

PUBLIC HEALTH NURSING DIVISION

The Public Health Nursing Division goals include promoting and improving the health of all residents of rural Crawford County and the city of Bucyrus through education, referral and limited direct services. This division's registered nurses provide these services throughout the county in individual homes, schools, clinics and at the justice center.

Immunization Clinics: Weekly childhood immunization clinics and a monthly satellite clinic in New Washington are provided. All mandatory and most recommended childhood immunizations are available to any child attending a clinic. We request a \$10 Office Visit charge and a \$10 per injection fee; however, no one is denied required vaccine for inability to pay. Those not eligible for the Vaccines for Children (VFC) program vaccines are unable to receive some of the recommended vaccines unless they are able to pay the cost for private purchase vaccine. We also implemented a new program, VFC Delegation of Authority, which covers the cost of certain vaccines for uninsured or underinsured children through 18 yrs of age. We also partnered with Merck to provide vaccine assistance to those over 18 yrs old for certain vaccines.

Overall Immunization Coverage Rates for 2009 were as follows (based on 4 DTaP, 3 Polio, 1 MMR, 3 Hib, 3 Hep B, and 1 Varicella):

Crawford County General Health District	76%
Galion City Health Department	68%
State of Ohio	81.8 (2008)
National Goal	90%

Crawford County was close or above the required 90% in five of the seven vaccines, however with the Hib shortage this affected our 4th Hib and DTaP rate which lowered our overall vaccination rate for 2009.

Seasonal vaccine was in short supply this year due to the need to produce the H1N1 vaccine. The department only received limited doses. The main focus in 2009 was the H1N1 vaccination. The Health Department held 52 H1N1 clinics throughout the county with most being held at the Youth Building at the Crawford County Fairgrounds. Clinics were held on weekdays, weekends and evenings. A total of 3290 H1N1 vaccines were given in 2009 and continue in 2010 until the need is no longer present. The whole Health Department staff was involved in this huge process.

Although the H1N1 flu resulted primarily as a mild illness, causing many people to experience influenza type of illness (ILI), an increase in ILI hospitalizations and death's, it turned out to be less of what was expected in our pandemic influenza exercises. However, with the roll out of the H1N1 illness, it provided us an opportunity to implement our emergency plans as well as an opportunity to meet and engage our community,

We continue to accept Medicare Part B, Medicaid and Medicaid Managed Care as payment for covered services. The list below will include all required and recommended vaccines.

Total Clinics	122
Total clients served	6401
Total immunizations given	8633
DIH (diphtheria, tetanus, pertussis, polio and hepatitis B)	14
DHI (diphtheria, tetanus, pertussis, haemophilus influenza B, polio)	365
DI (diphtheria, tetanus, pertussis, polio)	151
DTaP (diphtheria, tetanus and pertussis)	244
DT (diphtheria and tetanus)	1
Hepatitis A Adult	23
Pediatric	34
HBV (Hepatitis B) Adult	54
Pediatric/adolescent	432

Hepatitis A/Hepatitis B (Twinrix)	25
HIB (Haemophilus influenza type B)	78
Influenza vaccine	2055
H1N1	3290
IPV (inactivated polio vaccine)	109
MEN (Meningococcal vaccine)	115
MMR (measles, mumps and rubella)	350
MMRV (measles, mumps, rubella and Varicella)	0
PNU (pneumococcal polysaccharide – adult)	48
PNU (pneumococcal conjugate – pediatric)	496
Td (adult tetanus and diphtheria)	30
Tdap (adolescent/adult tetanus, diphtheria and pertussis)	217
Varicella (chickenpox)	314
Rotavirus	93
HPV (Human Papillomavirus - adolescent/adult females)	44
Shingles vaccine (adult)	51
Rabies vaccine (prophylaxis for vet student)	0

Bureau for Children with Medical Handicaps (BCMh): Registered nurses provide referral services to BCMH providers for the Diagnostic program for children up to age 21. Case management services are provided for children aged 0 – 35 months of age through the Public Health Nurse Consultation Service and for those aged 3 – 21 with medically eligible diagnoses who meet the financial eligibility requirements for the Treatment program up to age 21. We continue to enter records into a software database to be maintained electronically with total electronic transfer of reports and billing the goal in the near future.

Referrals to Diagnostic Program	33
Total on BCMH	146
Home visits	69
Total Revenue	\$12,880

Public Health Nurse Consultative Services: This program is for children 0 through 35 months of age. The same services and paperwork as the BCMH program are required and in addition, the nurse is required to refer the child to the county Help Me Grow program for Service Coordination if the child is not already involved with that program. The Ohio Department of Health is strongly encouraging the nurse and service coordinator make at least one joint home visit and the nurse is to attend the IFP (Individual Family Planning) meetings and have documented input into the IFP. All of these services are to be provided in half the time allotted for a regular BCMH client. Children that would not have been eligible for service through BCMH because of their diagnosis will be eligible for this program.

PHN Consultative Visits	3
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Prenatal and Newborn Home Visiting Program: Registered nurses provide education and referral services for expectant mothers and newborns. Information includes but is not limited to immunizations, child development, bottle and breast feeding, child safety, literacy, maternal health and other service agencies. A web-based program is used to log all clients and the Ohio Department of Health tracks children through this application.

Total client referrals	158
Prenatal referrals	50
Newborn referrals	108
Prenatal Home Visits	0
Newborn Home Visits	38
Referrals for ongoing services in HMG programs	8

School Health Services: Registered nurses provide state mandated vision screening for all students in Preschool and kindergarten and grades 1 – 3 – 5 – 7 and 9. They provide hearing screening for all Preschool and kindergarten students and grades 1 – 3 – 5 – and 9. Scoliosis screening is provided for all students in grades 6 – 7 and 8. These nurses provide referral information for students not passing any screenings and will assist with scheduling appointments as needed. They refer children to the BCMH program for assistance as applicable. These registered nurses review immunization and health records for all the preschool and kindergarten students and new students of any grade enrolled in their district. The nurses complete the state mandated Summary Report on the Immunization Status of New Pupils (in grades 1 – 12) for the districts. The nurses develop Individual Health Plans (IHPs) for medically challenged students, provide referral services to health care providers and agencies, provide health education when able and make home visits as necessary. These nurses have developed educational programs for hygiene, heart health, first aid, etc. that they provide to age appropriate classes. These nurses work with various school grant personnel providing resource information and are involved in the newly mandated school Wellness Policies. We have contracts with Bucyrus City Schools and Colonel Crawford.

Bucyrus City School District # for School Calendar Year 2008—2009

Total enrollment	1645
# of Immunization and Health Records reviewed	382
# of Vision Screenings	703
# of Hearing Screenings	463
# of Scoliosis Screenings (not yet done this school year)	220

Colonel Crawford School District # for School Calendar Year 2008—2009

Total enrollment	926
# of Immunization and Health Records reviewed	1,016
# of Vision Screenings	450
# of Hearing Screenings	375
# of Scoliosis Screenings (not yet done this school year)	0

Communicable Disease Investigation: Registered Nurses follow-up on reportable infectious disease reports and submit their investigation to the Ohio Department of Health via the Ohio Disease Reporting System (ODRS), a secure web-based application. The investigation of Communicable Diseases is exempt from the HIPAA (privacy) rules and regulations to facilitate reporting and contact investigation; however it is still difficult to obtain information from private providers. There was a 20% increase in Communicable Diseases from 2008 until 2009 which mainly was due to the 65% increase in Hepatitis C cases (average age is 47). STD's continue to be an issue with Chlamydia being most prevalent (average age 21).

Total number of Class A Diseases reported	98
<u>Class A and B Disease Reports</u>	
Camplobacter	1
Chlamydia Infections	38
Coccidioidomycosis	1
Cryptosporidiosis	2
Haemophilus Influenzae (invasive)	5
Hepatitis B	4
Hepatitis C	32
Gonococcal Infections	2
Meningitis, aseptic/viral	1
Mycobacterium—other than tuberculosis	1
Pertussis	3
Salmonellosis	2
Streptococcus pneumoniae – invasive	1
Syphilis	1
Typhoid Fever	1

Tuberculosis Screening: Registered nurses administer tuberculin skin testing to contacts of confirmed or suspect cases, health care students, health care providers and teaching staff of local school districts and Mid-Ohio Education Service Center. Positive reactors require follow-up tests to determine the need for chemoprophylaxis of tuberculin infection (not active disease, not infectious).

# of tuberculin skin tests administered	294
# of positive reactors	1
# with active disease (infectious)	0

Lead Poisoning Prevention and Case Management: Registered nurses provide home visits, education and referral services for families with a child(ren) with an elevated blood lead level (EBLL) of 10mcg/dl and above. Elevated lead levels may be reported to the local health department from the Ohio Department of Health, clinics, private physicians and the WIC program. The home visit includes completing a questionnaire covering medical, behavioral, exposure, developmental and nutritional information. Educational information includes identification of health risks, identification of sources of lead and explaining how lead enters the body. The nurse discusses the risk of lead poisoning to young children, the health risks associated with lead poisoning and the significance of any lead level results. She stresses the need for retesting and will follow-up with the child(ren)'s family doctor. She discusses practices for prevention such as good hand washing, safely and effectively cleaning the environment, the importance of good nutrition and safe home remodeling practices. The Ohio Department of Health will contact client for an environmental assessment for blood lead levels over 20 mcg/dl. Available resources clients are referred to include: Help Me Grow, WIC, BCMH, Head Start, Regional Childhood Lead Poisoning Prevention Program, and the County and City Home Improvement Programs (CHIP). Information is also provided to area physicians regarding the testing required by law to be completed at 6 and 12 months of age on all Medicaid eligible clients and clients living in a high risk zip code (all zip codes in Crawford County are high risk) to assist them in medical management of cases.

Total clients with EBLL referred to Nurse Case Manager in 2009	1
Home visits by Nurse Case Manager	1

Justice Center Nursing Services: The health department is in contract with Health Professionals, Inc. for the provision of the nursing services at the justice center. These registered nurses review the medical history portion of each book-in sheet for medical needs for every inmate booked in regardless of expected length of stay. For all inmates sentenced for more than 14 days, tuberculin skin testing is completed and pre-physical exam assessments and interviews are conducted. The nurses assist the jail physician with physical exams. Nurses assess and interview inmates submitting sick-call slips and confer with the jail physician for medical follow-up needed. The nurses annually tuberculin skin test the justice center staff and new employees are offered Hepatitis B vaccine and are tuberculin skin tested. The nurses are contacted after hours by corrections officers with medical issues and coordinate after-hour medical care with the jail physician or the Medical Director of Health Professionals, Inc. The nurses attend corrections related training as able and also provide training to corrections center staff as needed.

Total hours of jail nursing service	1545 hrs
Total Revenue	\$46,350
Total number of book-ins/medical history review	1657
# inmates tuberculin skin tested/pre-physical assessment	774
# of active tuberculosis cases	0
# of tuberculin infected inmates	1
# of physicals completed by jail physician	678
# of sick call interview and assessments	792
# of employee annual/new hire tuberculin skin testing	50
# of employees receiving Hepatitis B vaccine	3

Car Seat Education Classes and Car Seat Safety Checks: Two of our registered nurses have been trained as Certified Car Seat Technicians and provide car seat education classes and distribute car seats through the Ohio Buckles Buckeyes (OBB) Child Safety Seat Distribution and Education program. Car seats for distribution to eligible families in Crawford County are to be provided by the state for this program and the seats are divided equally between the county health department and Galion City Health Department. Additionally, these nurses have solicited donations from local Veteran groups, insurance carriers, businesses and the Bucyrus Area Community Foundation Grant to support the distribution of car seats during scheduled Car Seat Safety Checks.

# of car seats received from state OBB program	15
# of applications for the Education class and for (OBB) car seats	65
# of classes held	4
# of car seats distributed	43
# of car seats purchased with monetary donations	22
Total \$ donations received in 2007	0
Total of all donated funds/grants since 2003	\$6,954.70
# of scheduled Car Seat Safety Check Events	0
# of car seats checked at Events	1
# of car seats distributed at Events	0
# of walk-in Car Seat Checks	5

Miscellaneous Nursing Services: Nurses provide blood pressure screening services on a walk-in basis. Visual exams and medical interviews of clients of Crawford County Children’s Services and Juvenile Court are provided. Nurses are available for Head checks every morning from 8 – 9AM for students excluded from school due to head lice infestation. Head lice shampoo is available for a nominal fee. Nurses provide numerous referral services including but not limited to: Crawford County Society for Crippled Children and Adults, the Lions Clubs and Crawford County Dental Care for Kids program. Nurses provide educational presentations for agencies and groups on an as needed basis or by request. Effective 9/1/2007, a fee for service was initiated for hands on nursing services. We can bill Medicare, Medicaid and the Medicaid Managed Care Plans for these services. No one is denied any service for inability to pay.

HANDS ON SERVICES

# Blood pressure screenings	29
# Visual exams/medical interviews	15
# Head checks	466
Tympanogram (Hearing evaluations)	14
Referral Assistance:	
# to Crippled Children	15
# to Lions Clubs	55
# to Dental Programs	1