is available to assess and evaluate home health care needs and to determine the most appropriate care for those who are ill and desire to remain at home. We focus on assuring appropriate access for all services, with follow up care. Our efforts help members of the community to manage their diseases or illnesses, especially those who are particularly vulnerable.

Hospice care is provided by our professional staff and volunteers, and is also funded by community donations. Hospice care is a compassionate way for the terminally ill to approach the end of their lives in comfort, while receiving appropriate, competent and compassionate care. Care is provided in the environment of the client's choice, while preserving personal individuality and dignity. Hospice continues for family members during their recovery from the loss of their loved one. Hospice neither hastens nor postpones death; it affirms life, and regards death as a natural, normal process. The hospice philosophy stresses human values and the physical needs of the patient.

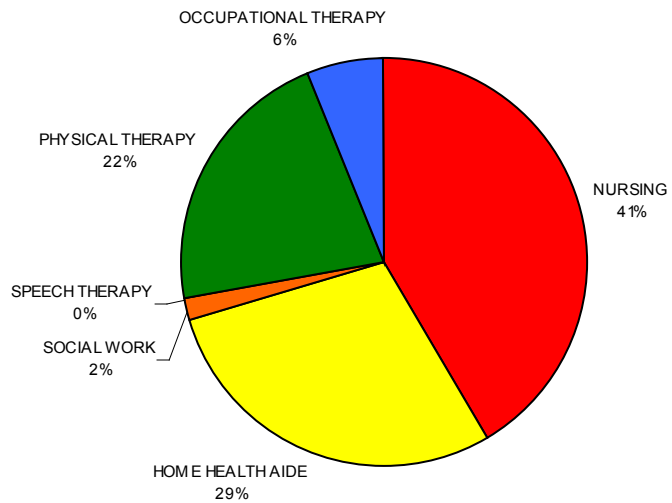


HOME HEALTH & HOSPICE STATISTICS

HOME HEALTH & HOSPICE SERVICES BY COUNTY FY 2007



HOME HEALTH & HOSPICE SERVICES BY DISCIPLINE FY 2007



HOME HEALTH & HOSPICE STATISTICS

HOME HEALTH & HOSPICE STATISTICS FISCAL YEAR 2007

SERVICES	LUCE	MACKINAC	ALGER	SCHOOLCRAFT	DELTA	MENOMINEE	TOTAL
NURSING	2,378	3,273	560	510	843	1,223	8,787
HOME HEALTH AIDE	1,378	2,110	360	705	801	708	6,062
SOCIAL WORK	115	152	25	32	-	-	324
SPEECH THERAPY	1	31	-	-	1	7	40
PHYSICAL THERAPY	953	1,113	502	137	768	1,146	4,619
OCCUPATIONAL THERAPY	130	920	15	34	108	67	1,274
TOTALS	4,955	7,599	1,462	1,418	2,521	3,151	21,106

FISCAL YEAR 2006

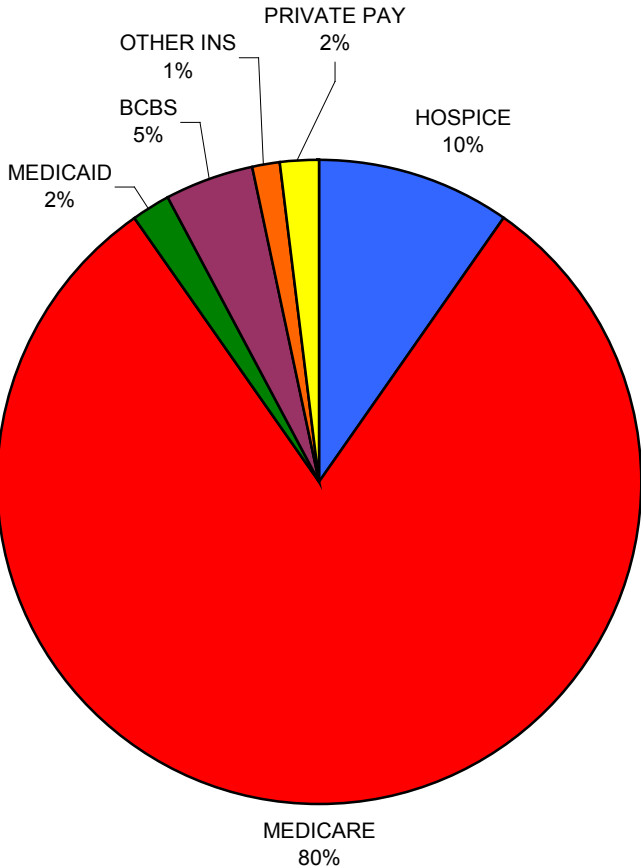
SERVICES	LUCE	MACKINAC	ALGER	SCHOOLCRAFT	DELTA	MENOMINEE	TOTAL
NURSING	1,798	2,670	1,014	820	895	1,485	8,682
HOME HEALTH AIDE	848	1,809	654	696	720	770	5,497
SOCIAL WORK	50	94	27	17	5	42	235
SPEECH THERAPY	16	17	-	-	7	13	53
PHYSICAL THERAPY	730	949	523	251	943	1,057	4,453
OCCUPATIONAL THERAPY	117	800	23	73	20	94	1,127
TOTALS	3,559	6,339	2,241	1,857	2,590	3,461	20,047

FISCAL YEAR 2005

SERVICES	LUCE	MACKINAC	ALGER	SCHOOLCRAFT	DELTA	MENOMINEE	TOTAL
NURSING	1,826	2,109	988	663	1,297	1,732	8,615
HOME HEALTH AIDE	587	1,544	733	706	1,102	845	5,517
SOCIAL WORK	26	70	40	1	2	9	148
SPEECH THERAPY	6	15	-	-	13	-	34
PHYSICAL THERAPY	591	780	369	268	1,316	1,136	4,460
OCCUPATIONAL THERAPY	94	335	96	42	70	105	742
TOTALS	3,130	4,853	2,226	1,680	3,800	3,827	19,516

HOME HEALTH & HOSPICE STATISTICS

HOME HEALTH & HOSPICE REVENUE BY FUNDING SOURCE FY 2007



PERSONAL AND FAMILY HEALTH SERVICES

Profile

The Personal & Family Health Services Division of LMAS District Health Department includes many programs that strive to provide the opportunity for individuals and families in our communities to reach their maximum potential for health, education, self-support, and self-fulfillment. Programs are designed to promote positive health outcomes both for the individual, the family and the community at large, through early intervention activities, community education/outreach, and health counseling services. We are committed to provide those necessary services that perhaps could not be provided elsewhere for so many in our communities. Registered Nurses or Registered Social Workers provide most services.

During the first week of June 2007, the LMAS District Health Department successfully completed the Michigan Department of Community Health Accreditation and Site Review Process. All indicators and standards were met for 7 of 10 Personal & Family Health program areas, and corrective plans have been submitted and accepted for program indicators that did not meet the standards. Out of 196 minimum program indicator requirements, Personal & Family Health met 182. LMAS continues to be fully accredited by the Michigan Department of Community Health (MDCH).

The PFH Division also experienced a number of staffing changes in 2007. The division currently operates with one director with responsibility for oversight and direction of all PFH programs and staff, and a business manager who assist with data analysis, billing issues and quality improvement. One new Nurse Practitioner was hired to assist in Mackinac and Schoolcraft County.

PROGRAM OVERVIEWS

COMMUNICABLE DISEASE PROGRAM

The Communicable Disease Program includes gathering, reporting and investigating communicable diseases, in an effort to timely and effectively monitor public health threats. In 2007 LMAS consulted with area schools, hospitals and long term care facilities related to issues such as MRSA, TB and Norovirus. LMAS Family Planning and STD staff also provided presentations to the local Alternative Education classes in each community.

DATA REPORTED TO THE MICHIGAN DISEASE SURVEILLANCE SYSTEM							
	2007	2006	2005		2007	2006	2005
Animal Bite	13	9	5	Influenza	6	1	0
Blastomycosis	1	0	0	Lyme Disease	0	0	2
Campylobacter	6	2	2	Meningitis, aseptic/bacterial	1	2	*
Chicken Pox (Varicella)	9	11	11	Mumps	0	1	*
Chlamydia	36	31	31	Pertussis	2	1	2
Cryptosporidiosis	0	1	2	Salmonellosis	6	9	3
Flu Like Illness	0	1	1972	Staphylococcus aureus Infect	0	1	*
Giardiasis	2	5	5	Streptococcus pneumoniae, Inv	0	1	*
Gonorrhea	2	1	2	Syphilis	1	1	*
Hepatitis A	0	0	2	Unusual Outbreak/Occurrence	2	0	4
Hepatitis B, chronic/acute	0	1	4	Yersinia enteritis	0	1	*
Hepatitis C, chronic	14	17	27	Source: Date submitted to the MDSS for the four counties. * Listed in FY 2006 but not in FY 2005			

TB SCREENING AND CONTROL

LMAS provides TB screening to the public and follows up on any positive TB screening tests. Follow up includes assisting clients with seeking medical attention, arranging for medication and monitoring medication adherence. LMAS nurses receive training through the American Lung Association to ensure that TB tests are performed properly.

Number of TB Tests Performed—196

Number of Clients Monitored for Treatment of Latent TB Disease—1

IMMUNIZATION PROGRAM

Immunizations are administered to children and adults in order to reduce vaccine preventable diseases. The Vaccine for Children Program (VFC) provides vaccine for children who qualify. Babies and children through 18 years of age who are uninsured or under-insured, are on Medicaid, are American Indian or Alaskan Native are eligible. VFC was established to assure all children have access to vaccines. Some vaccines, like Hep B, Hep A, Td, MMR and Tdap, are also available for adults who are uninsured or under insured through the Michigan Adult Vaccine Replacement Program. LMAS also provides a wide array of vaccines to clients who would like to privately pay for vaccine such as flu, shingles and hepatitis B.

Immunizations Administered to Clients in Fiscal Year 2007—2503

Immunizations Administered to Clients in Fiscal Year 2006— 2795

Immunizations Administered to Clients in Fiscal Year 2005— 2768

The Immunization Program requires close surveillance due to the complex schedule used to guide vaccine administration and the criteria for storing vaccine. In 2007 changes were made to the vaccination schedules related to Hepatitis A, pediatric flu and Prevnar. To assist local providers in these areas, LMAS provides education to local immunization providers through the Nurse Educator Program and periodic mailings and also performs site visits to ensure that vaccines are administered and stored properly.

WOMEN'S HEALTH PROGRAMS

Our Women's Health Programs include the Breast and Cervical Cancer Control Program (BCCCP) and Family Planning Program. Women who meet BCCCP Program guidelines, established by the State, may receive free clinical breast exams, pelvic exams, pap smears, and referral services for mammography and other identified health care needs. Follow up services are also provided. Family Planning services consist primarily of contraceptive services, exams, and education/counseling. Fertility enhancement can be considered. Sexually Transmitted Disease (STD) screening, diagnosis, treatment and follow up is an integral part of Family Planning services.

The BCCCP caseload for LMAS in FY2007 was 503, which was divided between LMAS offices and the Sault Tribe of Chippewa Indians Health Centers. LMAS was successful at meeting 100% of the caseload.

In FY 2007, the BCCCP program introduced a new Third Party Administrator (TPA) for billing, so LMAS participated in provider training and directed a great deal of effort towards keeping BCCCP providers updated on the billing changes.

PERSONAL & FAMILY HEALTH SERVICES

WOMEN'S HEALTH PROGRAMS CONTINUED

The Women's Health Advisory Board met twice during the fiscal year for the purposes of reviewing the Women's Health program objectives and goals. Marketing and educational material is also created and reviewed, in an effort to enhance community knowledge of the BCCCP and Family Planning Programs. The board consists of community members and teens, as well as several LMAS staff.

FY2007 was the first full year that the Michigan Department of Community Health (MDCH) offered the Plan First! Program, a Medicaid Waiver program designed to provide Family Planning services to eligible women ages 19 to 44. This has been a much needed service for the community and although there have been a few challenges with the program, LMAS staff have been successful in enrolling 147 women.

Presentations by LMAS staff have been made throughout our communities to youth groups' alternative education classes providing education on high-risk behaviors and the ABC (Abstinence, Be Faithful, and Consistent Condom Use) message that focuses on abstinence education. Community resource information and availability is emphasized during each presentation.

BCCCP PARTICIPATION	2007	2006
LMAS Clients:	205	274
Tribal Clients:	278	327
BCCCP Services Provided through LMAS:	346	343

FAMILY PLANNING PARTICIPATION	2007	2006	2005
Clients:	663	730	791
Total Services Provided, excluding contraceptives:	1841	2385	2650
Total FP Contraceptives Administered/Dispensed excluding condoms:	3316	N/A	N/A

WOMEN, INFANT, AND CHILDREN (WIC) PROGRAM

Service, support and education services are offered for income eligible pregnant and postpartum women, infants and children through several programs.

- The Special Supplemental Nutrition Program for Women, Infants and Children Program, better known as the WIC Program, serves pregnant or breastfeeding women, infants and children, providing nutritional foods to supplement diets, information on healthy eating, and referrals to health care. The LMAS caseload for FY 2007 was 1024.

WIC Participation Fiscal Year 2007

Clients: 1516
Services Provided: 3010

WIC Participation Fiscal Year 2006

Clients: 1550
Services Provided: 3493

WIC Participation Fiscal Year 2005

Clients: 1586
Services Provided: 3814

During the summer months, LMAS offer the Project Fresh Program, which provides clients with \$20 coupons that can be used to purchase Michigan Grown fruits and vegetables at local farmers markets. In fiscal year 2007, over 100 clients benefited from this program.

EMERGENCY PREPAREDNESS

Profile

The Emergency Preparedness section develops and enhances LMAS responses to public health issues in the community especially those large-scale emergency events. This is accomplished through comprehensive planning, staff education and training, and collaboration with community partners. An All-Hazards preparedness approach is used to cover multiple emergencies including disease outbreaks, food or water contamination, and bio-terrorism related threats or events.

All-Hazard Preparedness Planning

- All Hazards Plan includes response command and control, disease surveillance, lab testing availability and procedures, community containment/infection control, medical management, data management, staff mental health response, recovery and consequence management.
- Crisis and Emergency Risk Communication Plan outlines the procedures and responsibilities in the event of public health threats and emergencies; public information and communications; and responder/resource contact information.
- Strategic National Stockpile (SNS) Plan includes procedures for receipt and distribution of pharmaceuticals and medical equipment from Federal sources and subsequent distribution in the local community.

Emergency Responder Collaboration; Drills/Exercises

- Attended coordination meetings and exercises with Local Emergency Planning Committees (LEPC) and local county Emergency Management.
- Participated in monthly teleconferences with Emergency Planning Coordinators in the Upper Peninsula (Region 8) and Michigan Department of Community Health.
- Presented pandemic flu awareness and planning information to community groups.
- Shared in meetings and trainings of a Community Emergency Response Team (CERT), Medical Reserve Corps (MRC) and served on the advisory committee for Region 8 hospitals/Emergency Medical Technicians (EMT) in the Hospital Preparedness and Planning (HPP) program
- Developed pandemic school closing policy and conducted jurisdiction-wide school pandemic flu tabletop exercise.
- Took part in statewide pandemic flu response exercise.
- Conducted a tabletop exercise involving eastern Upper Peninsula tribal, health departments, hospitals and emergency management to test integration of the National Incident Management System (NIMS) with pharmaceutical receipt and distribution at Strategic National Stockpile (SNS) sites.
- Planned and conducted two full-scale mass flu immunization clinics in conjunction with hospitals and Emergency Managers in Alger and Schoolcraft Counties.

FISCAL YEAR 2006/2007 STAFF

Listed in alphabetical order by division

Fiscal Year 2007 Staff

Administration

<u>Last Name</u>	<u>First Name</u>	<u>Title</u>	<u>County</u>
Bontrager	Stan	Information Technology Manager	Luce
Bowler	Robert	Accounting Manager	Luce
Bufford	Stephanie	Finance Specialist	Luce
Charbonneau	Paula	Administrative Assistant	Luce
Couch	Elsa	Clerk	Schoolcraft
Dzelak	Melissa	Finance Specialist	Luce
Frosland	Keith	Custodian	Mackinac
Gereau	Nicole	Custodian	Delta
Henderson	Marvin	Deputy Health Office/Administrator	Luce
Hooper	Geneva	Information Technology	Luce
Ison	Ann	Finance Specialist	Luce
Kleeman	Lisa	Support Services Director/Analyst	Luce
Lamarand	Murray	Custodian	Alger
McCune	Mark	Emergency Preparedness Coordinator	Schoolcraft
Noldy	Susan	Administrative Assistant	Luce
Parker	Richard	Maintenance Supervisor	Luce
Pavey	Amy	Finance Specialist	Luce
Pelletier	Krista	Clerk	Luce
Prunick	Tom	Custodian	Alger
Shaulis	Lori	Finance Specialist	Luce
Steiner	Wayne	Custodian	Mackinac
Terrian	James	Health Officer/Medical Director	Luce
Zdebski	Amy	Finance Specialist	Luce

Community Health

<u>Last Name</u>	<u>First Name</u>	<u>Title</u>	<u>County</u>
Barton	Diane	Prevention Specialist	Schoolcraft
Bell	Barbara	Counselor	Schoolcraft
Bentgen	Marcy	Clerk	Mackinac
Dixon	Darrell	Counselor	Schoolcraft
Donaway	Wayne	Counselor	Luce
Dragan	Marc	Community Health Coordinator	Mackinac
Frankovich	Krista	Clerk	Schoolcraft
Gibbons	Heidi	Community Health Director	Mackinac
Jewell	Susan	Prevention Specialist	Luce
Johnson	Denise	Lead Clerk	Luce
MacDowell	Melanie	Prevention Specialist	Mackinac
Markstrom	Diane	Counselor	Mackinac
Matheny	Gary	Counselor	Mackinac
Tatrow	Lisa	Counselor	Schoolcraft
Wink	Suzy	Counselor	Alger

Environmental Health

<u>Last Name</u>	<u>First Name</u>	<u>Title</u>	<u>County</u>
Anderson	Laura	Clerk	Alger
Barr	Scott	Sanitarian	Luce
Brow	Lance	Sanitarian	Mackinac
Derusha	Nicholas	Environmental Health Manager	Luce
Gouza	Phyllis	Clerk	Luce
Hampton	Kimberly	Clerk	Schoolcraft
Hubble	Jennifer	Sanitarian/Coordinator	Schoolcraft
Lehto	Stacy	Lead Clerk	Luce
Moseley	Thomas	Sanitarian	Alger
Nelson	Staci	Clerk	Mackinac
Smith	Janet	EH Clerk Coordinator	Luce
Suggitt	Elizabeth	Sanitarian/Coordinator	Mackinac
Weber	Rebecca	Clerk	Schoolcraft
Whaley	Ryan	Type II Coordinator	Alger
Wolf	Karen	Clerk	Alger

FISCAL YEAR 2006/2007 STAFF

Listed in alphabetical order by division

Fiscal Year 2007 Staff

Personal & Family Health

<u>Last Name</u>	<u>First Name</u>	<u>Title</u>	<u>County</u>
Bosanic	Shaunta	Finance Specialist	Schoolcraft
Burton	Sandy	Clerk	Luce
Butkovich	Catherine	Technician	Luce
Copenhaver	Melissa	Director	Alger
Danaher	Denise	Director/Nurse Practitioner	Luce
Duyck	Patricia	Early On Coordinator	Schoolcraft
English	Cynthia	Registered Nurse	Mackinac
Gould	Kimberly	Clerk	Luce
Gustafson	Patricia	Registered Nurse	Luce
Harris	Babette	Clerk	Alger
Hoder	Debbie	Business Manager	Luce
Holmberg	Dorothy	Clerk	Schoolcraft
Houghton	Sandra	Clerk	Schoolcraft
Hughey	Melissa	Registered Dietician	Luce
Lussman	Jean	Lead Registered Nurse	Alger
Martyn	Danette	Registered Nurse	Luce
Maxon	Robin	Registered Nurse	Alger
Nelson	Clarine	Registered Nurse	Schoolcraft
Olsen	Amanda	Clerk	Schoolcraft
Perryman	Maria	Interpreter	Delta
Pratt	Janet	Nurse Practitioner	Mackinac
Rahilly	Elizabeth	Registered Nurse	Luce
Richey	Julie	Registered Dietician	Schoolcraft
Shortridge	Carla	Clerk	Alger
St. Martin	Rose	Nurse Practitioner	Alger
Sullivan	Marcia	Registered Nurse	Mackinac
Thomas	Tracci	Clerk	Mackinac
Young	Katherine	Registered Nurse	Schoolcraft

Home Health & Hospice

<u>Last Name</u>	<u>First Name</u>	<u>Title</u>	<u>County</u>
Anderson	Angela	Nursing Supervisor	Luce
Anderson	Joan	Social Worker	Alger
Anderson	Rosemary	Aide	Luce
Austin	Margaret	Nursing Supv/Intake Coordinator	Delta
Bernier	Sarah	Clerk	Delta
Bittner	Misty	Clerk Coordinator	Delta
Bontekoe	Mary	Aide	Schoolcraft
Burrows	Margaret	Registered Nurse	Mackinac
Burton	Nikki	Licensed Practical Nurse	Luce
Churill	Susan	Registered Nurse	Alger
Coakley	Kristin	Clerk	Menominee
Crowder	Debbie	Licensed Practical Nurse	Delta
Dake	Lisa	Clerk Coordinator	Luce
Davis	Barbara	Registered Nurse	Mackinac
Davis	Sandra	Licensed Practical Nurse	Luce
Demeuse	Karen	Aide	Delta
Eby	Margaret	Clerk	Mackinac
Edberg	Carrie	Aide	Delta
Filon	Karolina	Physical Therapist	Menominee
Filon	Tadeusz	Physical Therapist	Delta
Frenette	Lori	Registered Nurse	Luce
Frosland	Wendy	Registered Nurse	Mackinac
Gallagher	Theresa	Registered Nurse	Luce
Gereau	Pamela	Nursing Supervisor	Delta
Germain	Angela	Aide	Delta
Gibson	Sandra	Aide	Luce
Goodchild	Rebecca	Aide	Delta

FISCAL YEAR 2006/2007 STAFF

Listed in alphabetical order by division

Fiscal Year 2007 Staff

Home Health & Hospice

<u>Last Name</u>	<u>First Name</u>	<u>Title</u>	<u>County</u>
Gregory	Gretchen	Registered Nurse	Luce
Hall	Leland	Registered Nurse	Mackinac
Harju	Jody	Clerk	Mackinac
Hilliard	Debra	Social Worker	Luce
Hopkins	Jacqueline	Aide	Mackinac
Howland	Kelly	Aide	Mackinac
Jack	Kari	Clerk	Delta
Jenerou	Bonnie	Registered Nurse	Schoolcraft
Keupper	Stanley	Registered Nurse	Delta
King	Barbara	Registered Nurse	Mackinac
Kuebler	Georgianna	Medical Records Specialist	Luce
Marks	Helen	Registered Nurse	Mackinac
Masich	Melinda	Clerk	Luce
Misner	Judy	Nursing Supervisor	Mackinac
Morningstar	Rashel	Clerk	Mackinac
Morrison	Jeffrey	Lead Clerk	Luce
Nelson	Terrence	Director	Luce
Nettleton	Carrie	Clerk	Alger
Novenske	Linda	Registered Nurse	Mackinac
Ocko	Collette	Aide	Luce
Olsen	Karen	Clerk	Luce
Outwater	Lynette	Clerk	Luce
Pogrant	Joyce	Registered Nurse	Delta
Ross	Sharon	Aide	Alger
Salter	Lois	Registered Nurse	Luce
Schei	Mary	Registered Nurse	Menominee
Sevarns	Pauline	Aide	Luce
Sevon	Linda	Clerk	Menominee
Shell	Lawrence	Nursing Supervisor	Alger
Smith	Jennifer	Aide	Mackinac
Smutek	Colleen	Aide	Luce
Sobieray	Judith	Registered Nurse	Menominee
Soblaskey	Sherrill	Aide	Mackinac
Stieve	Debra	Supervisor	Delta
Uecke	Christie	Licensed Practical Nurse	Menominee
Van Dyke	Glynne Ellen	Registered Nurse	Alger
Wright	Cynthia	Licensed Practical Nurse	Mackinac
Zellner	Karla	Aide	Schoolcraft
Ziemke	Debra	Nursing Supervisor	Delta