

Family Planning and Sexually Transmitted Infection Prevention and Treatment

(FY 2014 Appropriation Bill – Public Act 252 of 2014)

January 3, 2015

Sec. 1103. By January 3 of the current fiscal year the department shall annually issue to the legislature, and to the public on the Internet, a report providing estimated public funds administered by the department for family planning, sexually transmitted infection prevention and treatment, and pregnancies and births, as well as demographics collected by the department as voluntarily self-reported by individuals utilizing those services. The department shall provide the actual expenditures by marital status or, where actual expenditures are not available, shall provide estimated expenditures by marital status. The department may utilize the Plan First application (Form MSA 1582), MICHild, and Healthy Kids application (DCH 0373) or Assistance Application (DHS 1171) or any other official application for public assistance for medical coverage to determine the actual or estimated public expenditures based on marital status.

*Michigan Department
of Community Health*



**Rick Snyder, Governor
Nick Lyon, Director**

MICHIGAN DEPARTMENT OF COMMUNITY HEALTH (MDCH)
(SECTION 1103 – Public Act 252 of 2014)

Attachment A: Calendar Year 2013 (January thru December) Family Planning Funding and Reporting Data

- Item 1: Family Planning Local Agencies Expenditures
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Michigan Residents, 2013

Attachment A

**FAMILY PLANNING LOCAL AGENCIES EXPENDITURES
CALENDAR YEAR 2013
(JANUARY THRU DECEMBER)**

Item 1

Total Calendar Year 2013	\$10,333,793
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*Source: Michigan Administrative Information Network (MAIN) – Calendar Year 2013

**CALENDAR YEAR 2013 (JANUARY THRU DECEMBER)
FAMILY PLANNING BY SEX AND AGE**

Item 2

Age Group (Years)	Female	Male	Total
Under 15	526	5	531
15-17	7,049	99	7,148
18-19	9,844	218	10,062
20-24	27,972	975	28,947
25-29	20,710	781	21,491
30-34	11,746	427	12,173
35-39	5,644	213	5,857
40-44	2,971	143	3,114
Over 44	2,074	191	2,265
TOTAL	88,536	3,052	91,588

*Source: Family Planning Annual Report (FPAR) - Calendar Year 2013

Attachment A

**CALENDAR YEAR 2013 (JANUARY THRU DECEMBER)
FAMILY PLANNING FEMALE BY ETHNICITY AND RACE**

Item 3

Race	Hispanic or Latino	Not Hispanic or Latino	Unknown Not Reported	Total Female
American Indian or Alaska Native	75	449		524
Asian	28	1,283		1,311
Black or African American	208	16,620		16,828
Native Hawaiian or Other Pacific Islander	25	89		114
White	3,335	56,580		59,915
More than one race	559	1,265		1,824
Unknown/not reported	2,735	1,010	4,275	8,020
Total Female	6,965	77,296	4,275	88,536

*Source: Family Planning Annual Report (FPAR) - Calendar Year 2013

**CALENDAR YEAR 2013 (JANUARY THRU DECEMBER)
FAMILY PLANNING MALE BY ETHNICITY AND RACE**

Item 4

Race	Hispanic or Latino	Not Hispanic or Latino	Unknown Not Reported	Total Male
American Indian or Alaska Native	1	18		19
Asian	1	47		48
Black or African American	7	577		584
Native Hawaiian or Other Pacific Islander	0	10		10
White	85	1,775		1,860
More than one race	23	60		83
Unknown/not reported	61	33	354	448
Total Male	178	2,520	354	3,052

*Source: Family Planning Annual Report (FPAR) – Calendar Year 2013

**CALENDAR YEAR 2013 (JANUARY THRU DECEMBER)
FAMILY PLANNING BY INCOME LEVEL**

Item 5

Income as Percent of the Health and Human Services Poverty Guidelines	Number of Individuals
100% and below	59,776
101% - 150%	14,185
151% - 200%	7,145
201% - 250%	3,422
Over 250%	6,723
Unknown/Not Reported	337
Total	91,588

*Source: Family Planning Annual Report (FPAR) - Calendar Year 2013

**CALENDAR YEAR 2013 (JANUARY THRU DECEMBER)
FAMILY PLANNING BY MARITAL STATUS**

Item 6

Marital Status	Number Individuals	Estimated Expenditures
Now Married	9,058	\$1,022,006
Separated	1,386	\$156,381
Divorced	4,621	\$521,383
Widowed	177	\$19,971
Never Married	68,420	\$7,719,768
Not Answered	7,926	\$894,284
Total	91,588	\$10,333,793

*Source: Family Planning Annual Report (FPAR) - Calendar Year 2013

**SEXUALLY TRANSMITTED DISEASE (STD) FUNDING
FISCAL YEAR 2014
OCTOBER 1, 2013 THRU SEPTEMBER 30, 2014
Item 1**

Fund Source	Appropriation #16753
General Fund/General Purpose	\$795,531
Michigan Health Initiative	\$1,843,606
Federal Preventive Health and Health Services Block Grant	\$100,000
Federal CDC* Grant for Comprehensive STD Prevention Systems	\$2,580,823
Total FY 2014	\$5,319,960

*CDC – Centers for Disease Control and Prevention

**CLIENTS SCREENED FOR CHLAMYDIA
IN PUBLICLY SUPPORTED SITES BY SEX AND AGE
FISCAL YEAR 2014
OCTOBER 1, 2013 THRU SEPTEMBER 30, 2014
Item 2**

Age	Chlamydia Tests Among Males		Chlamydia Tests Among Females	
	Number	Percent	Number	Percent
less than 10	5	less than 1%	22	less than 1%
10-14	770	3%	878	3%
15-19	5,719	20%	10,853	32%
20-24	7,585	27%	11,180	33%
25-29	5,177	18%	5,409	16%
30+	9,040	32%	6,025	18%
All ages	28,296	100%	34,367	100%

**CLIENTS SCREENED FOR GONORRHEA
IN PUBLICLY SUPPORTED SITES BY SEX AND AGE
FISCAL YEAR 2014
OCTOBER 1, 2013 THRU SEPTEMBER 30, 2014**

Item 3

Age	Gonorrhea Tests Among Males		Gonorrhea Tests Among Females	
	Number	Percent	Number	Percent
less than 10	5	less than 1%	22	less than 1%
10-14	769	3%	787	3%
15-19	5,630	20%	8,652	30%
20-24	7,512	27%	8,950	31%
25-29	5,104	18%	4,651	16%
30+	8,979	32%	5,525	19%
	27,999	100%	28,587	100%

**CLIENTS SCREENED FOR SYPHILIS
IN PUBLIC HEALTH LABORATORIES BY SEX AND AGE
FISCAL YEAR 2014
OCTOBER 1, 2013 THRU SEPTEMBER 30, 2014**

Item 4

Age	Syphilis Tests Among Males		Syphilis Tests Among Females	
	Number	Percent	Number	Percent
less than 10	25	less than 1%	30	less than 1%
10-14	60	less than 1%	49	less than 1%
15-19	947	7%	1,082	10%
20-24	3,127	23%	2,824	26%
25-29	2,707	20%	2,099	20%
30+	6,798	50%	4,585	43%
All ages	13,664	100%	10,669	100%

**CLIENTS TREATED FOR CHLAMYDIA
IN PUBLICLY SUPPORTED SITES, BY SEX AND AGE
FISCAL YEAR 2014
OCTOBER 1, 2013 THRU SEPTEMBER 30, 2014
Item 5**

Age	Chlamydia Treatment of Males		Chlamydia Treatment of Females	
	Number	Percent	Number	Percent
less than 10	12	less than 1%	18	less than 1%
10-14	28	less than 1%	232	1%
15-19	1,802	21%	6,812	34%
20-24	3,696	42%	8,362	42%
25-29	1,655	19%	2,782	14%
30+	1,551	18%	1,734	9%
All ages	8,744	100%	19,940	100%

**CLIENTS TREATED FOR GONORRHEA
IN PUBLICALLY SUPPORTED SITES, BY SEX AND AGE
FISCAL YEAR 2014
OCTOBER 1, 2013 THRU SEPTEMBER 30, 2014
Item 6**

Age	Gonorrhea Treatment of Males		Gonorrhea Treatment of Females	
	Number	Percent	Number	Percent
less than 10	3	less than 1%	3	less than 1%
10-14	6	less than 1%	44	2%
15-19	446	16%	812	29%
20-24	971	35%	1,115	39%
25-29	554	20%	464	16%
30+	819	29%	386	14%
	2,799	100%	2,824	100%

**CLIENTS TREATED FOR SYPHILIS
IN PUBLICLY SUPPORTED SITES, BY SEX AND AGE
FISCAL YEAR 2014
OCTOBER 1, 2013 THRU SEPTEMBER 30, 2014**

Item 7

Age	Syphilis Treatment of Males		Syphilis Treatment of Females	
	Number	Percent	Number	Percent
less than 10	10	1%	11	5%
10-14	1	less than 1%	0	0%
15-19	35	4%	16	8%
20-24	215	24%	33	16%
25-29	166	18%	26	13%
30+	474	53%	120	58%
All ages	901	100%	206	100%

**ITEM 8: INCIDENCE AND PREVALENCE OF SEXUALLY TRANSMITTED
INFECTIONS**

Sexually transmitted infections (STIs) are common in the United States, with a disproportionate burden among adolescents and young adults. Young people (ages 15-24) are particularly affected, accounting for 50 percent of all new STIs, although they represent just 25 percent of the sexually experienced population.¹

The Centers for Disease Control and Prevention (CDC) estimates that there are about 20 million new STIs in the United States each year.² In 2008, there were an estimated 110 million prevalent STIs among women and men in the United States. Prevalence is the total number of new and existing infections at a given time.³ The CDC analysis included eight common STIs: chlamydia, gonorrhea, hepatitis B virus (HBV), herpes simplex virus type 2 (HSV-2), human immunodeficiency virus (HIV), human papilloma virus (HPV), syphilis, and trichomoniasis.

¹ CDC Fact Sheet: Incidence, Prevalence, and Cost of Sexually Transmitted Infections in the United States. CDC National Center for HIV/AIDS, Viral Hepatitis, STD, and TB Prevention, February 2013.

² Satterwhite, CL, et al. Sexually transmitted infections among U.S. women and men: Prevalence and incidence estimates, 2008. *Sex Transm Dis* 2013; 40(3): pp. 187-193.

³ Satterwhite, CL, et al. Sexually transmitted infections among U.S. women and men: Prevalence and incidence estimates, 2008. *Sex Transm Dis* 2013; 40(3): pp. 187-193.

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Sexually transmitted infections are among the most common reportable communicable diseases in Michigan. In 2013, chlamydia and gonorrhea ranked 1 and 2 among reportable infections.⁴

ITEM 9: PUBLIC FUNDS ADMINISTERED BY THE DEPARTMENT TO COMBAT SEXUALLY TRANSMITTED INFECTION

Michigan Department of Community Health, Bureau of Disease Control, Prevention and Epidemiology, STD Section administered a budget of \$5,319,960 in fiscal year 2014. Approximately 50% of these resources were received via Federal grants from the Centers for Disease Control and Prevention, and the remaining 50% are state resources from the General Fund and Michigan Health Initiative.

The majority of the \$5.3 million dollars administered by the department is dedicated to the detection and treatment of the three reportable sexually transmitted diseases: chlamydia, gonorrhea, and syphilis.

ITEM 10: DEMOGRAPHICS OF SEXUALLY TRANSMITTED INFECTIONS

The CDC and the Council of State and Territorial Epidemiologists (CSTE) develop surveillance standards for STIs. Demographic data includes: age, gender, geography and race/ethnicity. Certain behavioral risk factors are also assessed, such as: whether or not the infected person has more than one sex partner, is a commercial sex worker, has ever exchanged sex for money or drugs, uses drugs, shares needles, and/or has previously tested positive for STIs. This data helps target resources to high-risk populations.

MARITAL STATUS

Marital status is not collected for the surveillance of STIs. The Michigan Department of Community Health (MDCH) does not have marital status data on reported cases as it is not a required field on the case report. Due to limited resources, less than one percent of cases have a documented complete disease investigation. Furthermore, among the cases investigated, the relationship (spouse or non-spouse) field is “unknown” in over 50% of the cases. Combined, these factors make these records a poor data source for estimating the marital status of recipients of STD services.

⁴ Michigan Department of Community Health, Bureau of Disease Control, Prevention and Epidemiology, STD Section, *Michigan Disease Surveillance System, 2013 chlamydia and gonorrhea cases*.

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As previously stated, STIs are most prevalent among adolescents, who are quite unlikely to be married. In 2013, 75% of chlamydia cases were diagnosed in persons 25 years of age or younger. For gonorrhea, 64 percent of cases were under age 25, and 40 percent of syphilis cases were under age 25. Given that marriage rates increase with age, it is fair to say that the majority of individuals with STDs are not married; however we lack the data to delineate the breakdown with certainty.

To meet the requirement of this report the STD Section has utilized 2010 US Census data, broken down by age and marital status, to estimate the marital status of clients tested and treated for STDs in Michigan's public clinics.⁵

Item 11

Percent of Population Married by Age Group	
Age	Percent Married
less than 10	N/A
11-14	N/A
15-19	3.1
20-24	13.5
25-29	38.2
30+	63.3

An actual cost analysis has not been conducted for these services, and is unlikely, as services are provided in various venues throughout the state. For this reason, a cost per unit system has been utilized to estimate the proportion of the STD budget spent on the diagnosis and management of the three reportable diseases: chlamydia, gonorrhea, and syphilis. First, a test for chlamydia or syphilis is assigned a cost per unit multiplier of 1; since gonorrhea tests are run in tandem with chlamydia tests, they are assigned a multiplier of .25. Treatment of chlamydia and gonorrhea require a follow-up appointment and provision of medication; a cost per unit multiplier of 1 has been assigned to the treatment of these infections. Last, case investigation

⁵ U.S. Census Bureau, Economic and Statistics Administration, US Department of Commerce, *Family Status and Household Relationship of People 15 Years and Over, by Marital Status, Age, and Sex: 2010*. Accessed electronically 12.06.13 at <http://www.census.gov/population/www/socdemo/hh-fam/cps2010.html>.

Attachment B

and treatment of syphilis is extremely labor intensive and the medication to treat one case can range from \$100.00 to \$300.00. The rate per case treated is ascribed a cost per unit multiplier of 100. (Item 12)

**ITEM 12: DEMOGRAPHICS OF SEXUALLY TRANSMITTED
INFECTIONS/MARITAL STATUS
FISCAL YEAR 2014
OCTOBER 1, 2013 THRU SEPTEMBER 30, 2014**

	# in 2014	Estimated Married*	Multiplier	Units of Service	Estimated Unmarried*	Multiplier	Units of Service
Chlamydia tests in publicly supported sites	62,663	16,627	1	16,627	46,036	1	46,036
Gonorrhea test in publically supported sites	56,586	15,573	0.25	3,893	41,013	0.25	10,253
Syphilis tests in MDCH Regional Labs	24,836	10,112	1	10,112	14,724	1	14,724
Chlamydia and Gonorrhea cases treated	34,330	7,148	1	7,148	27,182	1	27,182
Syphilis cases treated	1,107	484	100	48,400	623	100	62,300
Total	179,522	49,944		86,180	129,578		160,495

Cost Per Unit = \$21.57

*US Census Data

Based on this analysis, it is estimated that 65% (\$3,457,974) of the \$5,319,960 in public funds administered by the department were expended on unmarried persons, and the remaining 35% (\$1,861,986) served married patients. (Item 13)

**ITEM 13: ESTIMATED PUBLIC FUNDS ADMINISTERED BY THE
DEPARTMENT EXPENDED BY MARITAL STATUS
FISCAL YEAR 2014
OCTOBER 1, 2013 THRU SEPTEMBER 30, 2014**

Estimated expenditures for services to married patients	\$1,861,986	35%
Estimated expenditures for services to unmarried patients	\$3,457,974	65%
Total Funds Administered by MDCH STD Section	\$5,319,960	100%

**MEDICAID EXPENSES ASSOCIATED WITH PREGNANCY AND BIRTH
FISCAL YEAR 2014**

Item 1

Total Fiscal Year 2014	\$842,234,289
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*Source: MDCH Community Health Automated Medicaid Claims Processing System (CHAMPS) Data Warehouse

Item 2

Fiscal Year 2014 (October 2013 to September 2014) Pregnant Women by Age on Medicaid**	
Age Group (Years)	Total Women
Under 15	66
15-17	1,911
18-19	7,690
20-24	38,605
25-29	33,039
30-34	18,861
35-39	8,294
40-44	2,656
Over 44	450
TOTAL	111,572

*Source: MDCH CHAMPS Data Warehouse

**Represents all pregnant women on Medicaid during the fiscal period. All pregnant women will not have delivered during this period resulting in a Medicaid birth.

Item 3

Fiscal Year 2014 (October 2013 to September 2014) Pregnant Women by Race on Medicaid**	
Race	Total Women
American Indian or Alaska Native	1,038
Asian	1,851
Black or African American	30,526
Hispanic	8,500
Native Hawaiian or Other Pacific Islander	92
White	63,089
Unknown/not reported	6,476
Total	111,572

*Source: MDCH CHAMPS Data Warehouse

**Represents all pregnant women on Medicaid during the fiscal period. All pregnant women will not have delivered during this period resulting in a Medicaid birth.

Item 4

Live Births by Marital Status and by Medicaid Payment Michigan Residents		
Actual Total of Medicaid Expenditures for Birth and Delivery, 2014*		\$842,234,289
Actual Medicaid Birth by Marital Status, 2013**		2013 Estimated Expenditures by Marital Status***
Married	16,700	\$281,689,350
Unwed	33,232	\$560,544,939
TOTAL	49,932	\$842,234,289

*Source: MDCH CHAMPS Data Warehouse

** Source: Michigan Department of Community Health
Vital Records and Health Statistics Section Most Recent Data

***Source: Applied 2013 Medicaid birth proportion as reported by Vital Records and Health Statistics Section to 2014 Actual Expenditures by Medicaid Status to estimate expenditures for married and unwed