

# 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

Picture: Syphilitic man shoeing prostitutes from his bedroom: 19th century artwork.  
From Science Photo Library



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## Summary of Reported Cases September 2014

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

There were 497 cases of chlamydia, gonorrhea and syphilis reported; a 3% decrease from August 2014.

62% of chlamydia cases and 52% of gonorrhea cases were among persons ages 15-24 years. The median age of reported syphilis cases was 22 years.

70% of chlamydia, gonorrhea and primary and

secondary syphilis cases were diagnosed by private MD/HMO; the other 30% of cases were diagnosed in STD clinics.

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

\* 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.

## MPHD STD/HIV Program Data: September 2014

2,137 patients made 2,358 visits, receiving an average of 3.0 (median of 2.0) services per visit in the STD Clinic. There were 7,196 procedures for these clients. We diagnosed 98 chlamydia cases, 45 gonorrhea cases, and 3 syphilis\* cases, all of them primary or secondary.

472 patients received services through STD Outreach. There were 1,377 procedures for these clients. We diagnosed 15 chlamydia, 1 gonorrhea, and no syphilis cases.

764 people received 772 services at the jail.

We conducted 585 RPRs (syphilis tests), 1,993 HIV tests, and 837 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	1,993	10	Hispanic	87	0
Male	1,144	9	NH Black	1,286	9
Female	849	1	NH White	574	1
Transgender	0	0	Other	12	0
Native American	1	0	Unknown	9	0
NH Asian/Pacific Islander	24	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.

**Table 2. STD Reported Cases and Rates, October 2013 through September 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	34	93.0	32	87.6	2	5.5	0	0.0	0	0.0	0	0.0	1	2.7
15-19	1,278	3,378.9	1,067	2,821.0	206	544.6	5	13.2	1	2.6	4	10.6	6	15.9
20-24	2,251	4,349.3	1,714	3,311.7	501	968.0	36	69.6	18	34.8	18	34.8	34	65.7
25-29	1,097	1,667.5	809	1,229.7	254	386.1	34	51.7	19	28.9	15	22.8	37	56.2
30-34	575	972.2	400	676.3	142	240.1	33	55.8	19	32.1	14	23.7	20	33.8
35-44	350	383.2	207	226.7	92	100.7	51	55.8	16	17.5	35	38.3	40	43.8
45-54	159	191.1	70	84.1	50	60.1	39	46.9	22	26.4	17	20.4	19	22.8
55-64	42	55.2	20	26.3	12	15.8	10	13.2	5	6.6	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	5	7.1
All	5,791	1,011.5	4,320	754.6	1,260	220.1	211	36.9	102	17.8	109	19.0	172	30.0
Race/Ethnicity														
Hispanic	318	641.4	256	516.4	41	82.7	21	42.4	7	14.1	14	28.2	12	24.2
NH Black	3,803	2,453.1	2,799	1,805.4	891	574.7	113	72.9	55	35.5	58	37.4	113	72.9
NH White	1,322	390.2	998	294.6	257	75.9	67	19.8	38	11.2	29	8.6	44	13.0
Other/Unk	342	1,174.1	262	899.4	70	240.3	10	34.3	2	6.9	8	27.5	3	10.3
All	5,785	1,010.5	4,315	753.7	1,259	219.9	211	36.9	102	17.8	109	19.0	172	30.0
Disease by Gender														
Female	3,436	1,160.3	2,905	981.0	505	170.5	26	8.8	7	2.4	19	6.4	26	8.8
Male	2,351	850.6	1,413	511.2	753	272.4	185	66.9	95	34.4	90	32.6	146	52.8
All	5,787	1,010.8	4,318	754.2	1,258	219.7	211	36.9	102	17.8	109	19.0	172	30.0

Source: PRISM (Patient Reporting Investigating Surveillance Manager) for STDs and EHARS (Electronic HIV/AIDS Reporting System) for HIV as of 11/10/2014

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

Disease	September 2014	September 2013	Percent Change	Cumulative 2014	Cumulative 2013	Percent Change
Chlamydia	362	293	23.5%	3,291	2,969	10.8%
Gonorrhea	124	114	8.8%	955	988	-3.3%
Syphilis, Total	11	16	-31.3%	164	138	18.8%
Early Syphilis	7	9	-22.2%	75	71	5.6%
Syphilis, P & S	1	4	-75.0%	41	30	36.7%
Syphilis, Early Latent	6	5	20.0%	34	41	-17.1%
Latent & LL <sup>1</sup>	4	7	-42.9%	87	65	33.8%
Congenital & Late Syphilis <sup>2</sup>	0	0	0.0%	2	2	0.0%
Total Reported	497	423	17.5%	4,410	4,095	7.7%

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.

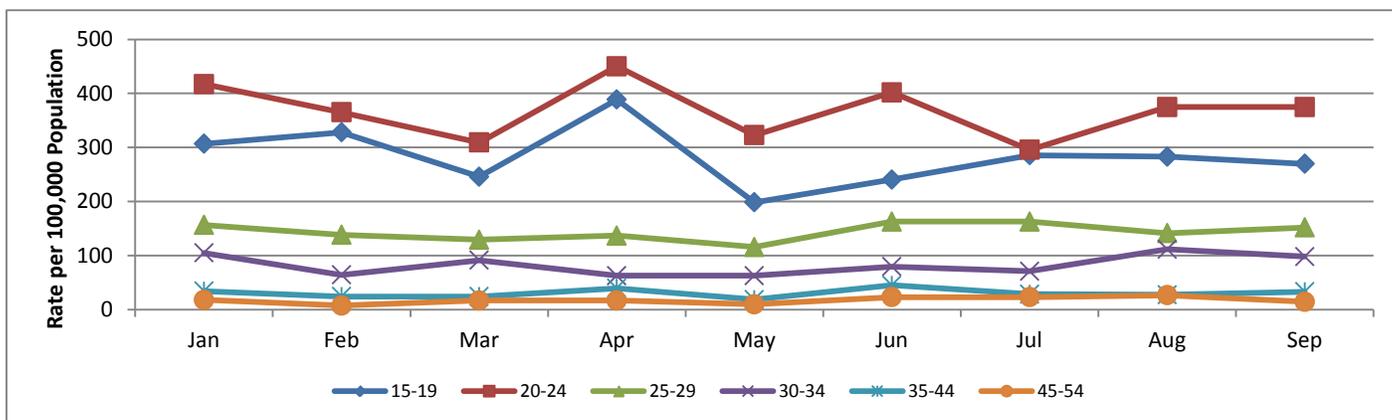
Source: PRISM (Patient Reporting Investigation Surveillance Manager) as of November 10, 2014.

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

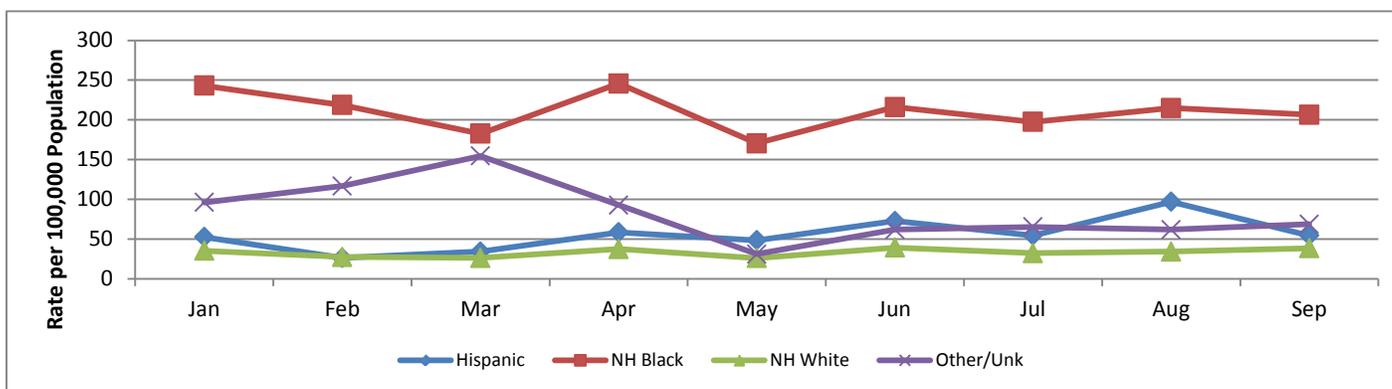
<sup>2</sup>Including congenital syphilis, neurosyphilis, and late syphilis with symptomatic manifestations.

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

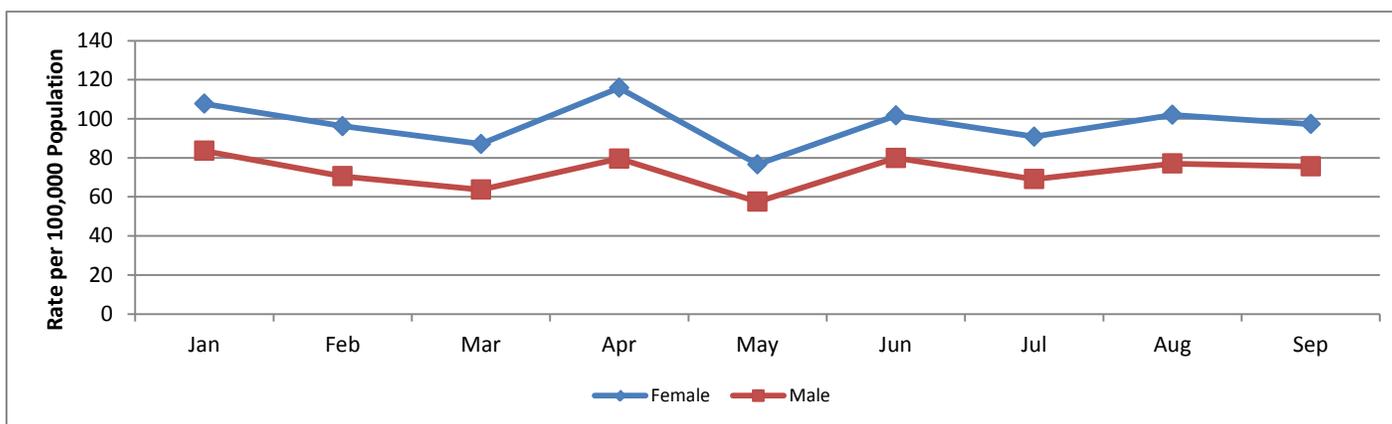
**Monthly Trend by Age Group**



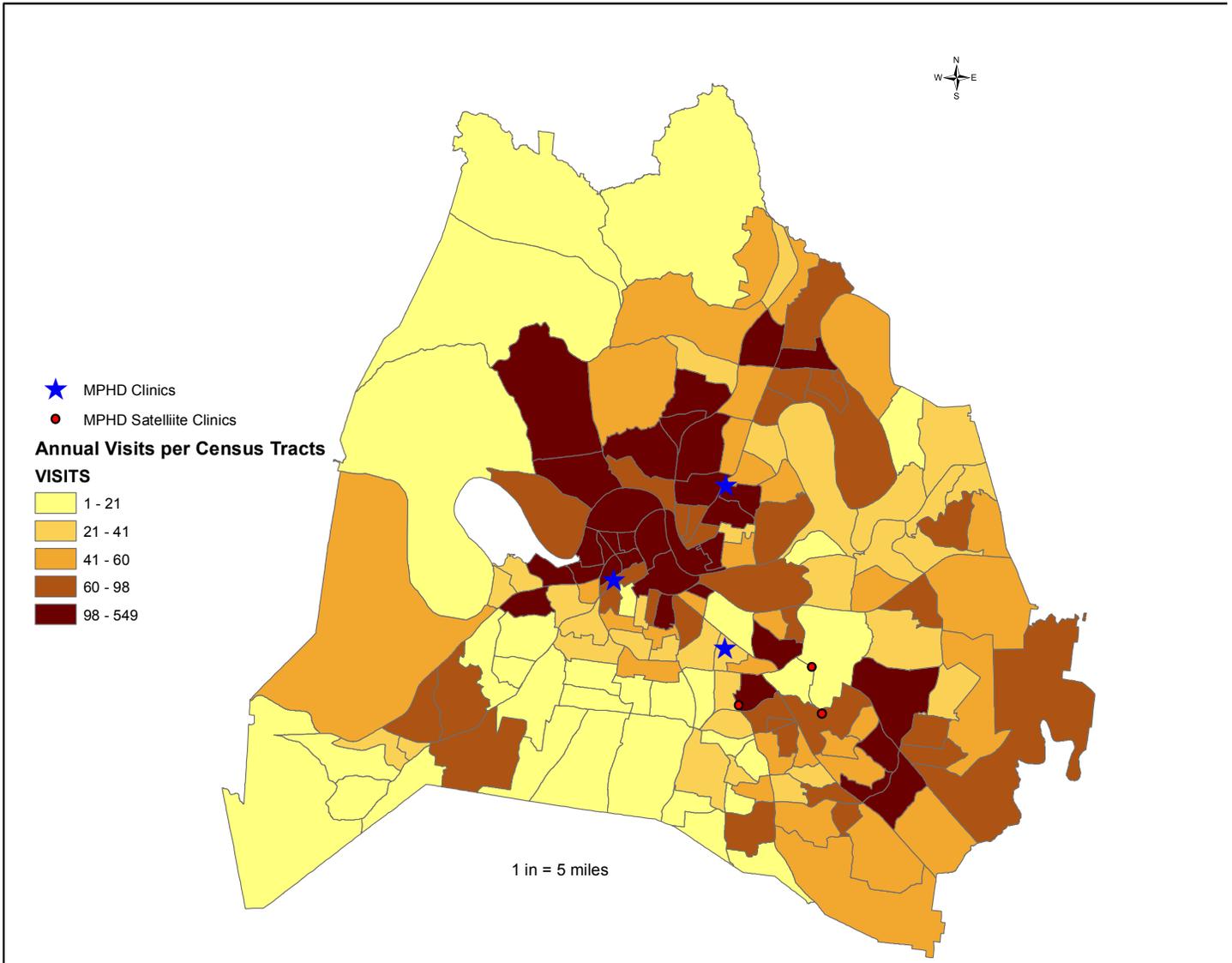
**Monthly Trend by Race**



**Monthly Trend by Gender**



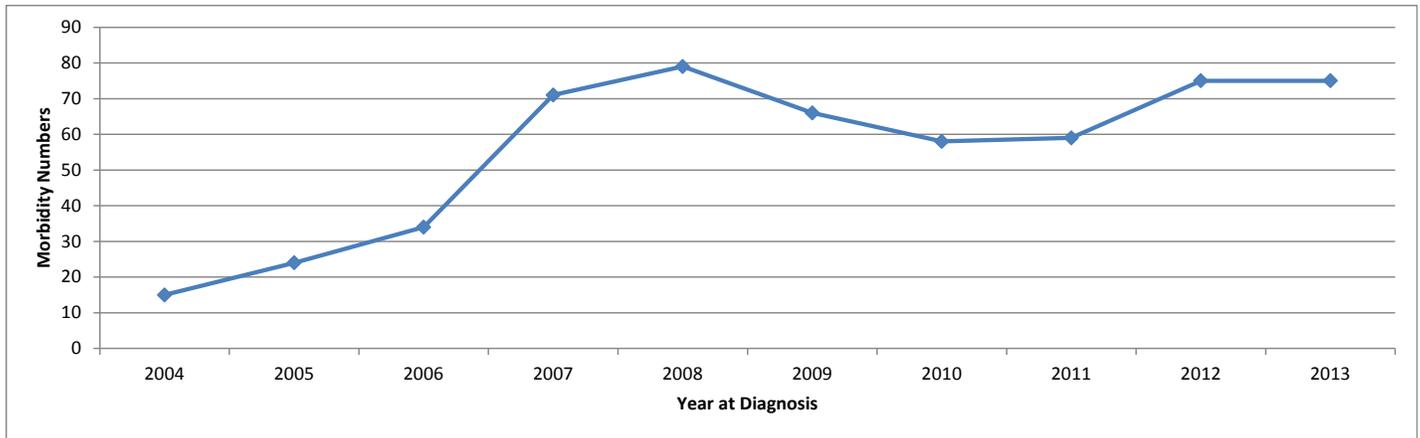
**Figure 2. Residential Areas of Clients Using Metro Health Department's STD Clinic: August 2013 though July 2014**



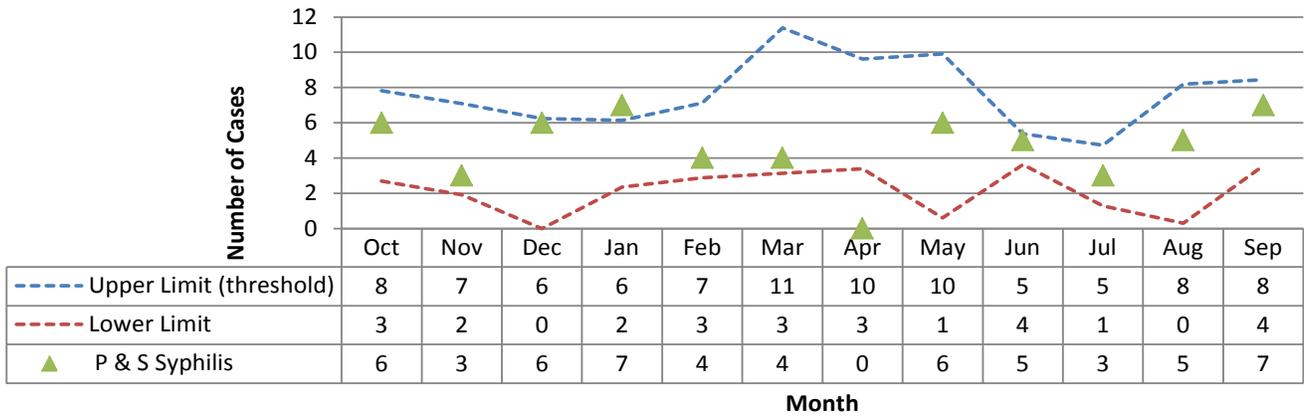
Data Source: PTBMIS 01Aug2013 through 31July2014

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 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 ± 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	2,664	466.4	1,221	213.8	164	28.7	15	2.6	22	3.9	124	21.7	3	...
2005	2,819	490.8	1,116	194.3	144	25.1	24	4.2	21	3.7	99	17.2	0	0
2006	2,978	514.6	1,311	226.5	166	28.7	34	5.9	36	6.2	96	16.6	0	0
2007	3,038	521.5	1,290	221.5	206	35.4	71	12.2	41	7.0	94	16.1	0	0
2008	3,526	561.3	1,124	178.9	240	38.2	79	12.6	46	7.3	115	18.5	0	0
2009	3,569	561.4	847	133.2	246	38.6	66	10.4	58	9.1	121	19.0	1	...
2010	3,471	559.3	960	154.7	198	31.9	58	9.3	53	8.5	87	14.0	0	0
2011	4,019	647.6	1,235	199.0	164	26.4	59	9.5	27	4.4	78	12.6	0	0
2012	3,837	591.9	1,309	201.9	227	35.0	75	11.6	42	6.5	107	16.5	3	..
2013	4,004	617.6	1,297	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 period, young adults in 20-24 years had the highest rate of STDs overall and in each disease category. Adolescents (age group 15-19 years old) had the second highest rate of all STDs and of chlamydia and gonorrhea. Age groups 30-34 and 35-44 years were tied in second highest rate for syphilis while those 20-24 years 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 STDs diagnosed declining from the highest 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 was almost double that of females. (Table 2)
- 4) Comparing points in time, STD morbidity has increased this year over the last one, with a 17.5% difference between months of September and a 7.7% difference for the year-to-date.

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? --- Chlamydia can be passed onto the baby:**

If you are pregnant and have chlamydia, you can pass the infection to your baby during delivery. This could cause an eye infection or pneumonia in your newborn. Having chlamydia may also make it more likely to deliver your baby too early.

If you are pregnant, you should be tested for chlamydia at your first prenatal visit. Testing and treatment are the best ways to prevent health problems. (Center for Disease Control and Prevention. <http://m.cdc.gov/en/HealthSafetyTopics/DiseasesConditions/STDs/chlamydiaFS#a3.htm>)