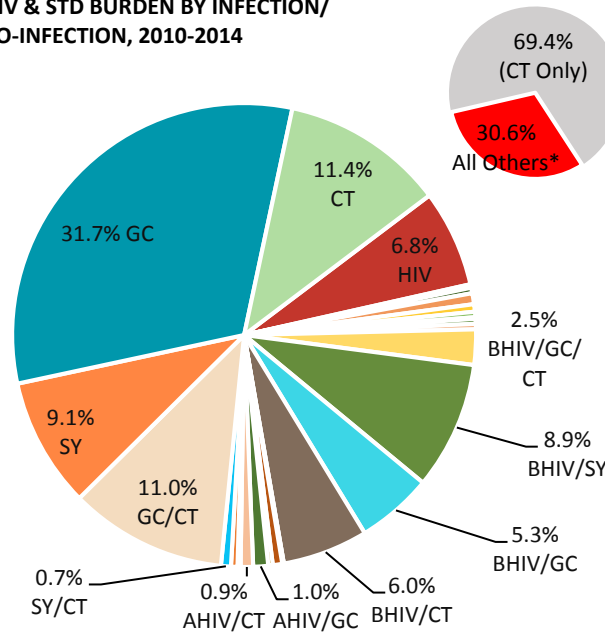


# Northeast

## Health District No. 47



HIV & STD BURDEN BY INFECTION/ CO-INFECTION, 2010-2014



\*Residents with a HIV, Syphilis, Gonorrhea or high risk Chlamydia incident in 2010-2014. Residents with only Chlamydia incidents are excluded from the larger pie chart and data shown "among infected persons".

**Count** of infected persons  
**PLWH (+ STD): 627**  
**STD Only: 1,290**

RESIDENT CHARACTERISTICS AMONG INFECTED PERSONS <sup>2</sup>		
	N	% of LAC Total
Residents Represented <sup>6</sup>	1,917	3.0%

	N	%	LAC %
<b>Current Gender<sup>7</sup></b>			
Male	1,381	72.0%	69.7%
Female	529	27.6%	29.9%
Transgender	6	0.3%	0.3%
Transgender M-F	-	-	0.2%
Transgender F-M	-	-	0.0%

	N	%	LAC %
<b>Race/Ethnicity<sup>7</sup></b>			
White	273	14.2%	20.8%
African American	135	7.0%	29.5%
Latino	1,358	70.8%	38.1%
Asian	55	2.9%	11.6%
AI/AN <sup>8</sup>	5	0.3%	3.5%
NHOP <sup>8</sup>	-	-	0.3%

	N	%	LAC %
<b>Select Populations</b>			
MSM/MSMW	861	44.9%	38.4%
Youth (15-19 years) <sup>9</sup>	182	9.5%	13.4%
Youth (15-24 years) <sup>9</sup>	648	33.8%	38.3%
Pregnant <sup>9</sup>	89	4.6%	4.4%

	N	%	LAC %
<b>Syphilis Stage (if any)<sup>9</sup></b>			
Early Syphilis <sup>10</sup>	332	17.3%	14.0%
Congenital Syphilis	3	0.2%	0.1%

INFECTION CHARACTERISTICS AMONG INFECTED PERSONS<sup>2</sup>

	N	% of LAC Total
Infections & Co-infections <sup>5</sup>	2,883	3.0%

	N	% of LAC Total
Incidents Represented <sup>3</sup>		

HIV Incidents	312	3.2%
Syphilis Incidents	622	3.9%
Gonorrhea Incidents	1,572	2.8%
Chlamydia Incidents	998	2.7%

**ACRONYMS**  
 SY = Syphilis      GC = Gonorrhea      CT = Chlamydia  
 PLWH (+ STD) = Persons living with HIV who had an STD in 2010-2014 or were diagnosed with HIV in 2010-2014  
 AHIV = Acquired HIV 30 days or more **after** STD infection  
 BHIV = Acquired HIV 30 days or more **before** STD infection  
 WHIV = HIV co-infected at time of STD infection (within +/- 30 days)  
 LAC = Los Angeles County  
 % of LAC = (# in Health District w/characteristic ÷ Total LAC)  
 LAC % = (# in LAC w/characteristic ÷ Total LAC)

**Rank 9 out of 26<sup>1</sup>**

**Average infections per infected person<sup>2</sup> 1.50**

**Average infections per year per square mile<sup>2</sup> 21.05**

ALL HIV & STD INCIDENTS <sup>3</sup>		
Rate Per 100,000 Person-Years	Rate	Los Angeles County (LAC) Rate
HIV, 2010-2014	20	19
Syphilis, 2010-2014	41	32
Gonorrhea, 2010-2014	103	112
Chlamydia, 2010-2014 <sup>4</sup>	492	461

Data Source: LAC/DPH HIV and STD Surveillance (as of 9/26/16), Long Beach Health and Human Services STD Surveillance (as of 7/1/15), Pasadena Health Department STD Surveillance (as of 6/9/16), LAC/DPH OHAE [Health District boundaries], Los Angeles Times [LA Times Neighborhood boundaries]. 2010-2014 population estimates and 2014 population demographics provided by LAC/ISD & contracted through Hedderson Demographic Services. Data Creation and Cartography: Program Evaluation & Data Management, Division of HIV and STD Programs, LAC/DPH

RESIDENT CHARACTERISTICS AMONG INFECTED PERSONS <sup>2</sup>			
	N	%	LAC %
<b>Recurrent STD Infections</b>			
Syphilis (SY)			
1 incident	460	24.0%	19.5%
2 incidents	45	2.3%	2.2%
3 incidents	16	0.8%	0.4%
4 or more	6	0.3%	0.1%
Gonorrhea (GC)			
1 incident	1,043	54.4%	59.6%
2 incidents	125	6.5%	8.1%
3 incidents	45	2.3%	2.0%
4 or more	27	1.4%	1.2%
Chlamydia (CT)			
1 incident	491	25.6%	25.6%
2 incidents	129	6.7%	8.0%
3 incidents	43	2.2%	3.0%
4 or more	23	1.2%	1.7%
	N	%	LAC %
<b>Infection &amp; Co-infection Combinations<sup>5,9,11</sup></b>			
HIV Infection Only			
	195	10.2%	9.3%
Co-Infected w/HIV			
SY, GC, CT	5	0.3%	0.1%
SY, GC	2	0.1%	0.1%
SY, CT	0	0.0%	0.1%
GC, CT	11	0.4%	0.3%
Syphilis (SY)	22	0.8%	1.0%
Gonorrhea (GC)	15	0.5%	0.6%
Chlamydia (CT)	11	0.4%	0.6%
Acquired HIV Infection <u>Before</u> STD			
SY, GC, CT	3	0.2%	0.3%
SY, GC	8	0.4%	0.5%
SY, CT	11	0.6%	0.6%
GC, CT	55	2.9%	2.3%
Syphilis (SY)	191	10.0%	7.7%
Gonorrhea (GC)	114	5.9%	5.9%
Chlamydia (CT)	129	6.7%	6.3%

RESIDENT CHARACTERISTICS AMONG INFECTED PERSONS <sup>2</sup>			
	N	%	LAC %
<b>Infection &amp; Co-infection Combinations<sup>5,9,11</sup></b>			
Acquired HIV Infection <u>After</u> STD			
SY, GC, CT	0	0.0%	0.0%
SY, GC	3	0.2%	0.1%
SY, CT	0	0.0%	0.1%
GC, CT	14	0.7%	0.5%
Syphilis (SY)	9	0.5%	0.5%
Gonorrhea (GC)	23	1.2%	1.1%
Chlamydia (CT)	23	1.2%	1.0%
No HIV Infection			
SY, GC, CT	6	0.3%	0.2%
SY, GC	12	0.6%	0.6%
SY, CT	20	1.0%	0.7%
GC, CT	295	15.4%	18.4%
Syphilis (SY)	254	13.2%	10.6%
Gonorrhea (GC)	785	40.9%	46.0%
Chlamydia (CT)	241	12.6%	15.4%

<sup>1</sup> Rank is based on results from the hot spot analyses, the number of infections and number of people with a HIV, Syphilis, Gonorrhea or high risk Chlamydia incident during the 2010-2014 period, relative to the other health districts. It adjusts for population and geographic size.

<sup>2</sup> Residents with only Chlamydia incidents are excluded for all data shown "among infected persons".

<sup>3</sup> Consists of reported incidents during the 2010-2014 period without regard to other co-infections.

<sup>4</sup> Residents with only Chlamydia incidents are included in the rate calculation.

<sup>5</sup> Co-infection is defined as occurring within +/- 30 days of the HIV or STD incident.

<sup>6</sup> Resident status is determined by the latest address on file across all data sources.

<sup>7</sup> Percentages may not add up to 100% due to rounding or exclusion of unknown/missing values. Data are suppressed for <5 persons and/or 2014 population < 500.

<sup>8</sup> AI/AN = American Indian/Alaskan Native. NHOPI = Native Hawaiian/Other Pacific Islander.

<sup>9</sup> Defined as 'ever reported' during the 2010-2014 period.

<sup>10</sup> Percentages will not add up to 100%. Residents can be added more than once down a column.

<sup>11</sup> Early Syphilis includes all cases staged as primary, secondary, or early latent.

<sup>12</sup> Percentages for Medi-Cal Eligible ↓ 200% FPL reflect the proportions of residents below the 200% FPL, not the total population.

POPULATION DEMOGRAPHICS, 2014			
	N	%	LAC %
<b>Sex</b>			
Male	154,017	49.6%	49.3%
Female	156,300	50.4%	50.7%
	N	%	LAC %
<b>Age</b>			
0-12	56,046	18.1%	16.6%
13-19	32,716	10.5%	9.7%
20-29	48,294	15.6%	15.3%
30-39	45,295	14.6%	14.4%
40-49	43,209	13.9%	14.0%
50-59	35,572	11.5%	13.0%
60+	49,185	15.8%	17.0%
	N	%	LAC %
<b>Race/Ethnicity</b>			
White	32,909	10.6%	28.4%
African American	4,897	1.6%	8.6%
Latino	232,091	74.8%	48.2%
Asian	39,604	12.8%	14.4%
AI/AN	656	0.2%	0.2%
NHOPI	160	0.1%	0.2%
	N	%	LAC %
<b>Poverty Level</b>			
100% FPL	73,554	23.7%	18.1%
130% FPL	106,461	34.3%	25.8%
133% FPL	107,888	34.8%	26.4%
200% FPL	159,624	51.4%	40.4%
	N	%	LAC %
<b>Insurance Status</b>			
Medi-Cal Eligible			
↓ 200% FPL <sup>12</sup>	41,525	26.0%	10.1%
Medically Uninsured	64,323	20.7%	17.6%