



The State of Michigan requires local public health departments to provide a program to monitor and control the spread of sexually transmitted diseases (STDs). The STD program offers routine testing for syphilis, gonorrhea, and chlamydia. The CDC estimates that there are approximately 19 million new STD infections each year, which cost the U.S. Healthcare System \$16.4 billion annually and cost individuals even more in terms of acute and long-term health consequences.

In 2011, 1,208 cases of chlamydia, 215 cases of gonorrhea and 5 cases of syphilis were reported in Muskegon County. At Public Health Muskegon County (PHMC), the focus of the STD program is the prevention of sexually transmitted diseases. We work with local physicians, schools, courts and other community agencies to prevent/control the spread of STDs.

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Staff and Roles

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Basis for Program

The STD Program is a mandated program, which practices under the Public Health Code, MCL 333.2433 (2)(e); PA 349 of 2004-Sec 218 and 904; R325.177 and PA 133 of 1993.

Purpose of the Program

The purpose of the STD Program is to identify the incidence of and prevent the transmission of STDs among the population. This is done through raising awareness of the infections that are spread through sexual contact by education in the STD clinic and by giving presentations in the community. PHMC's goal is to reduce the burden of STDs in Muskegon County, while increasing testing rates, and raising community awareness of STDs, and the risks they present.

Providing STD testing is important because serious health risks can result from non-treatment of these infections. Our services minimize transmission of these diseases. Some of the health problems that can occur are: (1) increased infant mortality rates, (2) increase risk for miscarriage, (3) transmission of disease to infant during childbirth, (4) increased healthcare cost, and (5) increased risk for serious health issues such as pelvic inflammatory disease, infertility, cervical cancers, joint pain, and serious vital organ problems.

Community Data

Muskegon County STD Data	2005	2006	2007	2008	2009	2010	2011
Chlamydia	1,145	1,193	1,109	1,183	1,351	1,255	1,208
Gonorrhea	615	619	626	395	397	262	215
Syphilis (primary/secondary)	1	1	0	1	2	7	5

The STD program provides partner follow up and treatment for all clients who test positive for a STD in Muskegon County. This service was provided to 1,217 Muskegon County residents in Fiscal Year 2011. A Public Health Nurse will go out in the field to find partners and treat as necessary.

PHMC also provides valuable assistance to the physicians and healthcare agencies. The STD program ensures that the providers are knowledgeable of the current trends of STDs, reporting requirements and appropriate treatment of syphilis, gonorrhea and chlamydia.

Community Value

In 2011, 1,208 females were diagnosed with chlamydia in Muskegon County. Studies show that up to 40 percent of these would result in Pelvic Inflammatory Disease (PID) if left undiagnosed and treated. At a cost of \$3,689 to treat one case of PID, it is estimated that the counties public and private healthcare payers saved 1.5 million dollars in avoided PID.

Public sector providers, including the STD clinic, juvenile detention facility, and family planning providers diagnosed approximately 22% of all cases in the county; saving area providers over \$300,000 in averted medical costs. (Howell MR, Quinn TC, Brathwaite W, et al.)

Fiscal Year 2011 Financial Information (Unaudited)

Revenues:	FY 2011 Actual	FY 2011 Percentage
Intergovernmental Revenue	\$186,209	57.48%
Medicaid	\$4,683	1.45%
Fees	\$5,452	1.67%
Access Health	\$0	0.00%
Transfers In	\$127,635	39.40%
Total Revenues	\$323,979	100.00%
Expenditures		
Program Salaries/Fringes	\$247,025	76.25%
Other Program Expenditures	\$76,954	23.75%
Total Expenditures	\$323,979	100.00%

