

Family Planning and Sexually Transmitted Infection Prevention and Treatment

(FY 2016 Appropriation Bill – Public Act 084 of 2015)

January 3, 2016

Sec. 1300. *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 DCH-1426 application for health coverage and help paying costs 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
Health & Human Services

RICK SNYDER, GOVERNOR
NICK LYON, DIRECTOR

**MICHIGAN DEPARTMENT OF HEALTH AND HUMAN SERVICES (MDHHS)
(SECTION 1300 – Public Act 084 of 2015)**

Attachment A: Calendar Year 2014 (January thru December) Family Planning Funding and Reporting Data

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Michigan Residents, 2015

Attachment A

**FAMILY PLANNING LOCAL AGENCIES EXPENDITURES
CALENDAR YEAR 2014
(JANUARY THRU DECEMBER)**

Item 1

Total Calendar Year 2014	\$9,322,505
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*Source: Michigan Administrative Information Network (MAIN) – Calendar Year 2014

**CALENDAR YEAR 2014 (JANUARY THRU DECEMBER)
FAMILY PLANNING BY SEX AND AGE**

Item 2

Age Group (Years)	Female	Male	Total
Under 15	497	28	525
15-17	6,130	80	6,210
18-19	8,802	168	8,970
20-24	23,438	877	24,315
25-29	18,464	706	19,170
30-34	10,365	422	10,787
35-39	5,139	244	5,383
40-44	2,622	212	2,834
Over 44	1,882	414	2,296
TOTAL	77,339	3,151	80,490

*Source: Family Planning Annual Report (FPAR) - Calendar Year 2014

Attachment A

**CALENDAR YEAR 2014 (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	65	323		388
Asian	29	1,135		1,164
Black or African American	218	13,586		13,804
Native Hawaiian or Other Pacific Islander	14	82		96
White	2,943	47,448		50,391
More than one race	544	1,268		1,812
Unknown/not reported	1,599	855	7,230	9,684
Total Female	5,412	64,697	7,230	77,339

*Source: Family Planning Annual Report (FPAR) - Calendar Year 2014

**CALENDAR YEAR 2014 (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	5	17		22
Asian	0	31		31
Black or African American	5	1,429		1,434
Native Hawaiian or Other Pacific Islander	1	1		2
White	61	1,089		1,150
More than one race	9	35		44
Unknown/not reported	60	30	378	468
Total Male	141	2,632	378	3,151

*Source: Family Planning Annual Report (FPAR) – Calendar Year 2014

**CALENDAR YEAR 2014 (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	50,307
101% - 150%	13,632
151% - 200%	7,249
201% - 250%	3,368
Over 250%	5,903
Unknown/Not Reported	31
Total	80,490

*Source: Family Planning Annual Report (FPAR) - Calendar Year 2014

**CALENDAR YEAR 2014 (JANUARY THRU DECEMBER)
FAMILY PLANNING BY MARITAL STATUS**

Item 6

Marital Status	Number Individuals	Estimated Expenditures
Now Married	7,530	\$872,139
Separated	1,203	\$139,334
Divorced	3,619	\$419,159
Widowed	181	\$20,964
Never Married	61,228	\$7,091,543
Not Answered	6,729	\$779,366
Total	80,490	\$9,322,505

*Source: Family Planning Annual Report (FPAR) - Calendar Year 2014

**SEXUALLY TRANSMITTED DISEASE (STD) FUNDING
FISCAL YEAR 2015
OCTOBER 1, 2014 THRU SEPTEMBER 30, 2015**

Item 1

Fund Source	Appropriation #16753
General Fund/General Purpose	\$795,900
Michigan Health Initiative	\$2,114,277
Federal Preventive Health and Health Services Block Grant	\$362,000
Federal CDC* Grant for Comprehensive STD Prevention Systems	\$2,374,834
Total FY 2015	\$5,647,011

*CDC – Centers for Disease Control and Prevention

**CLIENTS SCREENED FOR CHLAMYDIA
IN PUBLICLY SUPPORTED SITES BY AGE AND GENDER
FISCAL YEAR 2015
OCTOBER 1, 2014 THRU SEPTEMBER 30, 2015**

Item 2

Age	Chlamydia Tests Among Males		Chlamydia Tests Among Females	
	Number	Percent	Number	Percent
less than 10	1	< 1%	1	< 1%
10-14	673	2%	733	3%
15-19	5,392	19%	9,396	34%
20-24	6,810	25%	8,382	30%
25-29	5,538	20%	4,406	16%
30+	9,323	34%	4,880	18%
All ages	27,737	100%	27,798	100%

**CLIENTS SCREENED FOR GONORRHEA
IN PUBLICLY SUPPORTED SITES BY AGE AND GENDER
FISCAL YEAR 2015
OCTOBER 1, 2014 THRU SEPTEMBER 30, 2015**

Item 3

Age	Gonorrhea Tests Among Males		Gonorrhea Tests Among Females	
	Number	Percent	Number	Percent
less than 10	1	< 1%	1	< 1%
10-14	670	2%	646	3%
15-19	5,243	19%	7,376	32%
20-24	6,642	25%	6,814	29%
25-29	5,390	20%	3,903	17%
30+	9,160	34%	4,572	20%
All ages	27,106	100%	23,312	100%

**CLIENTS SCREENED FOR SYPHILIS
IN PUBLIC HEALTH LABORATORIES BY AGE AND GENDER
FISCAL YEAR 2015
OCTOBER 1, 2014 THRU SEPTEMBER 30, 2015**

Item 4

Age	Syphilis Tests Among Males		Syphilis Tests Among Females	
	Number	Percent	Number	Percent
less than 10	37	< 1%	43	< 1%
10-14	59	< 1%	49	< 1%
15-19	982	6%	1,192	10%
20-24	3,666	22%	3,239	27%
25-29	3,745	23%	2,505	21%
30+	8,061	49%	5,026	42%
All ages	16,550	100%	12,054	100%

**CLIENTS TREATED FOR CHLAMYDIA
IN PUBLICLY SUPPORTED SITES, BY AGE AND GENDER
FISCAL YEAR 2015
OCTOBER 1, 2014 THRU SEPTEMBER 30, 2015
Item 5**

Age	Chlamydia Treatment of Males		Chlamydia Treatment of Females	
	Number	Percent	Number	Percent
less than 10	9	< 1%	16	< 1%
10-14	26	< 1%	201	1%
15-19	1,827	22%	6,708	33%
20-24	2,711	33%	8,345	41%
25-29	1,921	24%	3,055	15%
30+	1,673	20%	1,932	10%
All ages	8,167	100%	20,257	100%

**CLIENTS TREATED FOR GONORRHEA
IN PUBLICLY SUPPORTED SITES, BY AGE AND GENDER
FISCAL YEAR 2015
OCTOBER 1, 2014 THRU SEPTEMBER 30, 2015
Item 6**

Age	Gonorrhea Treatment of Males		Gonorrhea Treatment of Females	
	Number	Percent	Number	Percent
less than 10	-	< 1%	3	< 1%
10-14	12	< 1%	35	1%
15-19	454	14%	957	30%
20-24	1,060	33%	1,200	37%
25-29	748	24%	550	17%
30+	908	29%	470	15%
All ages	3,182	100%	3,215	100%

**CLIENTS TREATED FOR SYPHILIS
IN PUBLICLY SUPPORTED SITES, BY AGE AND GENDER
FISCAL YEAR 2015
OCTOBER 1, 2014 THRU SEPTEMBER 30, 2015**

Item 7

Age	Syphilis Treatment of Males		Syphilis Treatment of Females	
	Number	Percent	Number	Percent
less than 10	0	< 1%	0	< 1%
10-14	0	< 1%	0	< 1%
15-19	38	4%	17	9%
20-24	174	20%	51	26%
25-29	194	23%	35	18%
30+	447	52%	92	47%
All ages	853	100%	195	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 2014.

² Satterwhite, CL, et al. Sexually transmitted infections among U.S. women and men: Prevalence and incidence estimates, 2008. *Sex Transm Dis* 2014; 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* 2014; 40(3): pp. 187-193.

Attachment B

Sexually transmitted infections are among the most common reportable communicable diseases in Michigan. In 2014, 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 Health and Human Services, Division of HIV and STD Programs, STD Section administered a budget of \$5,647,011 in fiscal year 2015. Approximately 48% of these resources were received via Federal grants from the Centers for Disease Control and Prevention, and the remaining 52% are state resources from the General Fund and Michigan Health Initiative.

The majority of the \$5.6 million dollars administered by the department continues to be 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 Health and Human Services (MDHHS) 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 Health and Human Services, Bureau of Disease Control, Prevention and Epidemiology, *Michigan Disease Surveillance System, 2014 chlamydia, gonorrhea and P & S syphilis cases*.

Attachment B

As previously stated, STIs are most prevalent among adolescents, who are quite unlikely to be married. In 2014, 73% of chlamydia cases were diagnosed in persons 25 years of age or younger. For gonorrhea, 62 percent of cases were under age 25, and 35 percent of primary and secondary syphilis cases were under age 25. Given that marriage rates increase with age, it is fair to say that the majority of individuals with STIs are not married; however we lack the data to delineate the breakdown with certainty.

To meet the requirement of this report the STI 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, 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 STI budget spent on the diagnosis and management of the three reportable diseases: chlamydia, gonorrhea, and syphilis.

Method: 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 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 syphilis case treated is ascribed a cost per unit multiplier of 100. (Item 12)

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>.

**ITEM 12: DEMOGRAPHICS OF SEXUALLY TRANSMITTED
INFECTIONS/MARITAL STATUS
FISCAL YEAR 2015
OCTOBER 1, 2014 THRU SEPTEMBER 30, 2015**

	# in 2015	Estimated Married*	Multiplier	Units of Service	Estimated Unmarried*	Multiplier	Units of Service
Chlamydia tests in publicly supported sites	55,535	15,298	1	15,298	40,237	1	40,237
Gonorrhea test in publicly supported sites	50,418	14,450	0.25	3,613	35,968	0.25	8,992
Syphilis tests in MDHHS Regional Labs	28,604	11,671	1	11,671	16,933	1	16,933
Chlamydia and Gonorrhea cases treated	34,821	7,657	1	7,657	27,164	1	27,164
Syphilis cases treated	1,048	461	100	46,100	587	100	58,700
Total	170,426	49,537		84,339	120,889		152,026

Cost Per Unit = \$23.89

*US Census Data

Based on this analysis, it is estimated that 64.5% (\$3,642,322) of the \$5,647,011 in public funds administered by the department were expended on unmarried persons, and the remaining 35.5% (\$2,004,689) served married patients. (Item 13)

**ITEM 13: ESTIMATED PUBLIC FUNDS ADMINISTERED BY THE
DEPARTMENT EXPENDED BY MARITAL STATUS
FISCAL YEAR 2015
OCTOBER 1, 2014 THRU SEPTEMBER 30, 2015**

Estimated expenditures for services to married patients	\$2,004,689	35.5%
Estimated expenditures for services to unmarried patients	\$3,642,322	64.5%
Total Funds Administered by MDHHS STD Section	\$5,647,011	100%

Attachment C

**MEDICAID EXPENSES ASSOCIATED WITH PREGNANCY AND BIRTH
FISCAL YEAR 2015**

Item 1

Total Fiscal Year 2015	\$1,045,573,411
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*Source: MDCH Community Health Automated Medicaid Claims Processing System (CHAMPS) Data Warehouse

Item 2

Fiscal Year 2015 (October 2014 to September 2015) Pregnant Women by Age on Medicaid**	
Age Group (Years)	Total Women
Under 15	95
15-17	1,762
18-19	7,018
20-24	38,984
25-29	37,481
30-34	22,094
35-39	10,311
40-44	3,524
Over 44	821
TOTAL	122,090

*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 2015 (October 2014 to September 2015) Pregnant Women by Race on Medicaid**	
Race	Total Women
American Indian or Alaska Native	1,387
Asian	624
Black or African American	33,374
Hispanic	9,740
Native Hawaiian or Other Pacific Islander	92
White	67,361
Unknown/not reported	9,512
Total	122,090

*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, 2015*		\$1,045,573,411
Actual Medicaid Birth by Marital Status, 2014**		2014 Estimated Expenditures by Marital Status***
Married	15,590	\$334,396,453
Unwed	33,156	\$711,176,958
TOTAL	48,746	\$1,045,573,411

*Source: MDCH CHAMPS Data Warehouse

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

***Source: Applied 2014 Medicaid birth proportion as reported by Vital Records and Health Statistics Section to 2015 Actual Expenditures by Medicaid Status to estimate expenditures for married and unwed