

Sexually Transmitted Diseases Monthly Report for Nashville/Davidson County

STD/HIV Intervention and Prevention Program of Metro Public Health Department



Metro Public Health Dept
Nashville/Davidson County
Protecting, Improving, and Sustaining Health

Summary of Reported Cases August 2014

Note: Data are provisional as of November 10, 2014. Percentages are rounded to the nearest whole number.

There were 515 cases of chlamydia, gonorrhea and syphilis reported; a 13% increase from July 2014.

62% of chlamydia cases and 56% of gonorrhea cases were among persons ages 15-24 years. The median age of reported syphilis cases was 32 years.

79% of chlamydia and primary and secondary

syphilis cases were diagnosed by private MD/HMO; 32% of gonorrhea cases were diagnosed in STD clinics.

For the Year to Date (August 2014), 4% of persons reported with an STD were coinfected* with HIV, among them, 4% were concurrently coinfected**.

* Coinfection is the prior diagnosis of HIV at any time in someone diagnosed with an STD.

** Concurrent coinfection is the existence of one or more STDs and HIV that were diagnosed within 30 days of each other.

Picture: Gonorrhea eye infection.
From Science Photo Library



MPHD STD/HIV Program Data: August 2014

1,472 patients made 1,648 visits, receiving an average of 3.7 (median of 2.0) services per visit in the STD Clinic. There were 6,249 procedures for these clients. We diagnosed 84 chlamydia cases, 31 gonorrhea cases, and 8 syphilis* cases (2 primary or secondary, 2 early latent, 4 latent & late latent).

169 patients received services through STD Outreach. There were 771 procedures for these clients. We diagnosed 4 chlamydia, 1 gonorrhea,

and 0 syphilis cases.

577 people received 579 services at the jail.

We conducted 597 RPRs (syphilis tests), 1,302 HIV tests, and 793 GenProbes (tests for chlamydia and gonorrhea).

* Not including congenital and neurosyphilis cases.

Table 1. MPHD HIV Testing

	Number of Tests	Number of New Positives		Number of Tests	Number of New Positives
TOTAL	1,302	6	Hispanic	85	0
Male	860	6	NH Black	732	4
Female	442	0	NH White	465	2
Transgender	0	0	Other	0	0
Native American	1	0	Unknown	3	0
NH Asian/Pacific Islander	0	0	Local sero-positive rate: 0.5%		

Sero-positivity rate is the percentage of positive tests that detect new cases, out of all screening tests performed.

Errata:

In the table 2 on page 2 of volume 3, issue 1, columns headings December 2014 and December 2013 should read July 2014 and July 2013 respectively.

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Table 2. STD Reported Cases and Rates, September 2013 through August 2014

	All STDs		Chlamydia		Gonorrhea		All Stages Syphilis		Early Syphilis		Late Syphilis		HIV/AIDS	
	N	Rate	N	Rate	N	Rate	N	Rate	N	Rate	N	Rate	N	Rate
Age Group														
10-14	38	104.0	35	95.8	3	8.2	0	0.0	0	0.0	0	0.0	0	0.0
15-19	1,268	3,352.5	1,050	2,776.1	213	563.1	5	13.2	1	2.6	4	10.6	7	18.5
20-24	2,217	4,283.6	1,697	3,278.8	485	937.1	35	67.6	18	34.8	17	32.8	31	59.9
25-29	1,085	1,649.3	800	1,216.0	250	380.0	35	53.2	20	30.4	15	22.8	35	53.2
30-34	556	940.1	379	640.8	144	243.5	33	55.8	18	30.4	15	25.4	22	37.2
35-44	343	375.6	198	216.8	91	99.6	54	59.1	17	18.6	37	40.5	39	42.7
45-54	160	192.3	71	85.3	49	58.9	40	48.1	22	26.4	18	21.6	19	22.8
55-64	45	59.2	20	26.3	14	18.4	11	14.5	6	7.9	5	6.6	10	13.2
65+	5	7.1	1	1.4	1	1.4	3	4.2	2	2.8	1	1.4	4	5.6
All	5,717	998.6	4,251	742.5	1,250	218.3	216	37.7	104	18.2	112	19.6	167	29.2
Race/Ethnicity														
Hispanic	312	629.3	255	514.4	35	70.6	22	44.4	8	16.1	14	28.2	10	20.2
NH Black	3,739	2,411.8	2,735	1,764.2	892	575.4	112	72.2	53	34.2	59	38.1	112	72.2
NH White	1,297	382.9	974	287.5	252	74.4	71	21.0	41	12.1	30	8.9	42	12.4
Other/Unk	363	1,246.2	282	968.1	70	240.3	11	37.8	2	6.9	9	30.9	3	10.3
All	5,711	997.5	4,246	741.6	1,249	218.2	216	37.7	104	18.2	112	19.6	167	29.2
Disease by Gender														
Female	3,375	1,139.7	2,869	968.9	501	169.2	26	8.8	8	2.7	18	6.1	24	8.1
Male	2,277	823.9	1,379	498.9	747	270.3	190	68.7	96	34.7	94	34.0	143	51.7
All	5,652	987.2	4,191	732.0	1,262	220.4	203	35.5	96	16.8	107	18.7	167	29.2

Source: PRISM (Patient Reporting Investigating Surveillance Manager) for STDs and EHARS (Electronic HIV/AIDS Reporting System) for HIV as of 09/16/2014

Table 3. Reported STD Morbidity, 2013 and 2014 Davidson County, TN

Disease	August 2014	August 2013	Percent Change	Cumulative 2014	Cumulative 2013	Percent Change
Chlamydia	397	338	17.5%	2,929	2,676	9.5%
Gonorrhea	98	113	-13.3%	831	874	-4.9%
Syphilis, Total	20	15	33.3%	153	122	25.4%
Early Syphilis	12	6	100.0%	68	62	9.7%
Syphilis, P & S	5	2	150.0%	34	26	30.8%
Syphilis, Early Latent	7	4	75.0%	34	36	-5.6%
Latent & LL ¹	8	9	-11.1%	83	58	43.1%
Congenital & Late Syphilis ²	0	0	0.0%	2	2	0.0%
Total Reported	515	466	10.5%	3,913	3,672	6.6%

Note: Data are subject to change due to updates and upon validation by the Tennessee Department of Health. Cumulative refers to total counts for the year listed through the end of the month listed in the report.

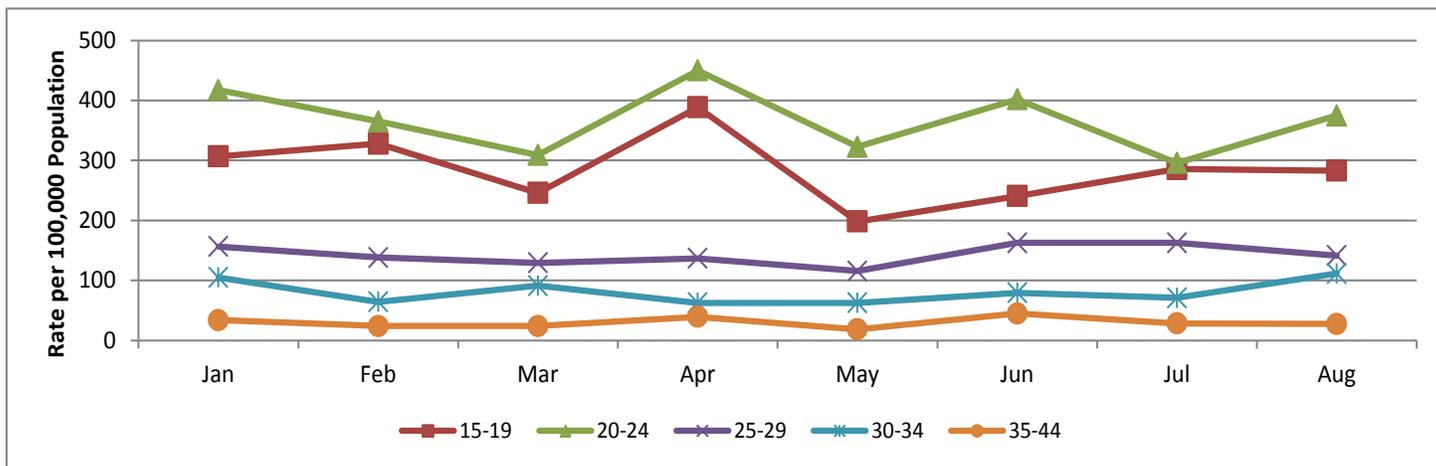
Source: PRISM (Patient Reporting Investigation Surveillance Manager) as of November 10, 2014.

¹Including Latent syphilis (of unknown duration), and Late Latent syphilis.

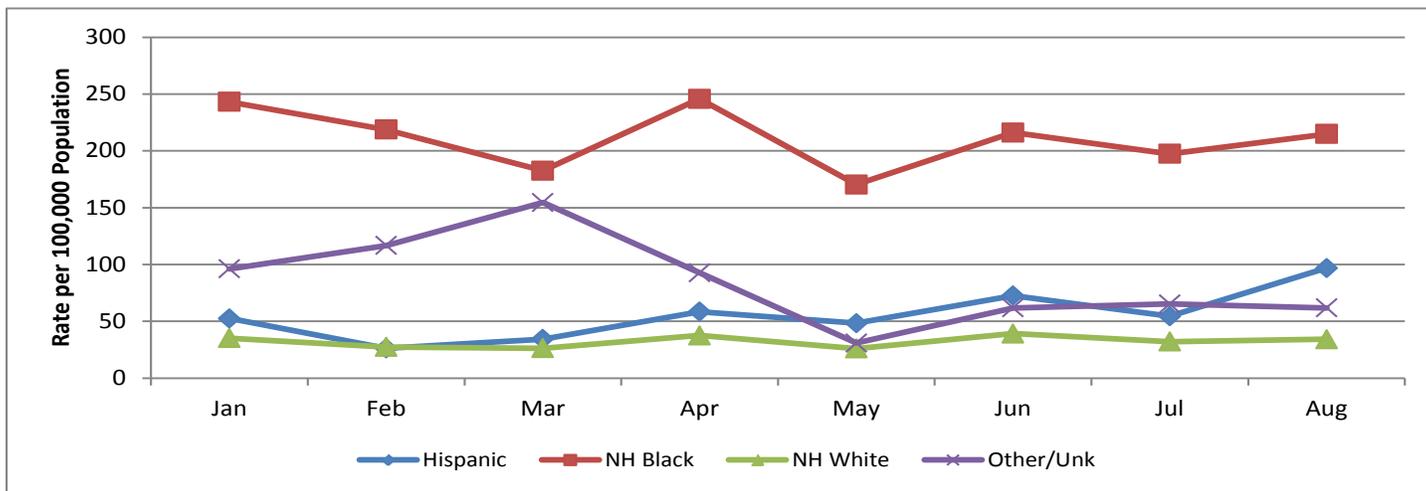
²Including congenital syphilis, neurosyphilis, and late syphilis with symptomatic manifestations.

Figure 1. Year-to-Date Monthly Trends of STDs (Chlamydia, Gonorrhea and Syphilis), Davidson County, TN 2014

Monthly Trend by Age Group



Monthly Trend by Race



Monthly Trend by Gender

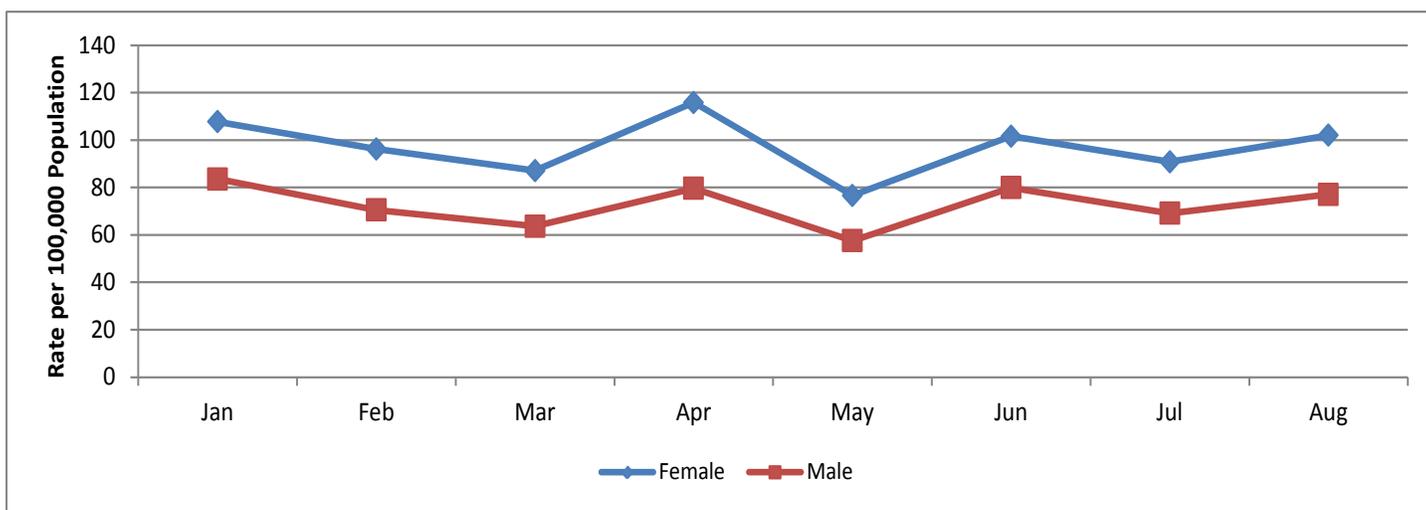
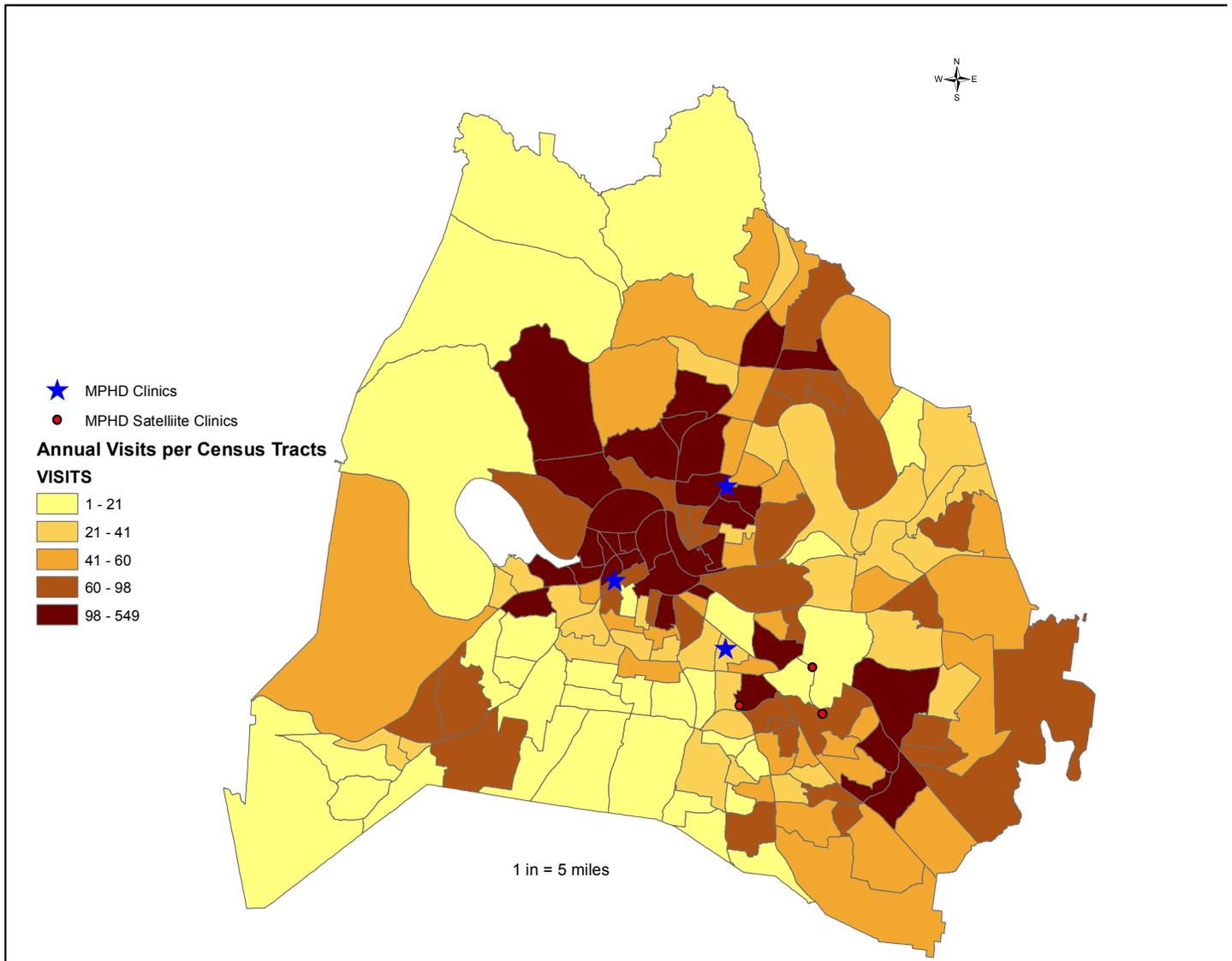


Figure 2. Residential Areas of Clients using Metro Health Department's STD Clinic: August 2013 though July 2014



Data Source: PTBMIS 01Aug2013 through 31July2014

This map is for visits only. Not every visit results in diagnosis of STD. Most people diagnosed with STDs are seen outside of the health department clinics.

Figure 3. Yearly Cases of Primary & Secondary Syphilis, Davidson County, TN:2004–2013

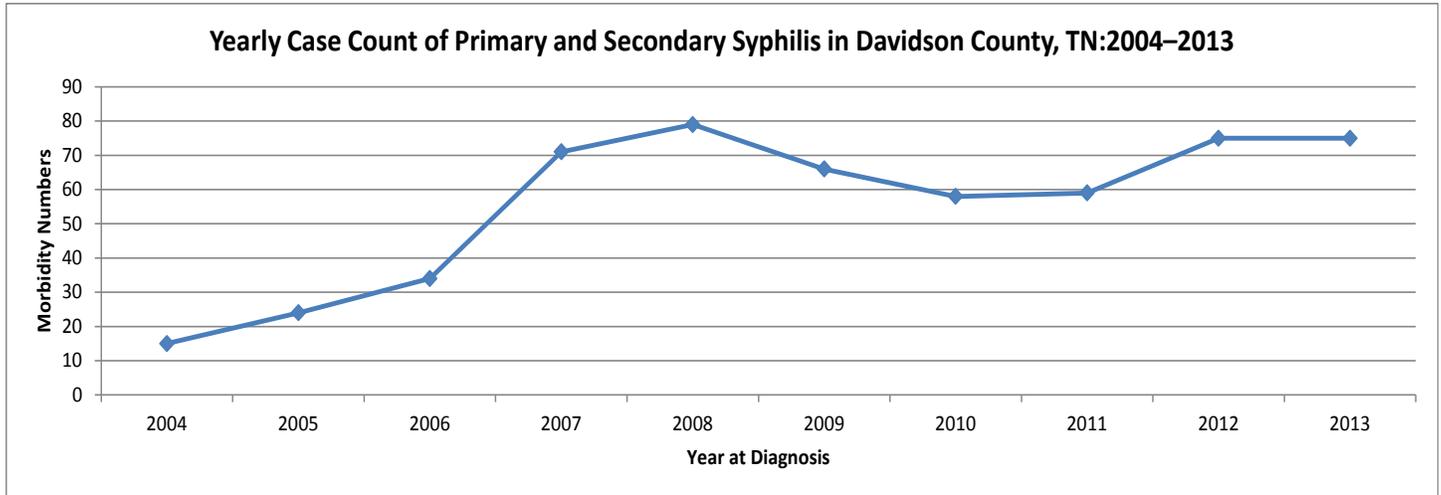
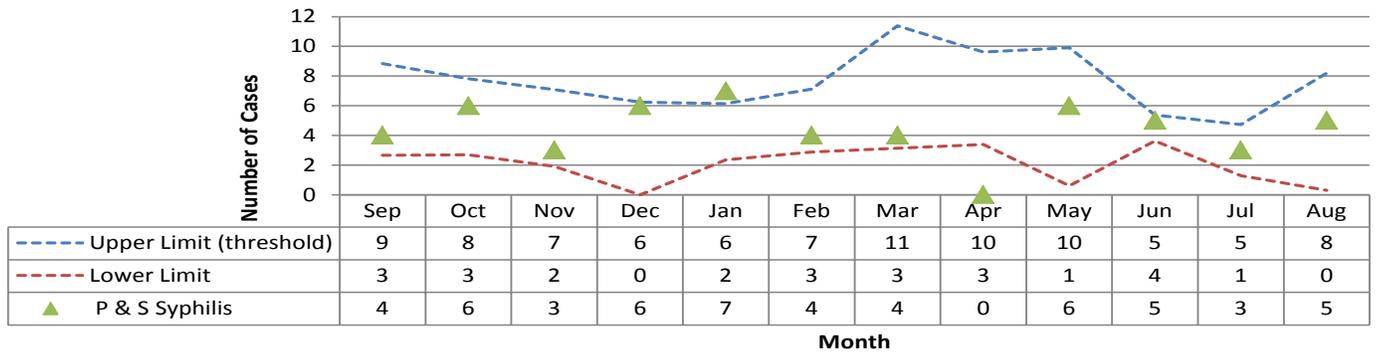


Figure 4. Primary & Secondary Syphilis Cases in the Last 12 Months



Note: Each range between lower limit and upper limit is calculated based on formula: Mean \pm 1.5 SD. Mean is average of number of P & S syphilis cases reported in the same months for previous 4 years (48 months), not including past 12 months, and SD is standard deviation.

Table 4. Reported Sexually Transmitted Diseases, Davidson County, TN 2004–2013

Year	Chlamydia		Gonorrhea		Syphilis									
					Syphilis All Stages		P&S		Early Latent		Latent & Late Latent		Congenital or Late	
	N	Rate	N	Rate	N	Rate	N	Rate	N	Rate	N	Rate	N	Rate
2004	2664	466.4	1221	213.8	164	28.7	15	2.6	22	3.9	124	21.7	3	...
2005	2819	490.8	1116	194.3	144	25.1	24	4.2	21	3.7	99	17.2	0	0
2006	2978	514.6	1311	226.5	166	28.7	34	5.9	36	6.2	96	16.6	0	0
2007	3038	521.5	1290	221.5	206	35.4	71	12.2	41	7.0	94	16.1	0	0
2008	3526	561.3	1124	178.9	240	38.2	79	12.6	46	7.3	115	18.5	0	0
2009	3569	561.4	847	133.2	246	38.6	66	10.4	58	9.1	121	19.0	1	...
2010	3471	559.3	960	154.7	198	31.9	58	9.3	53	8.5	87	14.0	0	0
2011	4019	647.6	1235	199.0	164	26.4	59	9.5	27	4.4	78	12.6	0	0
2012	3837	591.9	1309	201.9	227	35.0	75	11.6	42	6.5	107	16.5	3	..
2013	4004	617.6	1297	200.1	183	28.2	42	6.5	52	8.0	89	13.7	0	...

Data Source: 2004–2005 case counts from NETSS (National Electronic Telecommunications System for Surveillance), Tennessee Department of Health, HIV/AIDS/STD Surveillance and Data Management; 2006–2013 case counts from PRISM (Patient Reporting Investigation Surveillance Manager), Metro Public Health Department. Rates are per 100,000 population.

Highlights for this Month

- 1) For this reporting year period, young adults in 20-24 years had the highest rate of STDs overall and in each disease categories. Adolescents (age group 15-19 years old) had the second highest rate of all STDs and of chlamydia and gonorrhea. The second highest rate for syphilis was among those in age group 30-34 years old while those 24-29 year old had the second highest HIV rate. (Table 2)
- 2) The rate of either STDs or HIV among non-Hispanic blacks was 6 times that of non-Hispanic whites and 4 times that of Hispanics. (Table 2)
- 3) For this calendar year-to-date, the month of May had the lowest number of STD diagnosed. The highest was in April. Adolescents had the second highest incidence of STDs for the one year reporting period, and for this year-to-date. The highest incidence of STDs was recorded among females. (Figure 1). However, the rate for gonorrhea or syphilis among males almost double that of females. (Table 2)

Metro Nashville Public Health Department
2500 Charlotte Avenue
Nashville, TN 37209

The STD/HIV clinic at Metro Public Health
Department is located at:

Suite I10
Lentz Public Health Center
2500 Charlotte Avenue
Nashville, TN 37209

(615) 340-5670

Clinic Hours

Monday–Friday

8:00 AM–4:30 PM, patient cut-off: 3:30 PM,

Walk-in service is provided.

The cost for:

STD examination and treatment is \$10;

HIV and syphilis tests are free;

All services for Youth aged 13-17 years are free.

ALL SERVICES ARE CONFIDENTIAL.

We're on the web!
<http://health.nashville.gov/HealthData>

If you have any questions about this report, please contact

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Do You Know? --- Who is at risk for getting chlamydia?

Anyone who has sex can get chlamydia through unprotected vaginal, anal, or oral sex. However, sexually active young people are at a higher risk of getting chlamydia. This is due to behaviors and biological factors common among young people. Gay, bisexual, and other men who have sex with men are also at risk since chlamydia can be spread through oral and anal sex.

Have an honest and open talk with your health care provider and ask whether you should be tested for chlamydia or other STDs. If you are a sexually active woman aged 25 years or younger, you should get a test for chlamydia every year. Gay, bisexual, and men who have sex with men; as well as pregnant women should also be tested for chlamydia. **(Center for Disease Control and Prevention. <http://m.cdc.gov/en/HealthSafetyTopics/DiseasesConditions/STDs/chlamydiaFS#a3.htm>)**