

# SEXUALLY TRANSMITTED DISEASES

## 2009 Annual Report

Louisiana STD Control Program  
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 **LOUISIANA** Department of  
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# Introduction

Louisiana consistently experiences some of the highest rates of sexually transmitted diseases (STDs) in the United States. In 2009, Louisiana had the highest rate in the nation for Primary and Secondary Syphilis and the 7<sup>th</sup> highest Congenital Syphilis rate according to the CDC's 2009 STD Surveillance Report. Additionally, Louisiana had the 2<sup>nd</sup> and 3<sup>rd</sup> highest rates in the nation for Gonorrhea and Chlamydia respectively.<sup>2</sup> This annual report will provide an analysis of these common sexually transmitted diseases in order to inform STD treatment and prevention efforts across the state.

## Chlamydia

- In 2009, there was a 19.6% increase in reported Chlamydia Cases compared to 2008, which was slightly lower than the previous year's increase of 21.6%.
- The 2009 rate was 632.6 new cases per 100,000 population.
- Females represented nearly 75% of all Chlamydia infections, and women between the ages of 20 and 24 had the highest incidence rate.

## Gonorrhea

- 2009 Gonorrhea cases decreased from 9,766 in 2008 to 9,150 in 2009.
- The Gonorrhea rate decreased by 7.8% from 221 cases per 100,000 in 2008 to 203.7 cases per 100,000 in 2009.
- Despite a decreased rate, Louisiana had the 2<sup>nd</sup> highest Gonorrhea rate in the nation in 2009.<sup>3</sup>

## Primary and Secondary Syphilis (P&S)

- While rates of P&S Syphilis in Louisiana have steadily increased since 2002, there was only a 1% increase from 2008 to 2009.
- The 20-24 age group had the highest incidence for both males and females with rates of 59 and 61 per 100,000, respectively.
- Males represented 53% of the cases reported in 2009 compared to 57% in 2008.

**Table 1: STD Cases by Year, Louisiana 2000-2009**

STD	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009
Chlamydia	17,846	17,840	18,442	20,970	21,837	17,227	17,885	19,362	23,536	28,148
Gonorrhea	13,245	12,253	11,387	11,850	10,538	9,572	10,883	11,137	9,766	9,150
P&S Syphilis	209	173	152	183	332	278	342	533	721	742

# Chlamydia

## [CHLAMYDIA | 2009]

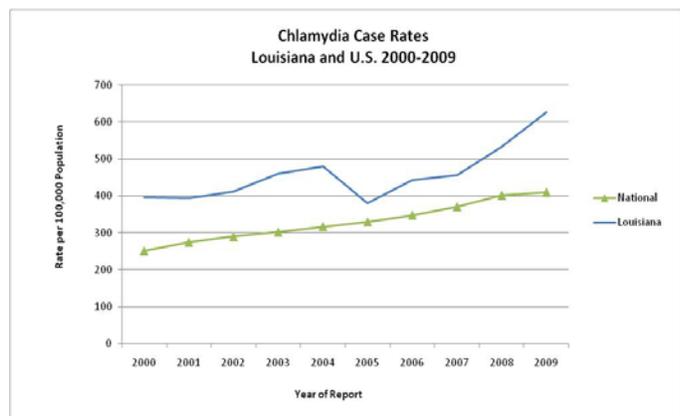
Caused by the bacterium *Chlamydia trachomatis*, Chlamydia is the most commonly reported STD in the United States.<sup>4</sup> Though chlamydial infections are often asymptomatic, symptoms can range from urethritis or vaginitis to severe pelvic inflammatory disorder (PID) in women. PID can cause infertility, ectopic pregnancy, and chronic pelvic pain.<sup>4</sup> Also, pregnant women with Chlamydia can pass the infection to their infants during delivery potentially causing health issues such as ophthalmia neonatorum or pneumonia.<sup>4</sup>

There were 28,148 cases of Chlamydia reported to the Louisiana STD Control Program in 2009, a rate of 626.6 cases per 100,000 population. This represents a 17% rate increase from 2008 to 2009. Additionally, Louisiana's ranking rose from 5<sup>th</sup> to 3<sup>rd</sup> highest Chlamydia rate in the nation in 2009 compared with 2008.<sup>2</sup> (Figure 1)

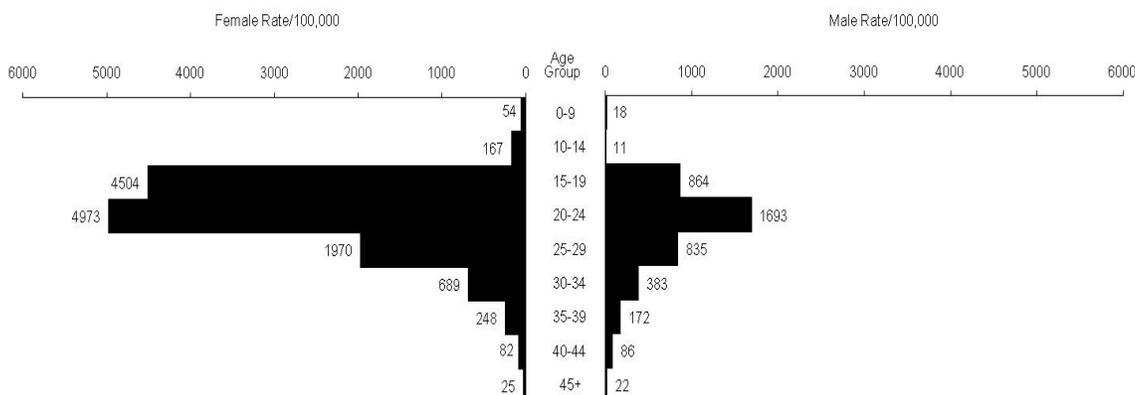
The number of Chlamydia cases has been increasing since 2005. The largest increase (21.6%) occurred in 2008 and the second largest increase(19.6%) occurred from 2008 to 2009. This rise in cases may be due to improved

Chlamydia screening practices. Louisiana's public health units have replaced genetic probe testing with the Amplified Nucleic Acid Test which captures more positive cases. In addition, screening for Chlamydia is performed for all sexually active female patients under the age of 31 in family planning clinics.

**Figure 1: Chlamydia Case Rates**



- The 2009 female Chlamydia rate of 914.28 per 100,000 women was nearly 3 times the male rate of 317.46 per 100,000 men.
- Among the 21,092 female Chlamydia cases, nearly 62% were Black and 13% were White. Of the 6,937 male cases, approximately 72% were Black and 12% were White. (Table 2)
- In 2009, the highest age-specific rate for female Chlamydia was among 20-24 year olds. (Figure 2) Females ages 15-19 had the highest age-specific rate in 2008.



**Figure 2:  
Chlamydia-  
Age and  
Gender  
Specific  
Rates,  
Louisiana  
2009**

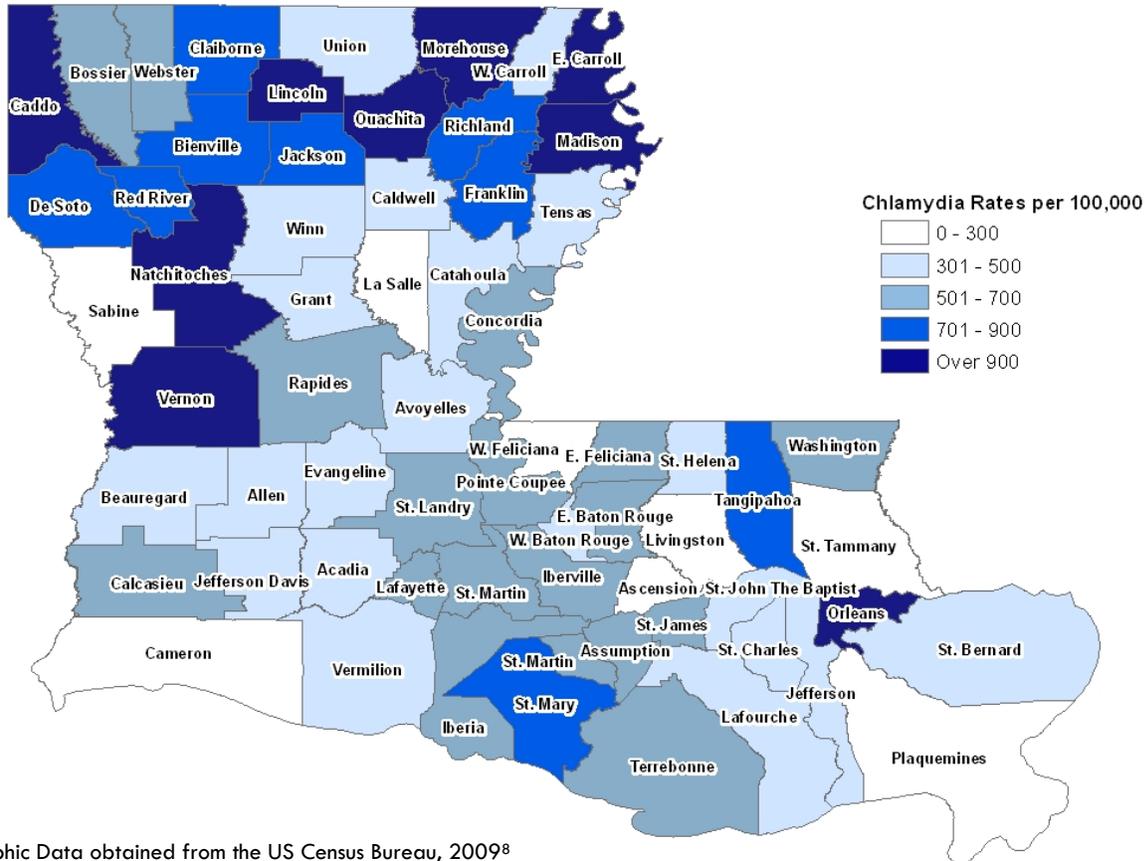
Table 2: Chlamydia Race, Ethnicity, and Gender Specific Rates

	Case	Chlamydia		Population	
		Percent	Rate	Number	Percent
<b>Louisiana Total</b>	28148	100.00%	626.61	4,492,076	100.00%
<b>Female Total</b>	21092	74.93%	914.28	2,306,941	51.36%
White	2818	13.36%	200.51	1,405,387	60.92%
Hispanic	138	0.65%	179.87	76,721	3.33%
Asian/Pacific Islander	63	0.30%	187.13	33,667	1.46%
Black	12953	61.41%	1715.71	754,963	32.73%
American Indian/Alaskan Native	20	0.09%	151.94	13,163	0.57%
Other/Unknown	5100	24.12%	-	-	-
<b>Male Total</b>	6937	24.64%	317.46	2,185,135	48.64%
White	816	11.76%	60.22	1,355,080	62.01%
Hispanic	47	0.68%	54.49	86,260	3.95%
Asian/Pacific Islander	24	0.35%	73.80	32,519	1.49%
Black	5026	72.45%	744.08	675,466	30.91%
American Indian/Alaskan Native	4	0.06%	30.15	13,267	0.61%
Other/Unknown	1020	14.70%	-	-	-

\*119 cases with unknown gender are excluded from the male and female strata.

Map 1: Chlamydia Rates

Chlamydia Rates by Parish, Louisiana 2009



Geographic Data obtained from the US Census Bureau, 2009<sup>8</sup>

Table 3: 2009 Chlamydia by Race, Regions 1-5

Chlamydia, Regions 1-5								
Parish	White		Black		Other		Total	
	Cases	Rates	Cases	Rates	Cases	Rates	Cases	Rates
<b>Region 1</b>	<b>314</b>	<b>77.0</b>	<b>3820</b>	<b>1104.0</b>	<b>101</b>	<b>95.2</b>	<b>5882</b>	<b>684.1</b>
Jefferson	163	63.1	1094	928.3	62	92.5	2077	468.5
Orleans	109	102.9	2617	1203.5	35	111.4	3593	1012.5
Plaquemines	10	70.1	18	411.0	1	43.6	54	257.9
St. Bernard	32	110.2	91	1439.9	3	56.7	158	388.6
<b>Region 2</b>	<b>271</b>	<b>77.1</b>	<b>2801</b>	<b>1064.9</b>	<b>41</b>	<b>106.6</b>	<b>3721</b>	<b>569.8</b>
Ascension	67	88.1	172	773.2	5	77.0	295	281.4
E. Baton Rouge	143	67.0	2213	1152.0	33	113.8	2850	655.7
E. Feliciana	8	70.2	85	931.9	1	220.8	105	500.7
Iberville	14	88.5	137	859.6	0	0.0	193	593.8
Pointe Coupee	20	147.3	82	993.7	1	161.8	126	561.3
W. Baton Rouge	18	130.9	82	1021.0	0	0.0	113	499.2
W. Feliciana	1	13.5	30	408.4	1	327.9	39	259.1
<b>Region 3</b>	<b>409</b>	<b>155.3</b>	<b>1039</b>	<b>1003.8</b>	<b>30</b>	<b>101.7</b>	<b>2162</b>	<b>545.4</b>
Assumption	4	26.6	86	1222.6	0	0.0	120	524.6
Lafourche	116	155.6	188	1461.1	5	79.6	456	486.8
St. Charles	21	60.7	77	558.1	5	156.3	178	344.9
St. James	12	115.7	89	867.4	0	0.0	110	522.5
St. John The Baptist	13	63.3	123	522.4	1	33.1	200	424.8
St. Mary	89	290.7	211	1305.1	5	124.0	429	844.2
Terrebonne	154	198.3	265	1335.8	14	118.8	669	612.1
<b>Region 4</b>	<b>564</b>	<b>142.7</b>	<b>1836</b>	<b>1140.0</b>	<b>37</b>	<b>143.0</b>	<b>3132</b>	<b>538.0</b>
Acadia	79	166.8	129	1144.2	1	68.7	253	421.0
Evangeline	45	186.6	90	874.3	0	0.0	156	441.6
Iberia	56	119.9	279	1174.8	4	86.0	487	648.5
Lafayette	171	116.9	673	1263.9	17	149.2	1125	533.3
St. Landry	97	188.7	400	1038.4	4	166.9	603	653.1
St. Martin	50	144.6	176	1106.0	9	519.3	296	566.9
Vermilion	66	147.5	89	1104.6	2	60.0	212	377.6
<b>Region 5</b>	<b>439</b>	<b>209.1</b>	<b>680</b>	<b>1096.6</b>	<b>17</b>	<b>118.7</b>	<b>1354</b>	<b>472.9</b>
Allen	28	162.4	35	572.5	2	87.7	82	319.9
Beauregard	79	275.8	45	942.0	1	50.2	136	384.0
Calcasieu	292	218.8	546	1198.8	13	152.2	1016	541.7
Cameron	1	17.0	0	0.0	0	0.0	2	30.4
Jefferson Davis	39	157.8	54	1015.2	1	93.5	118	379.5

Table 4: 2009 Chlamydia by Race, Regions 6-9

Chlamydia, Regions 6-9								
Parish	White		Black		Other		Total	
	Cases	Rates	Cases	Rates	Cases	Rates	Cases	Rates
<b>Region 6</b>	<b>417</b>	<b>204.4</b>	<b>1001</b>	<b>1259.7</b>	<b>48</b>	<b>260.1</b>	<b>1695</b>	<b>561.3</b>
Avoyelles	50	178.4	115	882.0	3	206.9	190	446.9
Catahoula	6	81.7	28	966.5	1	448.4	37	353.7
Concordia	11	100.3	73	989.0	0	0.0	113	595.1
Grant	30	175.4	35	1548.7	0	0.0	73	362.0
La Salle	11	93.6	13	714.7	1	255.1	30	214.8
Rapides	109	127.4	481	1161.1	9	128.9	718	536.1
Vernon	188	565.0	210	3586.7	32	427.4	466	999.7
Winn	12	119.3	46	961.3	2	413.2	68	443.5
<b>Region 7</b>	<b>450</b>	<b>148.4</b>	<b>3429</b>	<b>1703.1</b>	<b>55</b>	<b>181.7</b>	<b>4702</b>	<b>879.0</b>
Bienville	15	182.1	88	1441.4	0	0.0	108	733.2
Bossier	137	174.5	336	1462.0	22	219.7	593	531.9
Caddo	169	136.6	2205	1866.8	18	152.1	2921	1151.7
Claiborne	14	172.8	97	1263.2	2	595.2	118	732.1
De Soto	26	170.0	169	1672.9	0	0.0	211	799.2
Natchitoches	28	127.3	291	1888.0	8	431.7	384	978.2
Red River	7	138.6	68	1828.0	0	0.0	79	877.5
Sabine	22	133.2	27	682.7	3	92.0	59	248.6
Webster	32	123.4	148	1115.5	2	148.4	229	564.8
<b>Region 8</b>	<b>373</b>	<b>177.6</b>	<b>2330</b>	<b>1851.5</b>	<b>20</b>	<b>168.7</b>	<b>3171</b>	<b>911.9</b>
Caldwell	20	242.7	14	746.7	0	0.0	38	364.0
E. Carroll	4	162.8	107	1970.5	0	0.0	125	1542.8
Franklin	29	217.3	103	1718.1	0	0.0	166	838.1
Jackson	29	271.7	77	1902.2	0	0.0	116	770.1
Lincoln	24	99.8	410	2353.2	7	385.9	530	1224.4
Madison	13	321.6	167	2417.5	0	0.0	202	1774.3
Morehouse	27	178.1	197	1582.5	3	489.4	264	935.4
Ouachita	156	167.7	1017	1915.7	6	111.0	1385	914.2
Richland	23	184.1	120	1619.0	0	0.0	162	793.3
W. Carroll	0	0.0	15	480.5	0	0.0	17	303.1
Tensas	22	142.6	78	1294.2	2	177.0	110	487.1
Union	26	291.9	25	1208.9	2	566.6	56	494.3
<b>Region 9</b>	<b>374</b>	<b>90.1</b>	<b>986</b>	<b>1118.2</b>	<b>10</b>	<b>37.9</b>	<b>1989</b>	<b>375.5</b>
Livingston	133	119.6	62	824.7	4	86.8	280	227.0
St. Helena	2	41.0	41	763.2	0	0.0	49	464.4
St. Tammany	91	48.2	189	696.4	2	12.7	503	217.3
Tangipahoa	94	117.4	523	1535.3	2	43.8	873	735.5
Washington	54	177.6	171	1214.1	2	169.1	284	621.9

Table 5: Female Chlamydia by Race, Louisiana Parishes 2009

Parish	White		Black		Other		Total*	
	Cases	Rates	Cases	Rates	Cases	Rates	Cases	Rates
<b>LOUISIANA**</b>	<b>2818</b>	<b>200.51</b>	<b>12953</b>	<b>1715.71</b>	<b>300</b>	<b>194.1</b>	<b>21092</b>	<b>914.28</b>
Acadia	57	235.7	92	1546.0	1	139.9	185	599.8
Allen	22	260.4	27	1242.5	2	300.8	67	593.6
Ascension	46	120.5	126	1067.2	3	105.6	215	407.0
Assumption	2	26.0	66	1774.7	0	0.0	96	817.8
Avoyelles	40	277.1	87	1352.2	3	410.4	151	699.1
Beauregard	58	405.2	26	1124.6	0	0.0	93	528.6
Bienville	9	215.9	73	2221.5	0	0.0	85	1108.8
Bossier	104	262.2	243	1994.4	16	323.8	443	780.1
Caddo	128	200.1	1600	2531.5	8	134.9	2188	1643.9
Calcasieu	224	329.2	374	1578.5	11	256.1	755	786.2
Caldwell	17	410.8	9	1084.3	0	0.0	29	565.7
Cameron	1	34.7	0	0.0	0	0.0	2	63.3
Catahoula	6	163.0	21	1513.0	1	943.4	29	560.5
Claiborne	12	302.7	74	2073.4	2	1069.5	92	1191.7
Concordia	10	178.6	64	1672.3	0	0.0	101	1043.8
De Soto	24	310.6	137	2500.0	0	0.0	176	1282.5
East Baton Rouge	111	101.7	1627	1590.5	27	194.3	2089	926.9
East Carroll	2	171.2	93	3549.6	0	0.0	103	2643.7
East Feliciana	7	128.6	68	1675.3	0	0.0	83	852.6
Evangeline	42	343.7	71	1417.4	0	0.0	131	741.7
Franklin	23	334.8	75	2351.1	0	0.0	122	1185.4
Grant	24	277.8	26	2132.9	0	0.0	57	556.0
Iberia	44	184.4	214	1686.5	3	132.0	387	996.9
Iberville	14	175.7	101	1285.3	0	0.0	144	890.0
Jackson	24	441.3	53	2419.0	0	0.0	87	1116.2
Jefferson	121	90.2	770	1227.4	57	172.7	1553	675.6
Jefferson Davis	30	236.3	33	1170.2	1	189.4	84	523.6
Lafayette	131	175.3	468	1667.5	15	274.5	824	761.0
Lafourche	90	236.8	137	1974.6	5	165.5	365	761.0
La Salle	10	167.6	11	1605.8	0	0.0	25	364.7
Lincoln	16	134.2	291	3132.7	7	810.2	388	1757.8
Livingston	99	176.9	40	1014.7	4	174.4	209	336.0
Madison	8	390.1	138	3879.7	0	0.0	160	2765.8
Morehouse	23	296.2	148	2228.9	4	1307.2	206	1400.4
Natchitoches	21	184.9	189	2308.5	8	879.1	268	1310.3
Orleans	80	152.2	1714	1432.5	30	191.6	2504	1332.7
Ouachita	117	242.6	728	2545.6	4	150.0	992	1247.8
Plaquemines	7	99.0	13	578.8	1	89.9	41	393.2
Pointe Coupee	15	220.2	64	1454.2	1	339.0	97	843.0
Rapides	93	210.7	350	1606.0	4	120.3	555	801.4
Red River	4	155.6	51	2523.5	0	0.0	59	1254.0
Richland	21	320.7	88	2220.0	0	0.0	121	1122.0
Sabine	15	180.3	24	1133.7	3	183.3	49	405.8
St. Bernard	26	173.3	73	2198.1	3	119.0	130	623.7
St. Charles	17	97.5	54	741.8	2	124.7	138	524.3
St. Helena	2	81.4	30	1052.3	0	0.0	36	659.2
St. James	8	153.0	63	1158.1	0	0.0	78	717.3
St. John The Baptist	11	106.6	87	704.6	2	132.6	155	641.3
St. Landry	74	281.7	291	1423.5	4	349.7	461	963.4
St. Martin	39	225.0	140	1674.0	9	1060.1	238	896.5
St. Mary	76	488.8	175	2039.9	5	266.8	354	1361.5
St. Tammany	70	73.0	138	971.6	4	51.0	403	341.6
Tangipahoa	82	200.3	409	2245.8	1	46.7	730	1191.0
Tensas	0	0.0	14	911.5	0	0.0	16	575.1
Terrebonne	123	312.0	197	1895.3	12	213.0	543	979.4
Union	18	227.2	61	1916.4	1	189.0	88	756.4
Vermilion	54	236.2	58	1350.1	2	124.6	159	552.8
Vernon	123	745.2	118	4456.2	24	632.1	289	1259.2
Washington	48	307.3	138	1943.1	1	156.7	238	1018.9
Webster	28	211.9	116	1636.1	3	468.0	181	864.3
West Baton Rouge	14	201.7	63	1505.0	0	0.0	87	758.2
West Carroll	22	489.2	21	2383.7	2	1250.0	48	866.7
West Feliciana	1	31.5	18	969.8	0	0.0	24	467.7
Winn	10	201.0	31	1553.1	2	917.4	51	709.4

\*The total columns include cases with unknown race.

\*\*The Louisiana strata include cases with unknown parish.

Table 6: Male Chlamydia by Race, Louisiana Parishes 2009

Parish	White		Black		Other		Total*	
	Cases	Rates	Cases	Rates	Cases	Rates	Cases	Rates
<b>LOUISIANA**</b>	<b>816</b>	<b>60.22</b>	<b>5026</b>	<b>744.08</b>	<b>117</b>	<b>75.68</b>	<b>6937</b>	<b>317.46</b>
Acadia	22	94.9	37	695.1	0	0.0	68	232.5
Allen	6	68.2	8	203.0	0	0.0	15	104.5
Ascension	20	52.8	46	440.7	2	54.7	78	150.0
Assumption	2	27.1	20	603.3	0	0.0	24	215.5
Avoyelles	10	73.6	28	423.9	0	0.0	39	186.5
Beauregard	21	146.5	19	770.8	1	97.3	43	241.2
Bienville	6	147.5	15	532.1	0	0.0	23	325.6
Bossier	33	85.0	90	833.5	7	138.0	146	266.9
Caddo	40	67.0	604	1100.0	11	186.3	727	603.2
Calcasieu	68	103.9	172	787.1	2	47.1	257	280.8
Caldwell	3	73.2	5	478.5	0	0.0	9	169.4
Cameron	0	0.0	0	0.0	0	0.0	0	0.0
Catahoula	0	0.0	7	463.9	0	0.0	8	151.3
Claiborne	2	48.3	23	559.6	0	0.0	26	309.6
Concordia	1	18.6	9	253.2	0	0.0	12	128.9
De Soto	2	26.4	32	692.3	0	0.0	35	276.1
East Baton Rouge	32	30.7	583	649.2	7	46.4	748	357.4
East Carroll	2	155.2	14	498.2	0	0.0	22	523.1
East Feliciana	1	16.8	17	335.8	1	450.5	22	195.8
Evangeline	3	25.2	18	340.6	0	0.0	23	130.2
Franklin	6	92.7	28	998.2	1	423.7	44	462.4
Grant	6	70.8	9	864.6	0	0.0	16	161.4
Iberia	12	52.5	66	596.7	2	84.0	100	275.6
Iberville	0	0.0	35	433.2	0	0.0	47	287.9
Jackson	5	95.5	24	1292.4	0	0.0	29	399.0
Jefferson	42	33.8	321	582.4	21	61.7	514	240.8
Jefferson Davis	9	74.9	21	840.3	0	0.0	34	225.8
Lafayette	40	55.9	204	810.1	2	33.7	300	292.2
Lafourche	26	71.2	51	860.2	1	30.7	91	199.0
La Salle	1	17.3	2	176.4	1	531.9	5	70.3
Lincoln	8	66.0	121	1487.6	3	315.8	142	669.4
Livingston	34	61.6	22	615.2	2	86.5	70	114.5
Madison	5	251.1	29	865.4	0	0.0	42	750.0
Morehouse	4	54.1	49	843.5	0	0.0	58	429.2
Natchitoches	7	65.8	102	1411.6	2	212.1	116	617.0
Orleans	29	54.3	905	925.3	14	88.8	1081	647.4
Ouachita	39	87.1	288	1176.0	2	73.0	391	543.0
Plaquemines	3	41.7	5	234.3	0	0.0	13	123.6
Pointe Coupee	5	73.9	18	467.4	0	0.0	28	255.9
Rapides	16	38.7	131	667.2	5	136.8	163	252.0
Red River	3	121.0	17	1000.6	0	0.0	20	465.3
Richland	2	33.7	32	928.1	0	0.0	41	425.4
Sabine	7	85.4	3	163.2	0	0.0	10	85.8
St. Bernard	6	42.7	18	600.2	1	36.1	28	141.3
St. Charles	4	23.3	23	353.0	3	188.2	40	158.2
St. Helena	0	0.0	11	436.3	0	0.0	12	235.8
St. James	4	77.8	26	539.3	0	0.0	31	304.5
St. John The Baptist	2	19.6	36	321.5	0	0.0	45	196.4
St. Landry	23	91.5	105	580.9	0	0.0	136	305.8
St. Martin	11	63.8	36	476.8	2	226.2	58	225.9
St. Mary	13	86.3	36	474.4	2	92.7	75	302.2
St. Tammany	21	22.7	51	394.2	1	12.7	96	84.6
Tangipahoa	11	28.1	113	712.8	1	41.2	138	240.4
Tensas	0	0.0	1	63.1	0	0.0	1	35.4
Terrebonne	31	81.0	68	720.0	2	32.5	126	234.0
Union	4	53.3	17	597.7	1	166.4	22	200.9
Vermilion	12	54.8	31	824.2	0	0.0	53	193.6
Vernon	65	387.7	91	2837.5	13	352.2	173	731.0
Washington	6	40.6	33	472.6	1	183.5	46	206.2
Webster	4	31.5	33	534.2	0	0.0	48	244.9
West Baton Rouge	4	58.7	19	494.1	0	0.0	26	232.9
West Carroll	4	90.7	4	337.0	0	0.0	8	138.1
West Feliciana	0	0.0	12	218.6	1	492.6	15	151.2
Winn	2	39.3	15	537.8	0	0.0	17	208.8

\*The totals include cases with unknown race.

\*\*The Louisiana strata include cases with unknown parish.

# Gonorrhea

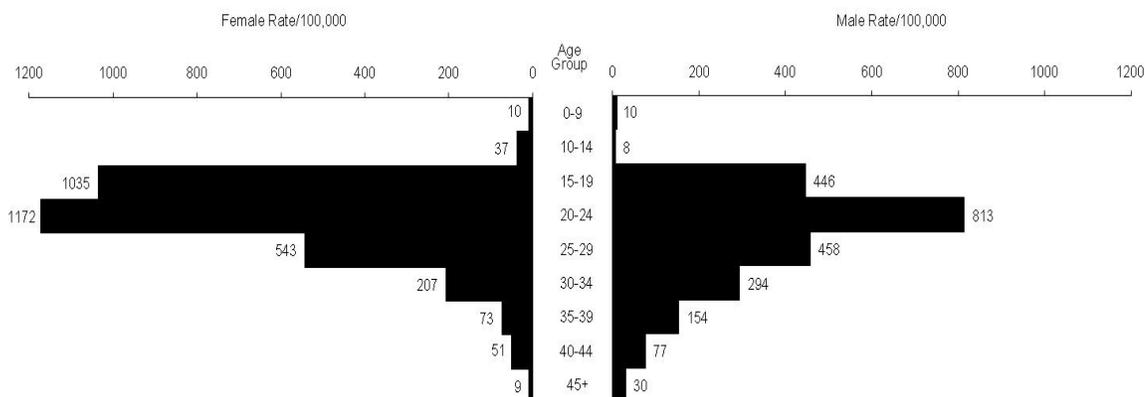
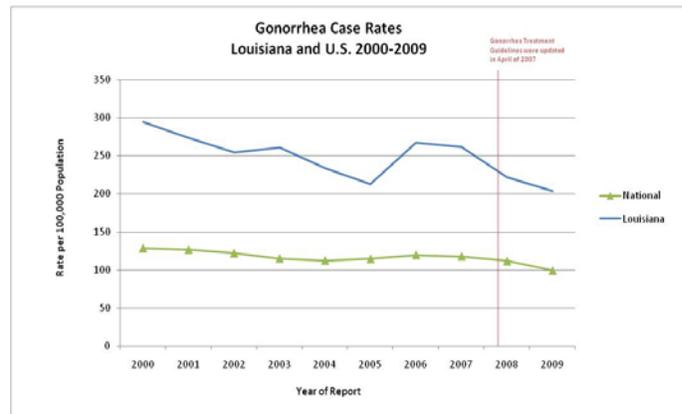
## [ GONORRHEA | 2009 ]

Gonorrhea is caused by the bacteria, *Neisseria gonorrhoea*.<sup>5</sup> If left untreated, Gonorrhea can affect fertility in males and females, increase the risk of HIV infection and transmission, and cause other serious health problems.<sup>5</sup> Gonorrhea is a common cause of epididymitis in men and PID in women, and both of these conditions can lead to infertility.<sup>5</sup> Also, pregnant women with Gonorrhea may infect their infants during delivery which can potentially cause blindness, joint infection, or a blood infection in babies.<sup>5</sup>

Despite a 7.8% rate reduction in 2009, Louisiana maintained the 2<sup>nd</sup> highest Gonorrhea rate in the nation.<sup>3</sup> Gonorrhea rates for the state have decreased since 2007, reflecting a national trend. On April 13, 2007, the CDC released updated guidelines for the treatment of Gonorrhea in the United States.<sup>6</sup> The announcement stated that due to increasing resistance seen in gonococcal isolates, fluoroquinolones are no longer recommended for the treatment of Gonorrhea.<sup>6</sup> In previous studies, 15.1% of gonococcal isolates showed Fluoroquinolone resistance in 2006 and 16.1% in 2007.<sup>6</sup> The options for treating Gonorrhea are now limited to one class of antibiotics called cephalosporins.<sup>6</sup> Since fluoroquinolones such as ciprofloxacin were frequently used to treat gonorrhea in previous years, this announcement likely influenced Gonorrhea data for 2008 and 2009.

- During 2009, there were 9,150 cases of Gonorrhea reported, a 12.3% decrease from 2008.
- About 74% of the 2009 Gonorrhea cases were black, while only 30% of the state's population is black. Approximately 71% of females with Gonorrhea were Black and 78% of males. (Table 7)
- Females between 20 and 24 years of age had the highest Gonorrhea rate followed by 15-19 year old females and then 20-24 year old males. (Figure 3)

**Figure 3: Gonorrhea Case Rates**



**Figure 4:**

**Gonorrhea-  
Age and  
Gender  
Specific  
Rates,  
Louisiana  
2009**

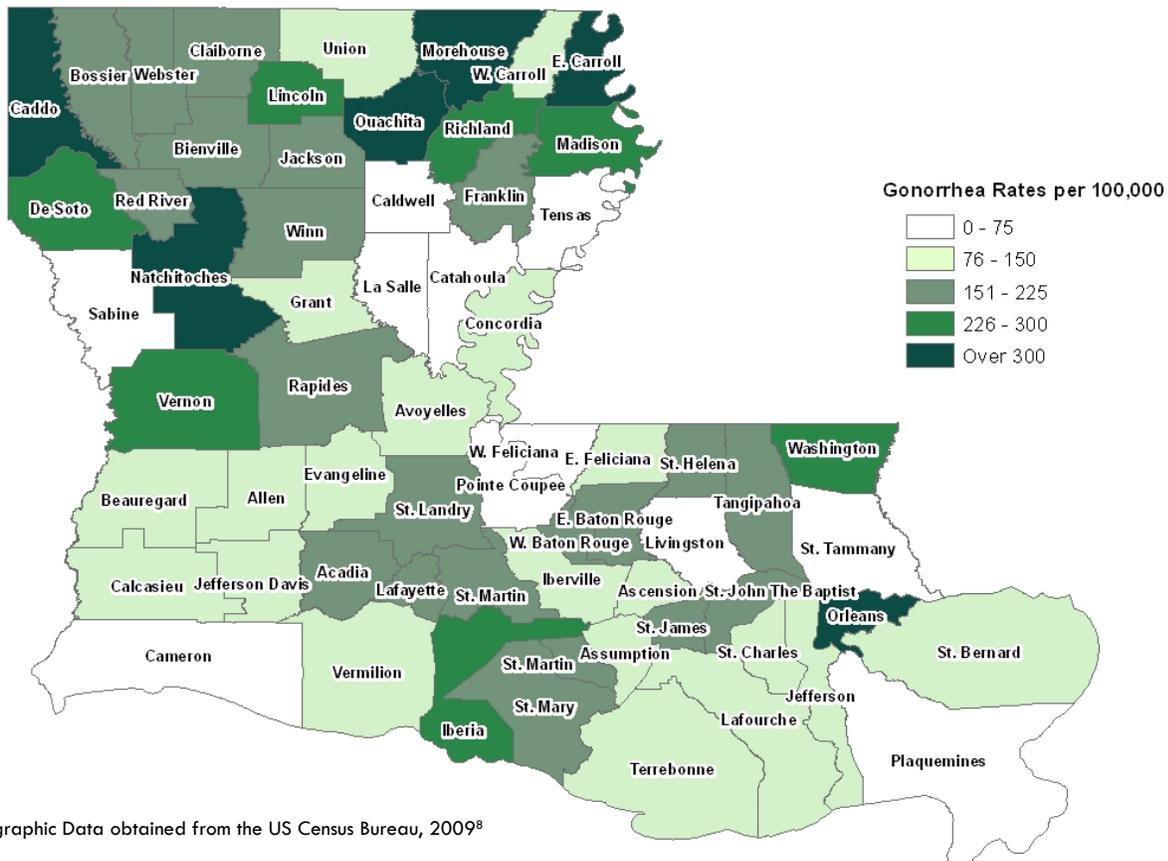
Table 7: Gonorrhea Race, Ethnicity, and Gender Specific Rates

	Gonorrhea			Population	
	Case	Percent	Rate	Number	Percent
<b>Louisiana Total</b>	9150	100.00%	203.69	4,492,076	100.00%
<b>Female Total</b>	5203	56.86%	225.54	2,306,941	51.36%
White	565	10.86%	40.20	1,405,387	60.92%
Hispanic	12	0.23%	15.64	76,721	3.33%
Asian/Pacific Islander	7	0.13%	20.79	33,667	1.46%
Black	3669	70.52%	485.98	754,963	32.73%
American Indian/Alaskan Native	2	0.04%	15.19	13,163	0.57%
Other/Unknown	948	18.22%	-	-	-
<b>Male Total</b>	3920	42.84%	179.39	2,185,135	48.64%
White	238	6.07%	17.56	1,355,080	62.01%
Hispanic	6	0.15%	6.96	86,260	3.95%
Asian/Pacific Islander	6	0.15%	18.45	32,519	1.49%
Black	3068	78.27%	454.20	675,466	30.91%
American Indian/Alaskan Native	4	0.10%	30.15	13,267	0.61%
Other/Unknown	598	15.26%	-	-	-

\*27 cases with unknown gender are excluded from the f strata

Map 2: Gonorrhea Rates

Gonorrhea Rates by Parish, Louisiana 2009



Geographic Data obtained from the US Census Bureau, 2009<sup>8</sup>

Table 8: 2009 Gonorrhea by Race, Regions 1-5

Gonorrhea, Regions 1-5								
Parish	White		Black		Other		Total	
	Cases	Rates	Cases	Rates	Cases	Rates	Cases	Rates
<b>Region 1</b>	<b>91</b>	<b>22.3</b>	<b>1393</b>	<b>402.6</b>	<b>23</b>	<b>21.7</b>	<b>1860</b>	<b>216.3</b>
Jefferson	40	15.5	303	257.1	17	25.4	497	112.1
Orleans	43	40.6	1062	488.4	6	19.1	1321	372.3
Plaquemines	2	14.0	5	114.2	0	0.0	10	47.8
St. Bernard	6	20.7	23	363.9	0	0.0	32	78.7
<b>Region 2</b>	<b>58</b>	<b>16.5</b>	<b>928</b>	<b>352.8</b>	<b>8</b>	<b>20.8</b>	<b>1149</b>	<b>175.9</b>
Ascension	14	18.4	55	247.2	3	46.2	79	75.4
E. Baton Rouge	32	15.0	759	395.1	4	13.8	923	212.4
E. Feliciana	1	8.8	25	274.1	1	220.8	31	147.8
Iberville	4	25.3	32	200.8	0	0.0	47	144.6
Pointe Coupee	2	14.7	11	133.3	0	0.0	15	66.8
W. Baton Rouge	5	36.4	36	448.3	0	0.0	44	194.4
W. Feliciana	0	0.0	10	136.1	0	0.0	10	66.4
<b>Region 3</b>	<b>77</b>	<b>29.2</b>	<b>314</b>	<b>303.4</b>	<b>2</b>	<b>6.8</b>	<b>531</b>	<b>134.0</b>
Assumption	0	0.0	25	355.4	0	0.0	32	139.9
Lafourche	12	16.1	50	388.6	0	0.0	85	90.7
St. Charles	7	20.2	22	159.5	0	0.0	49	94.9
St. James	1	9.6	31	302.1	0	0.0	34	161.5
St. John The Baptist	5	24.4	57	242.1	1	33.1	81	172.0
St. Mary	5	16.3	61	377.3	1	24.8	98	192.9
Terrebonne	47	60.5	68	342.8	0	0.0	152	139.1
<b>Region 4</b>	<b>172</b>	<b>43.5</b>	<b>771</b>	<b>478.7</b>	<b>10</b>	<b>38.6</b>	<b>1184</b>	<b>203.4</b>
Acadia	38	80.2	57	505.6	0	0.0	116	193.0
Evangeline	6	24.9	30	291.4	0	0.0	36	101.9
Iberia	22	47.1	122	513.7	0	0.0	196	261.0
Lafayette	55	37.6	309	580.3	5	43.9	460	218.1
St. Landry	17	33.1	152	394.6	2	83.4	194	210.1
St. Martin	19	55.0	72	452.5	1	57.7	113	216.4
Vermilion	15	33.5	29	359.9	2	60.0	69	122.9
<b>Region 5</b>	<b>76</b>	<b>36.2</b>	<b>224</b>	<b>361.2</b>	<b>3</b>	<b>21.0</b>	<b>349</b>	<b>121.9</b>
Allen	5	29.0	23	376.2	0	0.0	30	117.0
Beauregard	11	38.4	23	481.5	0	0.0	36	101.6
Calcasieu	46	34.5	160	351.3	2	23.4	245	130.6
Cameron	0	0.0	0	0.0	0	0.0	0	0.0
Jefferson Davis	14	56.7	18	338.4	1	93.5	38	122.2

Table 9: 2009 Gonorrhea by Race, Regions 6-9

Gonorrhea, Regions 6-9								
Parish	White		Black		Other		Total	
	Cases	Rates	Cases	Rates	Cases	Rates	Cases	Rates
<b>Region 6</b>	<b>56</b>	<b>27.4</b>	<b>401</b>	<b>504.6</b>	<b>11</b>	<b>59.6</b>	<b>526</b>	<b>174.2</b>
Avoyelles	5	17.8	29	222.4	0	0.0	40	94.1
Catahoula	1	13.6	3	103.6	0	0.0	7	66.9
Concordia	2	18.2	13	176.1	0	0.0	22	115.9
Grant	3	17.5	13	575.2	0	0.0	18	89.3
La Salle	3	25.5	3	164.9	0	0.0	6	43.0
Rapides	22	25.7	226	545.5	6	85.9	286	213.5
Vernon	19	57.1	91	1554.2	5	66.8	122	261.7
Winn	1	9.9	23	480.7	0	0.0	25	163.1
<b>Region 7</b>	<b>111</b>	<b>36.6</b>	<b>1505</b>	<b>747.5</b>	<b>10</b>	<b>33.0</b>	<b>1857</b>	<b>347.2</b>
Bienville	2	24.3	20	327.6	0	0.0	29	196.9
Bossier	22	28.0	133	578.7	2	20.0	178	159.7
Caddo	60	48.5	1056	894.1	6	50.7	1287	507.4
Claiborne	3	37.0	22	286.5	0	0.0	26	161.3
De Soto	9	58.9	55	544.4	0	0.0	68	257.6
Natchitoches	6	27.3	124	804.5	2	107.9	148	377.0
Red River	1	19.8	15	403.2	0	0.0	17	188.8
Sabine	1	6.1	11	278.1	0	0.0	14	59.0
Webster	7	27.0	69	520.0	0	0.0	90	222.0
<b>Region 8</b>	<b>80</b>	<b>38.1</b>	<b>820</b>	<b>651.6</b>	<b>2</b>	<b>16.9</b>	<b>1060</b>	<b>304.8</b>
Caldwell	2	24.3	5	266.7	0	0.0	7	67.1
E. Carroll	1	40.7	31	570.9	0	0.0	35	432.0
Franklin	3	22.5	31	517.1	0	0.0	39	196.9
Jackson	4	37.5	22	543.5	0	0.0	27	179.2
Lincoln	6	24.9	101	579.7	0	0.0	120	277.2
Madison	0	0.0	26	376.4	0	0.0	30	263.5
Morehouse	10	66.0	91	731.0	1	163.1	116	411.0
Ouachita	40	43.0	449	845.8	1	18.5	592	390.8
Richland	7	56.0	34	458.7	0	0.0	49	239.9
W. Carroll	0	0.0	2	64.1	0	0.0	3	53.5
Tensas	5	32.4	22	365.0	0	0.0	31	137.3
Union	2	22.5	6	290.1	0	0.0	11	97.1
<b>Region 9</b>	<b>75</b>	<b>18.1</b>	<b>352</b>	<b>399.2</b>	<b>1</b>	<b>3.8</b>	<b>537</b>	<b>101.4</b>
Livingston	16	14.4	12	159.6	0	0.0	40	32.4
St. Helena	0	0.0	18	335.1	0	0.0	20	189.6
St. Tammany	23	12.2	52	191.6	1	6.4	111	47.9
Tangipahoa	16	20.0	202	593.0	0	0.0	259	218.2
Washington	20	65.8	68	482.8	0	0.0	107	234.3

Table 10: Female Gonorrhea by Race, Louisiana Parishes 2009

Parish	White		Black		Other		Total*	
	Cases	Rates	Cases	Rates	Cases	Rates	Cases	Rates
<b>LOUISIANA**</b>	<b>565</b>	<b>40.20</b>	<b>3669</b>	<b>485.98</b>	<b>38</b>	<b>25.92</b>	<b>5203</b>	<b>225.54</b>
Acadia	29	119.9	30	504.1	0	0.0	71	230.2
Allen	2	23.7	18	828.3	0	0.0	20	177.2
Ascension	9	23.6	37	313.4	1	35.2	51	96.5
Assumption	0	0.0	13	349.6	0	0.0	20	170.4
Avoyelles	5	34.6	22	341.9	0	0.0	32	148.2
Beauregard	10	69.9	8	346.0	0	0.0	20	113.7
Bienville	1	24.0	11	334.8	0	0.0	15	195.7
Bossier	13	32.8	74	607.4	1	20.2	103	181.4
Caddo	49	76.6	585	925.6	3	50.6	757	568.8
Calcasieu	36	52.9	80	337.7	1	23.3	145	151.0
Caldwell	2	48.3	2	241.0	0	0.0	4	78.0
Cameron	0	0.0	0	0.0	0	0.0	0	0.0
Catahoula	1	27.2	0	0.0	0	0.0	3	58.0
Claiborne	3	75.7	14	392.3	0	0.0	18	233.2
Concordia	2	35.7	9	235.2	0	0.0	17	175.7
De Soto	3	38.8	29	529.2	0	0.0	35	255.0
East Baton Rouge	21	19.2	432	422.3	3	21.6	495	219.6
East Carroll	1	85.6	25	954.2	0	0.0	27	693.0
East Feliciana	1	18.4	10	246.4	0	0.0	14	143.8
Evangeline	3	24.5	16	319.4	0	0.0	19	107.6
Franklin	2	29.1	18	564.3	0	0.0	23	223.5
Grant	2	23.2	6	492.2	0	0.0	10	97.6
Iberia	16	67.1	66	520.1	0	0.0	112	288.5
Iberville	4	50.2	18	229.1	0	0.0	29	179.2
Jackson	4	73.6	12	547.7	0	0.0	16	205.3
Jefferson	22	16.4	146	232.7	9	27.3	267	116.2
Jefferson Davis	8	63.0	8	283.7	1	189.4	20	124.7
Lafayette	42	56.2	157	559.4	2	36.6	247	228.1
Lafourche	8	21.1	26	374.7	0	0.0	49	102.2
La Salle	3	50.3	3	438.0	0	0.0	6	87.5
Lincoln	4	33.6	60	645.9	0	0.0	74	335.3
Livingston	8	14.3	4	101.5	0	0.0	19	30.5
Madison	0	0.0	15	421.7	0	0.0	16	276.6
Morehouse	8	103.0	50	753.0	1	326.8	68	462.3
Natchitoches	5	44.0	61	745.1	2	219.8	80	391.1
Orleans	22	41.8	498	416.2	3	19.2	654	348.1
Ouachita	33	68.4	259	905.7	1	37.5	343	431.4
Plaquemines	1	14.1	4	178.1	0	0.0	7	67.1
Pointe Coupee	2	29.4	6	136.3	0	0.0	10	86.9
Rapides	17	38.5	133	610.3	3	90.2	176	254.1
Red River	1	38.9	7	346.4	0	0.0	9	191.3
Richland	6	91.6	29	731.6	0	0.0	37	343.1
Sabine	1	12.0	7	330.7	0	0.0	10	82.8
St. Bernard	4	26.7	15	451.7	0	0.0	20	95.9
St. Charles	7	40.1	13	178.6	0	0.0	35	133.0
St. Helena	0	0.0	6	210.5	0	0.0	8	146.5
St. James	1	19.1	19	349.3	0	0.0	20	183.9
St. John The Baptist	5	48.5	31	251.1	1	66.3	49	202.7
St. Landry	12	45.7	89	435.4	1	87.4	118	246.6
St. Martin	15	86.5	42	502.2	1	117.8	74	278.8
St. Mary	4	25.7	36	419.6	1	53.4	56	215.4
St. Tammany	12	12.5	33	232.3	1	12.8	70	59.3
Tangipahoa	11	26.9	122	669.9	0	0.0	167	272.5
Tensas	0	0.0	1	65.1	0	0.0	2	71.9
Terrebonne	37	93.9	38	365.6	0	0.0	102	184.0
Union	3	37.9	12	377.0	0	0.0	19	163.3
Vermilion	8	35.0	14	325.9	1	62.3	31	107.8
Vernon	11	66.6	48	1812.7	2	52.7	66	287.6
Washington	12	76.8	37	521.0	0	0.0	62	265.4
Webster	4	30.3	42	592.4	0	0.0	53	253.1
West Baton Rouge	3	43.2	23	549.5	0	0.0	27	235.3
West Carroll	2	44.5	5	567.5	0	0.0	9	162.5
West Feliciana	0	0.0	5	269.4	0	0.0	5	97.4
Winn	0	0.0	11	551.1	0	0.0	12	166.9

\*The totals include cases with unknown race.

\*\*The Louisiana strata include cases with unknown parish.

Table 11: Male Gonorrhea by Race, Louisiana Parishes 2009

Parish	White		Black		Other		Total*	
	Cases	Rates	Cases	Rates	Cases	Rates	Cases	Rates
<b>LOUISIANA**</b>	<b>235</b>	<b>17.56</b>	<b>3068</b>	<b>454.20</b>	<b>31</b>	<b>20.05</b>	<b>3920</b>	<b>179.39</b>
Acadia	9	38.8	27	507.2	0	0.0	45	153.8
Allen	3	34.1	5	126.9	0	0.0	10	69.7
Ascension	5	13.2	18	172.4	2	54.7	28	53.8
Assumption	0	0.0	12	362.0	0	0.0	12	107.8
Avoyelles	0	0.0	7	106.0	0	0.0	8	38.3
Beauregard	1	7.0	15	608.5	0	0.0	16	89.8
Bienville	1	24.6	9	319.3	0	0.0	14	198.2
Bossier	9	23.2	59	546.4	1	19.7	75	137.1
Caddo	11	18.4	468	852.3	3	50.8	526	436.4
Calcasieu	10	15.3	80	366.1	1	23.5	100	109.3
Caldwell	0	0.0	3	287.1	0	0.0	3	56.5
Cameron	0	0.0	0	0.0	0	0.0	0	0.0
Catahoula	0	0.0	3	198.8	0	0.0	4	75.7
Claiborne	0	0.0	8	194.6	0	0.0	8	95.3
Concordia	0	0.0	4	112.5	0	0.0	5	53.7
De Soto	6	79.3	26	562.5	0	0.0	33	260.3
East Baton Rouge	11	10.5	327	364.2	1	6.6	428	204.5
East Carroll	0	0.0	6	213.5	0	0.0	8	190.2
East Feliciana	0	0.0	15	296.3	1	450.5	17	151.3
Evangeline	3	25.2	14	264.9	0	0.0	17	96.2
Franklin	1	15.4	13	463.5	0	0.0	16	168.2
Grant	1	11.8	7	672.4	0	0.0	8	80.7
Iberia	6	26.3	56	506.3	0	0.0	84	231.5
Iberville	0	0.0	14	173.3	0	0.0	18	110.3
Jackson	0	0.0	10	538.5	0	0.0	11	151.3
Jefferson	18	14.5	157	284.8	8	23.5	227	106.3
Jefferson Davis	6	49.9	10	400.2	0	0.0	18	119.6
Lafayette	13	18.2	152	603.6	3	50.6	213	207.4
Lafourche	4	10.9	24	404.8	0	0.0	36	78.7
La Salle	0	0.0	0	0.0	0	0.0	0	0.0
Lincoln	2	16.5	40	491.8	0	0.0	45	212.1
Livingston	8	14.5	8	223.7	0	0.0	21	34.4
Madison	0	0.0	11	328.3	0	0.0	14	250.0
Morehouse	2	27.0	41	705.8	0	0.0	48	355.2
Natchitoches	1	9.4	63	871.9	0	0.0	67	356.4
Orleans	21	39.3	564	576.7	4	25.4	663	397.1
Ouachita	7	15.6	190	775.9	0	0.0	248	344.4
Plaquemines	1	13.9	1	46.9	0	0.0	3	28.5
Pointe Coupee	0	0.0	5	129.8	0	0.0	5	45.7
Rapides	5	12.1	93	473.7	3	82.1	109	168.5
Red River	0	0.0	8	470.9	0	0.0	8	186.1
Richland	1	16.8	5	145.0	0	0.0	12	124.5
Sabine	0	0.0	4	217.6	0	0.0	4	34.3
St. Bernard	2	14.2	8	266.8	0	0.0	12	60.6
St. Charles	0	0.0	9	138.1	0	0.0	14	55.4
St. Helena	0	0.0	12	476.0	0	0.0	12	235.8
St. James	0	0.0	12	248.9	0	0.0	14	137.5
St. John The Baptist	0	0.0	26	232.2	0	0.0	32	139.6
St. Landry	5	19.9	62	343.0	1	79.8	75	168.6
St. Martin	4	23.2	30	397.4	0	0.0	39	151.9
St. Mary	1	6.6	25	329.5	0	0.0	42	169.3
St. Tammany	11	11.9	19	146.9	0	0.0	40	35.2
Tangipahoa	5	12.8	79	498.4	0	0.0	90	156.8
Tensas	0	0.0	1	63.1	0	0.0	1	35.4
Terrebonne	10	26.1	30	317.6	0	0.0	50	92.9
Union	2	26.6	10	351.6	0	0.0	12	109.6
Vermilion	7	32.0	15	398.8	1	57.9	38	138.8
Vernon	8	47.7	41	1278.5	2	54.2	53	224.0
Washington	8	54.1	31	444.0	0	0.0	45	201.7
Webster	3	23.6	27	437.0	0	0.0	37	188.8
West Baton Rouge	2	29.4	13	338.1	0	0.0	17	152.3
West Carroll	0	0.0	1	84.2	0	0.0	2	34.5
West Feliciana	0	0.0	5	91.1	0	0.0	5	50.4
Winn	1	19.7	12	430.3	0	0.0	13	159.7

\*The totals include cases with unknown race.

\*\*The Louisiana strata include cases with unknown parish.

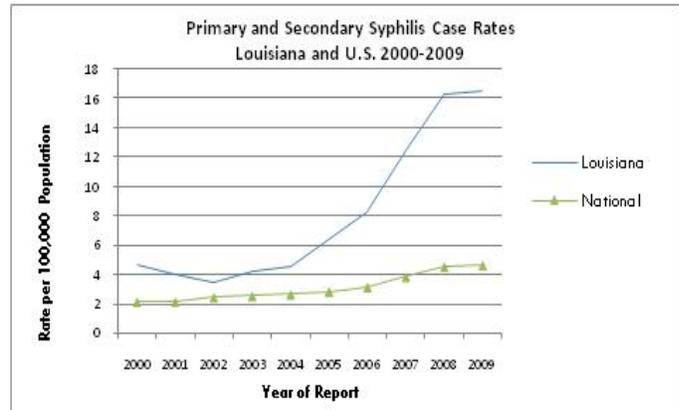
# Syphilis

## [ PRIMARY AND SECONDARY SYPHILIS | 2008 ]

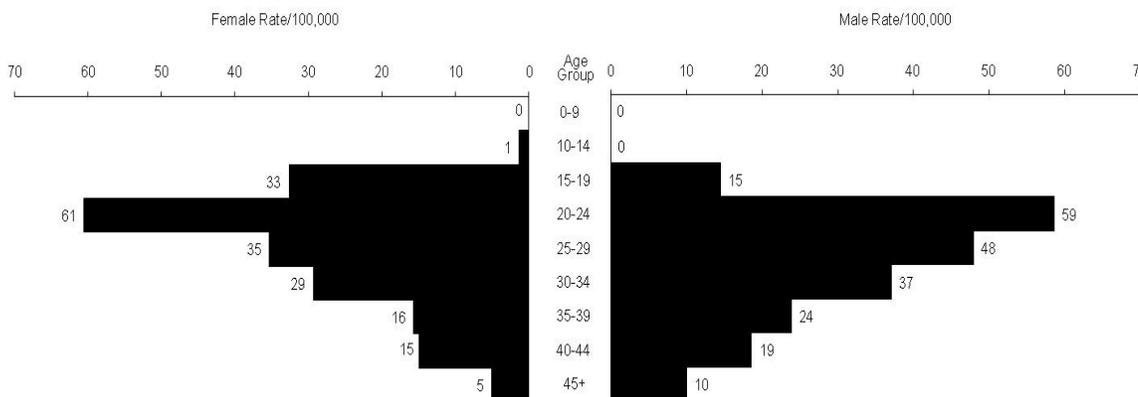
Syphilis is one of the three most commonly reported STDs. It is caused by the bacterium *Treponema pallidum* and is transmitted through contact with an infected genital ulcer. These ulcers also facilitate the sexual transmission and contraction of HIV.<sup>7</sup> The Primary and Secondary stages are the most infectious stages of Syphilis.

According to CDC Surveillance reports, Louisiana has consistently had high rates of Primary and Secondary Syphilis (P & S Syphilis) compared to other U.S. states. Since 2006, Louisiana has ranked highest in the nation for Primary and Secondary Syphilis rates. Between 2008 and 2009, the rate increased by 1% from 16.35 to 16.52 per 100,000 population.

**Figure 5: Primary and Secondary Case Rates**



- There were 742 cases reported in 2009, a 3% increase compared to 721 cases reported in 2008.
- Approximately 84% of the 2009 cases were Black, reflecting the significant health disparity that exists in Louisiana.
- In 2009, nearly 53% of Primary and Secondary Syphilis cases were males. (Table 12) However, females had the highest age and gender specific rate which was 61 per 100,000 female population aged 20 to 24 years. (Figure 6)



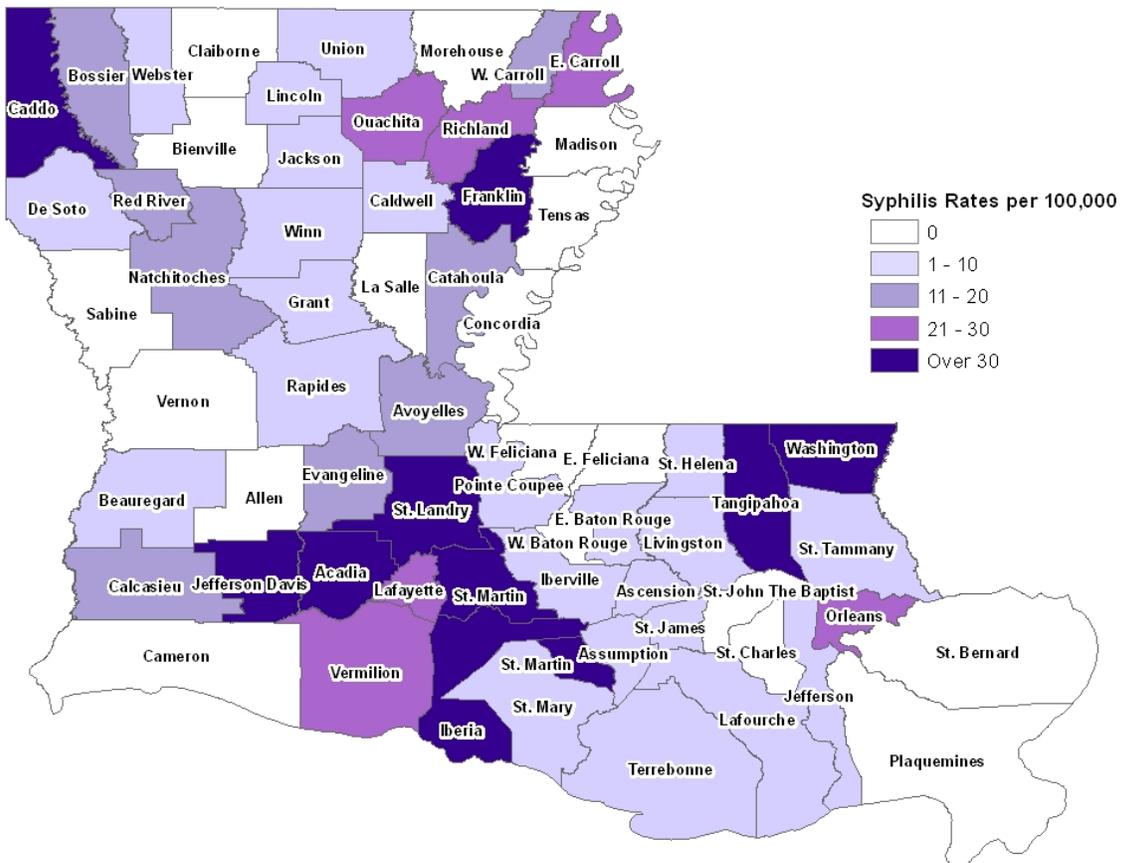
**Figure 6: Primary and Secondary Syphilis-Age and Gender Specific Rates, Louisiana 2009**

Table 12: Primary and Secondary Syphilis Race, Ethnicity, and Gender Specific Rates

	P&S Syphilis			Population	
	Case	Percent	Rate	Number	Percent
<b>Louisiana Total</b>	742	100.00%	16.52	4,492,076	100.00%
<b>Female Total</b>	349	47.04%	15.13	2,306,941	51.36%
White	56	16.05%	3.98	1,405,387	60.92%
Hispanic	0	0.00%	0.00	76,721	3.33%
Asian/Pacific Islander	1	0.29%	2.97	33,667	1.46%
Black	292	83.67%	38.68	754,963	32.73%
American Indian/Alaskan Native	0	0.00%	0.00	13,163	0.57%
Other/Unknown	0	0.00%	-	-	-
<b>Male Total</b>	393	52.96%	17.99	2,185,135	48.64%
White	57	14.50%	4.21	1,355,080	62.01%
Hispanic	2	0.51%	2.32	86,260	3.95%
Asian/Pacific Islander	0	0.00%	0.00	32,519	1.49%
Black	332	84.48%	49.15	675,466	30.91%
American Indian/Alaskan Native	0	0.00%	0.00	13,267	0.61%
Other/Unknown	2	0.51%	-	-	-

Map 3: Primary and Secondary Syphilis Rates

Primary and Secondary Syphilis Rates by Parish, Louisiana 2009



Geographic Data obtained from the US Census Bureau, 2009<sup>8</sup>

Table 13: 2009 Primary and Secondary Syphilis by Race, Regions 1-5

P&S Syphilis, Regions 1-5								
Parish	White		Black		Other		Total	
	Cases	Rates	Cases	Rates	Cases	Rates	Cases	Rates
<b>Region 1</b>	<b>18</b>	<b>4.4</b>	<b>108</b>	<b>31.2</b>	<b>2</b>	<b>1.9</b>	<b>128</b>	<b>14.9</b>
Jefferson	9	3.5	25	21.2	0	0.0	34	7.7
Orleans	9	8.5	83	38.2	2	6.4	94	26.5
Plaquemines	0	0.0	0	0.0	0	0.0	0	0.0
St. Bernard	0	0.0	0	0.0	0	0.0	0	0.0
<b>Region 2</b>	<b>5</b>	<b>1.4</b>	<b>42</b>	<b>16.0</b>	<b>0</b>	<b>0.0</b>	<b>47</b>	<b>7.3</b>
Ascension	1	1.3	2	9.0	0	0.0	3	2.9
E. Baton Rouge	2	0.9	38	19.8	0	0.0	40	9.2
E. Feliciana	0	0.0	0	0.0	0	0.0	0	0.0
Iberville	1	6.3	2	12.5	0	0.0	3	9.2
Pointe Coupee	1	7.4	0	0.0	0	0.0	1	4.5
W. Baton Rouge	0	0.0	0	0.0	0	0.0	0	0.0
W. Feliciana	0	0.0	0	0.0	0	0.0	0	0.0
<b>Region 3</b>	<b>1</b>	<b>0.4</b>	<b>11</b>	<b>10.6</b>	<b>0</b>	<b>0.0</b>	<b>12</b>	<b>3.0</b>
Assumption	0	0.0	1	14.2	0	0.0	1	4.4
Lafourche	0	0.0	2	15.5	0	0.0	2	2.1
St. Charles	0	0.0	0	0.0	0	0.0	0	0.0
St. James	1	9.6	0	0.0	0	0.0	1	4.7
St. John The Baptist	0	0.0	0	0.0	0	0.0	0	0.0
St. Mary	0	0.0	3	18.6	0	0.0	3	5.9
Terrebonne	0	0.0	5	25.2	0	0.0	5	4.6
<b>Region 4</b>	<b>44</b>	<b>11.1</b>	<b>144</b>	<b>89.4</b>	<b>1</b>	<b>3.9</b>	<b>189</b>	<b>33.0</b>
Acadia	7	14.8	18	159.7	0	0.0	25	41.6
Evangeline	2	8.3	4	38.9	0	0.0	6	17.0
Iberia	6	12.8	25	105.3	0	0.0	31	41.3
Lafayette	14	9.6	32	60.1	0	0.0	46	21.8
St. Landry	5	9.7	44	114.2	0	0.0	49	53.1
St. Martin	3	8.7	12	75.4	1	57.7	16	30.6
Vermilion	7	40.6	9	111.7	0	0.0	16	34.3
<b>Region 5</b>	<b>5</b>	<b>2.4</b>	<b>31</b>	<b>50.0</b>	<b>0</b>	<b>0.0</b>	<b>36</b>	<b>12.6</b>
Allen	0	0.0	0	0.0	0	0.0	0	0.0
Beauregard	1	3.5	0	0.0	0	0.0	1	2.8
Calcasieu	2	1.5	23	50.5	0	0.0	25	13.3
Cameron	0	0.0	0	0.0	0	0.0	0	0.0
Jefferson Davis	2	8.1	8	150.4	0	0.0	10	32.2

Table 14: 2009 Primary and Secondary Syphilis by Race, Regions 6-9

P&S Syphilis, Regions 6-9								
Parish	White		Black		Other		Total	
	Cases	Rates	Cases	Rates	Cases	Rates	Cases	Rates
<b>Region 6</b>	<b>2</b>	<b>1.0</b>	<b>16</b>	<b>20.1</b>	<b>0</b>	<b>0.0</b>	<b>18</b>	<b>6.0</b>
Avoyelles	0	0.0	5	38.3	0	0.0	5	11.8
Catahoula	1	13.6	1	34.5	0	0.0	2	19.1
Concordia	0	0.0	0	0.0	0	0.0	0	0.0
Grant	1	5.8	0	0.0	0	0.0	1	5.0
La Salle	0	0.0	0	0.0	0	0.0	0	0.0
Rapides	0	0.0	9	21.7	0	0.0	9	6.7
Vernon	0	0.0	0	0.0	0	0.0	0	0.0
Winn	0	0.0	1	16.4	0	0.0	1	6.5
<b>Region 7</b>	<b>16</b>	<b>5.3</b>	<b>152</b>	<b>75.5</b>	<b>1</b>	<b>3.3</b>	<b>169</b>	<b>32.7</b>
Bienville	0	0.0	0	0.0	0	0.0	0	0.0
Bossier	4	5.1	16	69.6	0	0.0	20	17.9
Caddo	12	9.7	126	106.7	1	8.5	139	54.8
Claiborne	0	0.0	0	0.0	0	0.0	0	0.0
De Soto	0	0.0	1	9.9	0	0.0	1	3.8
Natchitoches	0	0.0	5	32.4	0	0.0	5	12.7
Red River	0	0.0	1	26.9	0	0.0	1	11.1
Sabine	0	0.0	0	0.0	0	0.0	0	0.0
Webster	0	0.0	3	160.0	0	0.0	3	13.3
<b>Region 8</b>	<b>4</b>	<b>1.9</b>	<b>59</b>	<b>46.9</b>	<b>0</b>	<b>0.0</b>	<b>63</b>	<b>16.4</b>
Caldwell	1	12.1	0	0.0	0	0.0	1	9.6
E. Carroll	0	0.0	2	36.8	0	0.0	2	24.7
Franklin	0	0.0	7	116.8	0	0.0	7	35.3
Jackson	0	0.0	1	24.7	0	0.0	1	6.6
Lincoln	0	0.0	3	17.2	0	0.0	3	6.9
Madison	0	0.0	0	0.0	0	0.0	0	0.0
Morehouse	0	0.0	0	0.0	0	0.0	0	0.0
Ouachita	1	1.1	40	75.3	0	0.0	41	27.1
Richland	1	8.0	4	54.0	0	0.0	5	24.5
W. Carroll	0	0.0	0	0.0	0	0.0	0	0.0
Tensas	0	0.0	1	48.4	0	0.0	1	1.8
Union	1	0.9	1	13.3	0	0.0	2	13.3
<b>Region 9</b>	<b>18</b>	<b>4.3</b>	<b>60</b>	<b>68.0</b>	<b>1</b>	<b>3.8</b>	<b>79</b>	<b>15.1</b>
Livingston	3	2.7	0	0.0	0	0.0	3	2.4
St. Helena	0	0.0	1	18.6	0	0.0	1	9.5
St. Tammany	4	2.1	4	14.7	1	6.4	9	3.9
Tangipahoa	5	6.2	35	102.7	0	0.0	40	33.7
Washington	6	19.7	20	142.0	0	0.0	26	64.1

Table 15: Female Primary and Secondary Syphilis, Louisiana Parishes 2009

Parish	White		Black		Other		Total*	
	Cases	Rates	Cases	Rates	Cases	Rates	Cases	Rates
<b>LOUISIANA**</b>	<b>56</b>	<b>3.98</b>	<b>292</b>	<b>38.68</b>	<b>1</b>	<b>0.68</b>	<b>349</b>	<b>15.13</b>
Acadia	2	8.3	12	201.6	0	0.0	14	45.4
Allen	0	0.0	0	0.0	0	0.0	0	0.0
Ascension	0	0.0	2	16.9	0	0.0	2	3.8
Assumption	0	0.0	1	26.9	0	0.0	1	8.5
Avoyelles	0	0.0	2	31.1	0	0.0	2	9.3
Beauregard	0	0.0	0	0.0	0	0.0	0	0.0
Bienville	0	0.0	0	0.0	0	0.0	0	0.0
Bossier	2	5.0	9	73.9	0	0.0	11	19.4
Caddo	9	14.1	65	102.8	0	0.0	74	55.6
Calcasieu	1	1.5	10	42.2	0	0.0	11	11.5
Caldwell	1	24.2	0	0.0	0	0.0	1	19.5
Cameron	0	0.0	0	0.0	0	0.0	0	0.0
Catahoula	1	27.2	1	72.0	0	0.0	2	38.7
Claiborne	0	0.0	0	0.0	0	0.0	0	0.0
Concordia	0	0.0	0	0.0	0	0.0	0	0.0
De Soto	0	0.0	0	0.0	0	0.0	0	0.0
East Baton Rouge	1	0.9	23	22.5	0	0.0	24	10.6
East Carroll	0	0.0	0	0.0	0	0.0	0	0.0
East Feliciana	0	0.0	0	0.0	0	0.0	0	0.0
Evangeline	0	0.0	2	39.9	0	0.0	2	11.3
Franklin	0	0.0	3	94.0	0	0.0	3	29.1
Grant	1	11.6	0	0.0	0	0.0	1	9.8
Iberia	2	8.4	11	86.7	0	0.0	13	33.5
Iberville	1	12.5	1	12.7	0	0.0	2	12.4
Jackson	0	0.0	1	45.6	0	0.0	1	12.8
Jefferson	3	2.2	8	12.8	0	0.0	11	4.8
Jefferson Davis	1	7.9	4	141.8	0	0.0	5	31.2
Lafayette	8	10.7	9	32.1	0	0.0	17	15.7
Lafourche	0	0.0	0	0.0	0	0.0	0	0.0
La Salle	0	0.0	0	0.0	0	0.0	0	0.0
Lincoln	0	0.0	0	0.0	0	0.0	0	0.0
Livingston	3	5.4	0	0.0	0	0.0	3	4.8
Madison	0	0.0	0	0.0	0	0.0	0	0.0
Morehouse	0	0.0	0	0.0	0	0.0	0	0.0
Natchitoches	0	0.0	3	36.6	0	0.0	3	14.7
Orleans	2	3.8	19	15.9	0	0.0	21	11.2
Ouachita	0	0.0	18	62.9	0	0.0	18	22.6
Plaquemines	0	0.0	0	0.0	0	0.0	0	0.0
Pointe Coupee	1	14.7	0	0.0	0	0.0	1	8.7
Rapides	0	0.0	4	18.4	0	0.0	4	5.8
Red River	0	0.0	1	49.5	0	0.0	1	21.3
Richland	1	15.3	2	50.5	0	0.0	3	27.8
Sabine	0	0.0	0	0.0	0	0.0	0	0.0
St. Bernard	0	0.0	0	0.0	0	0.0	0	0.0
St. Charles	0	0.0	0	0.0	0	0.0	0	0.0
St. Helena	0	0.0	0	0.0	0	0.0	0	0.0
St. James	1	19.1	0	0.0	0	0.0	1	9.2
St. John The Baptist	0	0.0	0	0.0	0	0.0	0	0.0
St. Landry	4	15.2	22	107.6	0	0.0	26	54.3
St. Martin	3	17.3	4	47.8	0	0.0	7	26.4
St. Mary	0	0.0	2	23.3	0	0.0	2	7.7
St. Tammany	1	1.0	2	14.1	1	12.8	4	3.4
Tangipahoa	3	7.3	22	120.8	0	0.0	25	40.8
Tensas	0	0.0	0	0.0	0	0.0	0	0.0
Terrebonne	0	0.0	5	48.1	0	0.0	5	9.0
Union	0	0.0	0	0.0	0	0.0	0	0.0
Vermilion	2	8.7	3	69.8	0	0.0	5	17.4
Vernon	0	0.0	0	0.0	0	0.0	0	0.0
Washington	1	6.4	17	239.4	0	0.0	18	77.1
Webster	0	0.0	2	28.2	0	0.0	2	9.6
West Baton Rouge	0	0.0	0	0.0	0	0.0	0	0.0
West Carroll	1	22.2	1	113.5	0	0.0	2	36.1
West Feliciana	0	0.0	0	0.0	0	0.0	0	0.0
Winn	0	0.0	1	50.1	0	0.0	1	13.9

\*The totals include cases with unknown race.

\*\*The Louisiana strata include cases with unknown parish.

Table 16: Male Primary and Secondary Syphilis by Race, Louisiana Parishes 2009

Parish	White		Black		Other		Total*	
	Cases	Rates	Cases	Rates	Cases	Rates	Cases	Rates
LOUISIANA**	57	4.21	332	49.15	4	2.59	393	17.99
Acadia	5	21.6	6	112.7	0	0.0	11	37.6
Allen	0	0.0	0	0.0	0	0.0	0	0.0
Ascension	1	2.6	0	0.0	0	0.0	1	1.9
Assumption	0	0.0	0	0.0	0	0.0	0	0.0
Avoyelles	0	0.0	3	45.4	0	0.0	3	14.3
Beauregard	1	7.0	0	0.0	0	0.0	1	5.6
Bienville	0	0.0	0	0.0	0	0.0	0	0.0
Bossier	2	5.2	7	64.8	0	0.0	9	16.5
Caddo	3	5.0	61	111.1	1	16.9	65	53.9
Calcasieu	1	1.5	13	59.5	0	0.0	14	15.3
Caldwell	0	0.0	0	0.0	0	0.0	0	0.0
Cameron	0	0.0	0	0.0	0	0.0	0	0.0
Catahoula	0	0.0	0	0.0	0	0.0	0	0.0
Claiborne	0	0.0	0	0.0	0	0.0	0	0.0
Concordia	0	0.0	0	0.0	0	0.0	0	0.0
De Soto	0	0.0	1	21.6	0	0.0	1	7.9
East Baton Rouge	1	1.0	15	16.7	0	0.0	16	7.6
East Carroll	0	0.0	2	71.2	0	0.0	2	47.6
East Feliciana	0	0.0	0	0.0	0	0.0	0	0.0
Evangeline	2	16.8	2	37.8	0	0.0	4	22.6
Franklin	0	0.0	4	142.6	0	0.0	4	42.0
Grant	0	0.0	0	0.0	0	0.0	0	0.0
Iberia	4	17.5	14	126.6	0	0.0	18	49.6
Iberville	0	0.0	1	12.4	0	0.0	1	6.1
Jackson	0	0.0	0	0.0	0	0.0	0	0.0
Jefferson	6	4.8	17	30.8	0	0.0	23	10.8
Jefferson Davis	1	8.3	4	160.1	0	0.0	5	33.2
Lafayette	6	8.4	23	91.3	0	0.0	29	28.2
Lafourche	0	0.0	2	33.7	0	0.0	2	4.4
La Salle	0	0.0	0	0.0	0	0.0	0	0.0
Lincoln	0	0.0	3	36.9	0	0.0	3	14.1
Livingston	0	0.0	0	0.0	0	0.0	0	0.0
Madison	0	0.0	0	0.0	0	0.0	0	0.0
Morehouse	0	0.0	0	0.0	0	0.0	0	0.0
Natchitoches	0	0.0	2	27.7	0	0.0	2	10.6
Orleans	7	13.1	64	65.4	2	12.7	73	43.7
Ouachita	1	2.2	22	89.8	0	0.0	23	31.9
Plaquemines	0	0.0	0	0.0	0	0.0	0	0.0
Pointe Coupee	0	0.0	0	0.0	0	0.0	0	0.0
Rapides	0	0.0	5	25.5	0	0.0	5	7.7
Red River	0	0.0	0	0.0	0	0.0	0	0.0
Richland	0	0.0	2	58.0	0	0.0	2	20.8
Sabine	0	0.0	0	0.0	0	0.0	0	0.0
St. Bernard	0	0.0	0	0.0	0	0.0	0	0.0
St. Charles	0	0.0	0	0.0	0	0.0	0	0.0
St. Helena	0	0.0	1	39.7	0	0.0	1	19.6
St. James	0	0.0	0	0.0	0	0.0	0	0.0
St. John The Baptist	0	0.0	0	0.0	0	0.0	0	0.0
St. Landry	1	4.0	22	121.7	0	0.0	23	51.7
St. Martin	0	0.0	8	106.0	1	113.1	9	35.1
St. Mary	0	0.0	1	13.2	0	0.0	1	4.0
St. Tammany	3	3.2	2	15.5	0	0.0	5	4.4
Tangipahoa	2	5.1	13	82.0	0	0.0	15	26.1
Tensas	0	0.0	0	0.0	0	0.0	0	0.0
Terrebonne	0	0.0	0	0.0	0	0.0	0	0.0
Union	0	0.0	1	35.2	0	0.0	1	9.1
Vermilion	5	22.8	6	159.5	0	0.0	11	40.2
Vernon	0	0.0	0	0.0	0	0.0	0	0.0
Washington	5	33.8	3	43.0	0	0.0	8	35.9
Webster	0	0.0	1	16.2	0	0.0	1	5.1
West Baton Rouge	0	0.0	0	0.0	0	0.0	0	0.0
West Carroll	0	0.0	0	0.0	0	0.0	0	0.0
West Feliciana	0	0.0	0	0.0	0	0.0	0	0.0
Winn	0	0.0	0	0.0	0	0.0	0	0.0

\*The totals include cases with unknown race.

\*\*The Louisiana strata include cases with unknown parish.

## [EARLY SYPHILIS | 2009]

A syphilis diagnosis with less than one year duration is considered to be “Early Syphilis.” This designation covers the Primary, Secondary, and Early Latent stages of Syphilis. If not detected and treated early, Syphilis may lead to long-term health problems including blindness, dementia, paralysis, and other damage to internal organs.<sup>7</sup>

Table 17: Early Syphilis Comparison of Race, Ethnicity, and Gender-Specific Rates

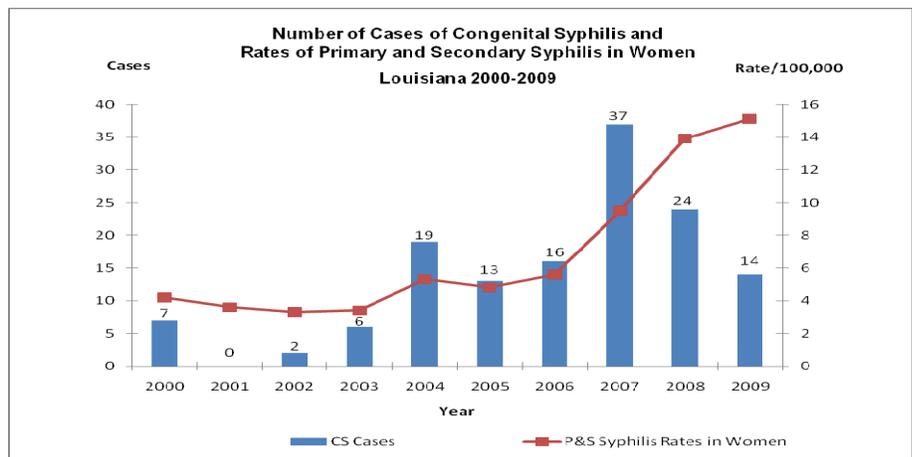
	Primary and Secondary			Early Latent		
	Number	Percent	Rate	Number	Percent	Rate
<b>Gender</b>						
Women	349	47%	15.1	428	53%	18.6
Men	393	53%	18.0	377	47%	17.3
<b>Race/Ethnicity</b>						
White	113	15.2%	4.1	115	14.3%	4.2
Black	624	84.1%	43.6	667	82.9%	46.6
Hispanic	2	0.3%	1.2	4	0.5%	2.5
Asian/Pacific Islander	1	0.1%	1.5	3	0.4%	4.5
American Indian/Alaskan Native	0	0.0%	0.0	1	0.1%	3.8
Other/Unknown	2	0.3%	-	15	1.9%	-
<b>Age Group</b>						
0-14	2	0.3%	0.2	2	0.2%	0.2
15-19	76	10.2%	23.4	82	10.2%	25.2
20-24	205	27.6%	59.6	217	27.0%	63.0
25-29	142	19.1%	41.6	179	22.2%	52.5
30-34	94	12.7%	33.2	90	11.2%	31.8
35-44	102	13.7%	18.2	132	16.4%	23.5
45+	121	16.3%	7.1	103	12.8%	6.0
<b>Total</b>	<b>742</b>	<b>100%</b>	<b>16.5</b>	<b>805</b>	<b>100%</b>	<b>18.1</b>

## [CONGENITAL SYPHILIS | 2009]

Congenital Syphilis cases occur when a pregnant woman with Syphilis passes the infection on to her infant while carrying the baby. This can result in stillbirth, death of the newborn, or significant future health and developmental problems.<sup>7</sup>

In Louisiana, there were a total of 14 Congenital Syphilis cases reported in 2009. This was a 41.6% reduction in cases compared to 2008 in which 24 cases were reported. Louisiana’s Congenital Syphilis rate declined from 36.3 cases per 100,000 live births in 2008 to approximately 29.2 per 100,000 live births. In 2009, the Louisiana Congenital Syphilis rate fell from 1<sup>st</sup> to 7<sup>th</sup> highest in the nation compared to 2008.<sup>2</sup>

Figure 7: Congenital Syphilis Cases



## References

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