

# 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 July 2014

Note: Data are provisional as of September 16, 2014. Percentages are rounded to the nearest whole number.

There were 456 cases of chlamydia, gonorrhea and syphilis reported; a 14.0% decrease from June 2014.

59% of chlamydia cases and 56% of gonorrhea cases were among persons ages 15-24 years. The median age of reported syphilis cases was 31 years.

78% 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 (July 2014), 3% of persons reported with an STD were coinfect<sup>\*</sup>ed with HIV with less than 1% concurrently coinfect<sup>\*\*</sup>ed.

<sup>\*</sup> Coinfection is the prior diagnosis of HIV at any time in someone diagnosed with an STD.

<sup>\*\*</sup> Concurrent coinfection is the existence of one or more STDs and HIV the diagnosed within 30 days of each other.

Picture: Venereal disease poster, 1940s.  
From Science Photo Library



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## MPHD STD/HIV Program Data: July 2014

1,144 patients made 1,255 visits, receiving an average of 3.7 (median of 2.0) services per visit in the STD Clinic. There were 4,714 procedures for these clients. We diagnosed 58 chlamydia cases, 30 gonorrhea cases, and 4 syphilis\* cases (1 primary or secondary, 1 early latent, 2 latent & late latent).

64 patients received services through STD Outreach. There were 310 procedures for these clients. We diagnosed 0 chlamydia, 0 gonorrhea,

and 0 syphilis cases.

439 people received 443 services at the jail.

We conducted 469 RPRs (syphilis tests), 952 HIV tests, and 534 GenProbes (tests for chlamydia and gonorrhea).

<sup>\*</sup> 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	952	4	Hispanic	51	0
Male	634	4	NH Black	502	3
Female	318	0	NH White	392	1
Transgender	0	0	Other	0	0
Native American	1	0	Unknown	2	0
NH Asian/Pacific Islander	0	0	Local sero-positive rate: 0.4%		

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

### Errata:

*The graph on page 2 under "Yearly Count of Primary & Secondary Syphilis Cases, Davidson County, TN:2004–2013" in issues 8 to 12 of Volume 2, represented cases of syphilis in all stages instead of Primary and Secondary syphilis only.*

Table 2. STD Reported Cases and Rates, August 2013 through July 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	40	109.5	33	90.3	7	19.2	0	0.0	0	0.0	0	0.0	0	0.0
15-19	1,283	3,392.1	1048	2,770.8	230	608.1	5	13.2	1	2.6	4	10.6	7	18.5
20-24	2,196	4,243.0	1681	3,247.9	479	925.5	36	69.6	18	34.8	18	34.8	31	59.9
25-29	1,076	1,635.6	786	1,194.8	261	396.7	29	44.1	18	27.4	11	16.7	35	53.2
30-34	530	896.1	356	601.9	142	240.1	32	54.1	16	27.1	16	27.1	21	35.5
35-44	340	372.3	205	224.5	93	101.8	45	49.3	14	15.3	31	33.9	39	42.7
45-54	146	175.5	68	81.7	36	43.3	42	50.5	21	25.2	21	25.2	22	26.4
55-64	40	52.6	16	21.0	14	18.4	11	14.5	6	7.9	5	6.6	11	14.5
65+	6	8.5	1	1.4	2	2.8	3	4.2	2	2.8	1	1.4	4	5.6
All	5,657	988.1	4194	732.6	1264	220.8	203	35.5	96	16.8	107	18.7	170	29.7
Race/Ethnicity														
Hispanic	283	570.8	236	476.0	31	62.5	16	32.3	6	12.1	10	20.2	10	20.2
NH Black	3,692	2,381.5	2680	1,728.7	904	583.1	111	71.6	52	33.5	59	38.1	113	72.9
NH White	1,295	382.3	976	288.1	254	75.0	66	19.5	37	10.9	29	8.6	44	13.0
Other/Unk	381	1,308.0	297	1,019.6	74	254.0	10	34.3	1	3.4	9	30.9	3	10.3
All	5,651	987.1	4189	731.7	1263	220.6	203	35.5	96	16.8	107	18.7	170	29.7
Disease by Gender														
Female	3,375	1,139.7	2822	953.0	526	177.6	28	9.5	8	2.7	20	6.8	24	8.1
Male	2,277	823.9	1369	495.3	736	266.3	175	63.3	88	31.8	87	31.5	146	52.8
All	5,652	987.2	4191	732.0	1262	220.4	203	35.5	96	16.8	107	18.7	170	29.7

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	December 2014	December 2013	Percent Change	Cumulative 2014	Cumulative 2013	Percent Change
Chlamydia	335	313	7.0%	2534	2338	8.4%
Gonorrhea	102	99	3.0%	731	761	-3.9%
Syphilis, Total	19	12	58.3%	125	107	16.8%
Early Syphilis	9	8	12.5%	54	56	-3.6%
Syphilis, P & S	3	2	50.0%	28	24	16.7%
Syphilis, Early Latent	6	6	0.0%	26	32	-18.8%
Latent & LL <sup>1</sup>	10	3	233.3%	69	49	40.8%
Congenital & Late Syphilis <sup>2</sup>	0	1	-100.0%	2	2	0.0%
Total Reported	456	424	7.5%	3390	3206	5.7%

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.

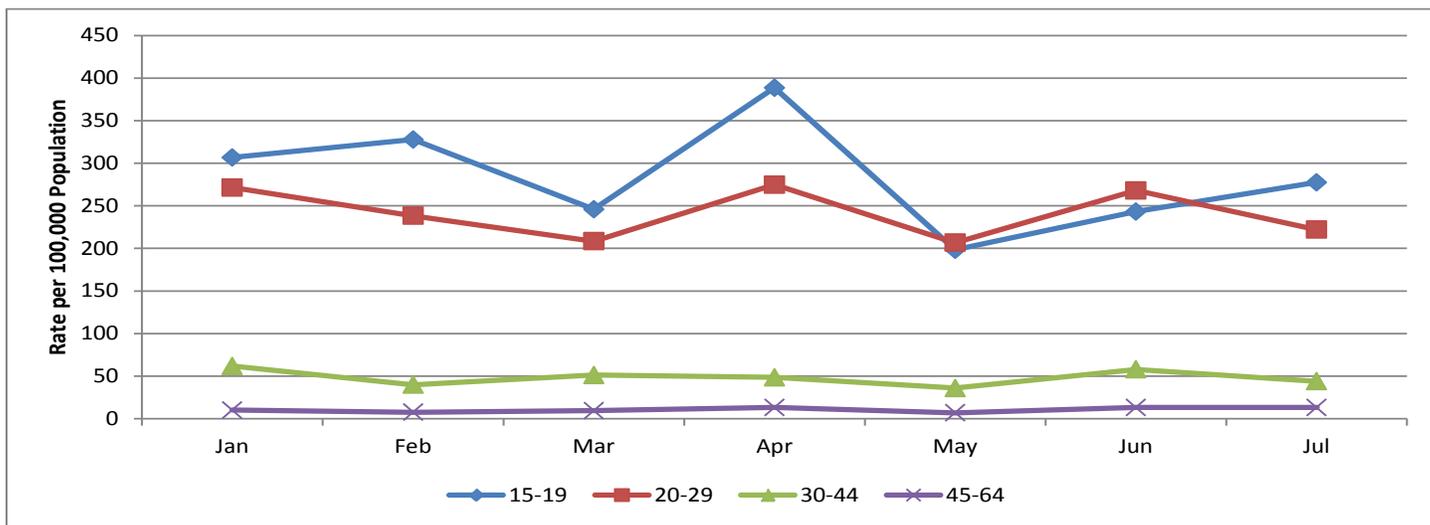
Source: PRISM (Patient Reporting Investigation Surveillance Manager) as of September 16, 2014.

<sup>1</sup>Including Latent syphilis (of unknown duration), and Late Latent syphilis.

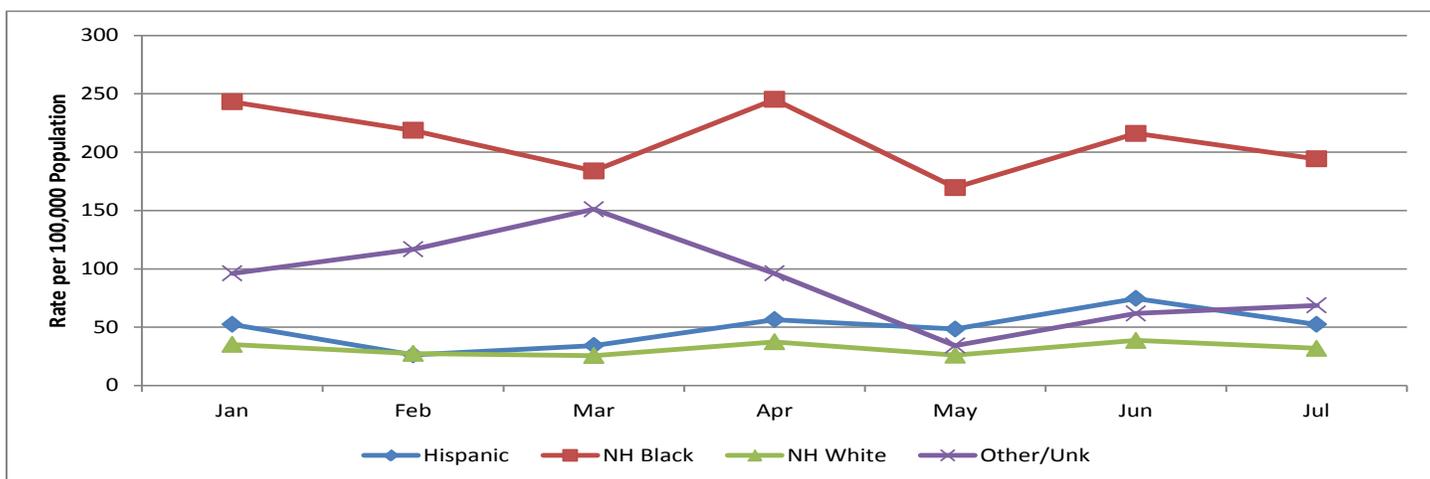
<sup>2</sup>Including congenital syphilis, neurosyphilis, and late syphilis with symptomatic manifestations.

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

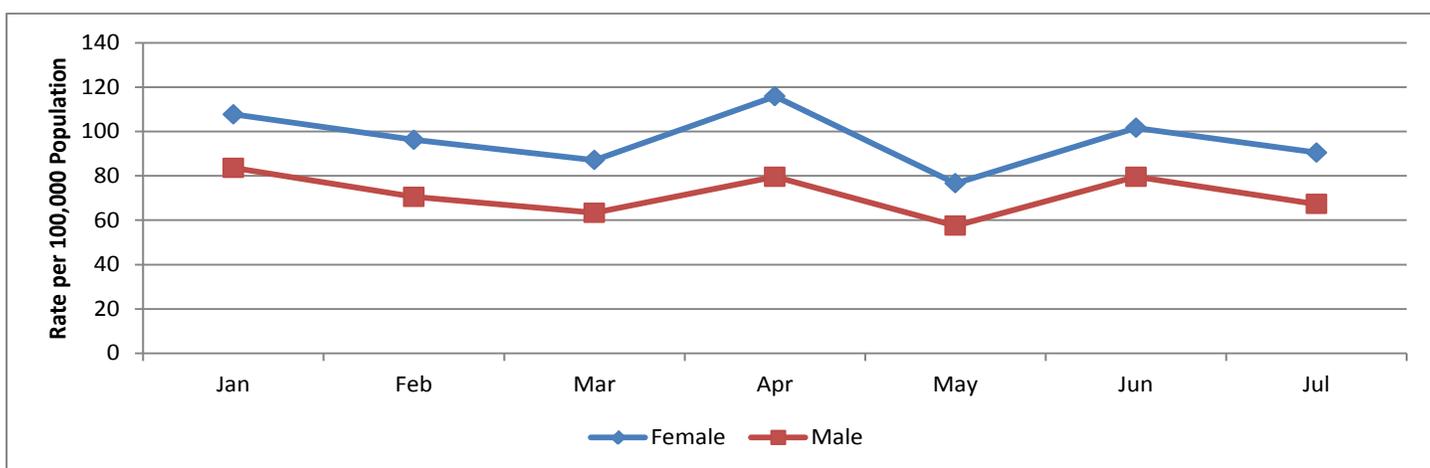
Monthly Trend by Age Group



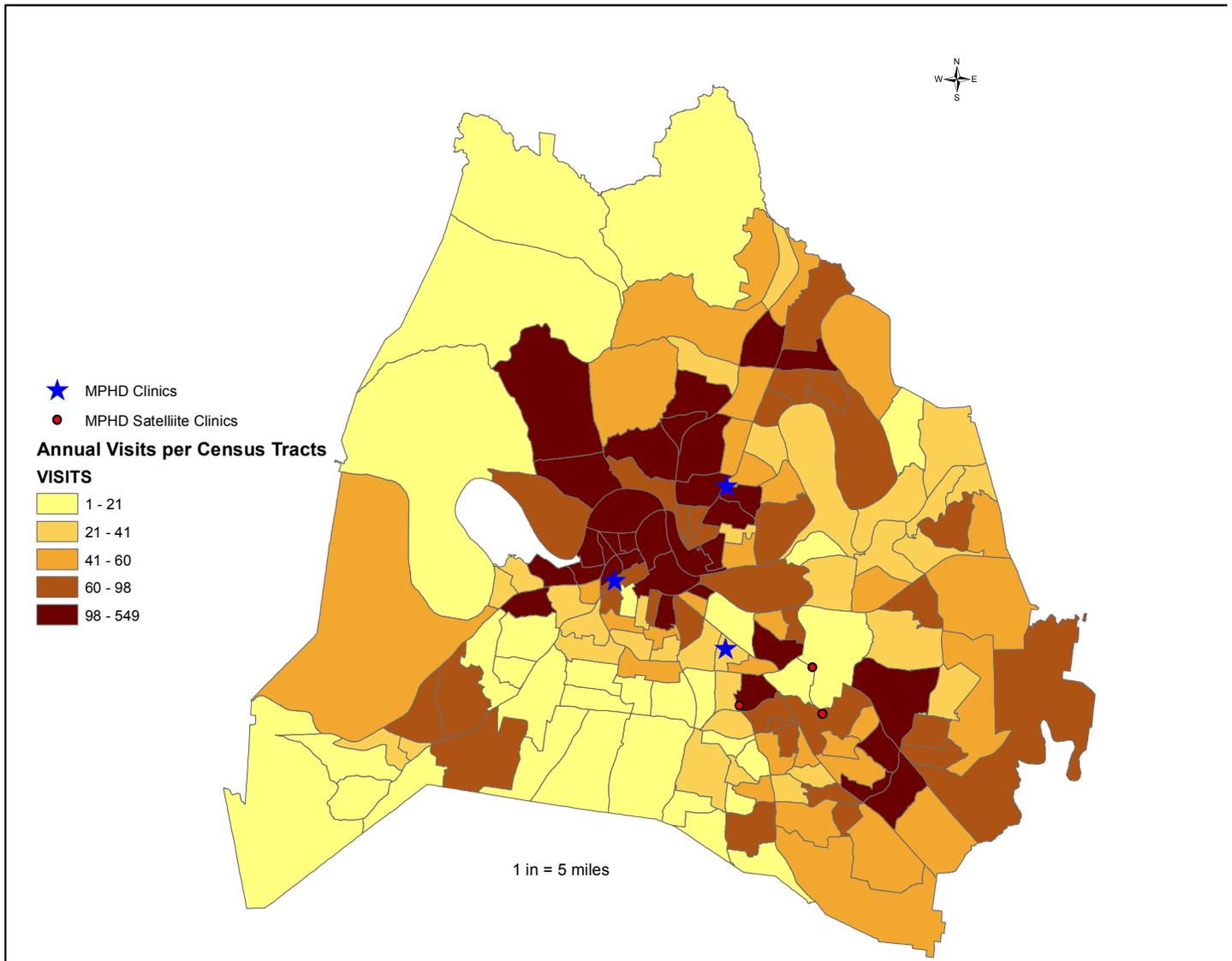
Monthly Trend by Race



Monthly Trend by Gender



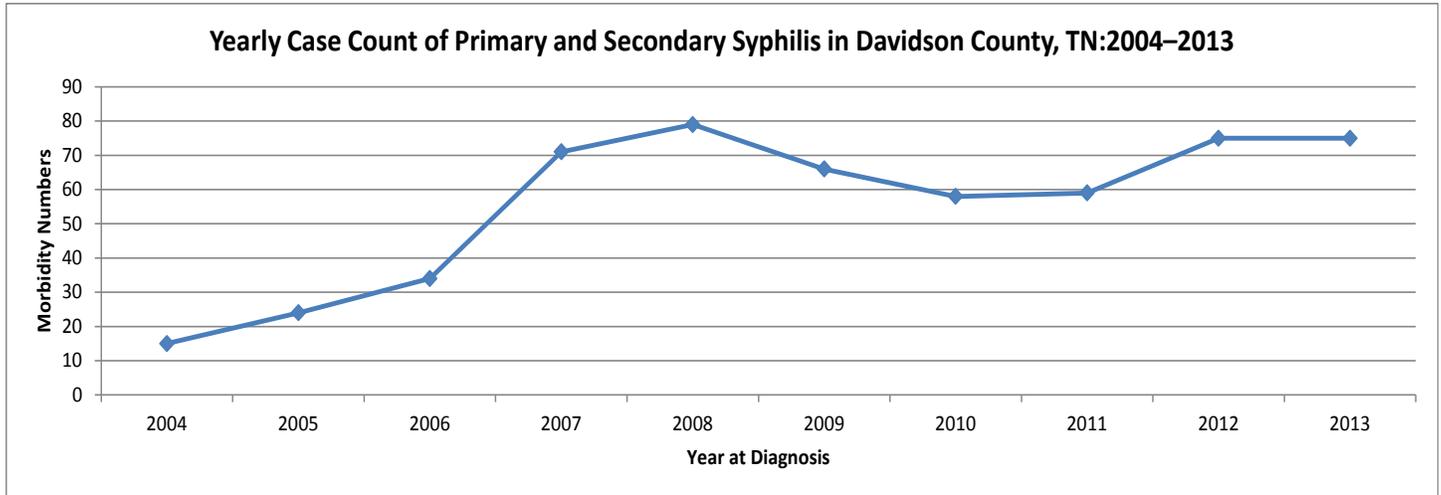
**Figure 2. Residential Areas of Clients using Metro Health Department's STD Clinic: August 2013 though July 2014**



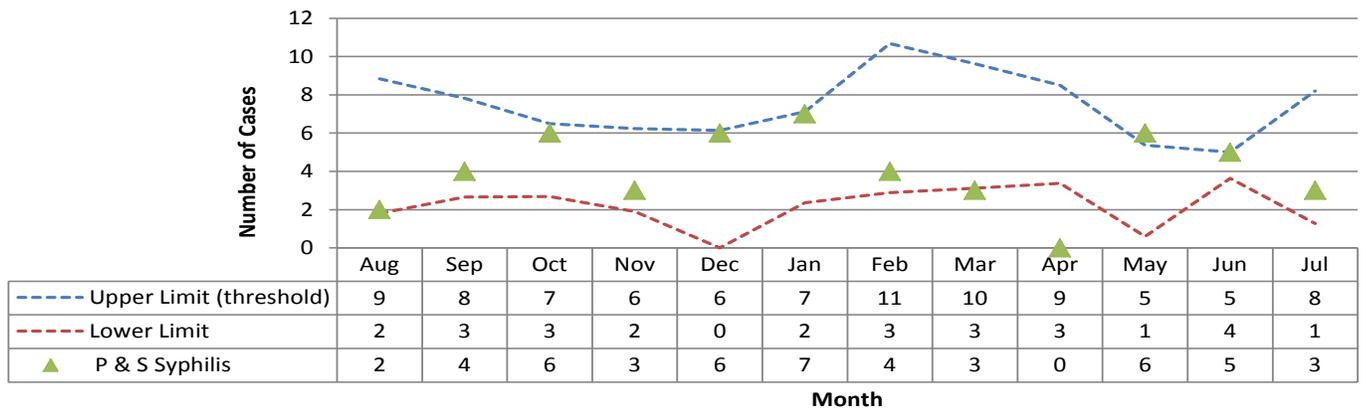
Data Source: PTBMIS 01Aug2013 through 31July2014

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 Case Count 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 ± 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 2003–2012**

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
2003	2653	466.2	1492	262.2	195	34.3	21	3.7	25	4.4	149	26.2	0	0
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	...

Data Source: 2003–2005 case counts from NETSS (National Electronic Telecommunications System for Surveillance), Tennessee Department of Health, HIV/AIDS/STD Surveillance and Data Management; 2006–2012 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 diseases 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 Hispanic. (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. Although adolescents had the second highest incidence of STDs for the one year period, they had the highest incidence 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)
- 4) Most clients for the MPH D clinic are concentrated in the central part of the county, in areas known as North Nashville and East Nashville, but also in the south east area of Davidson County. (figure 4)

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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**Welcome to Volume 3 of our newsletter**

We are starting a new volume for our monthly publications with this edition. We have added new information regarding incidence, trends and geographic origin of clients for the MPH's STD Clinic. We hope you will enjoy it and thank you for your support.