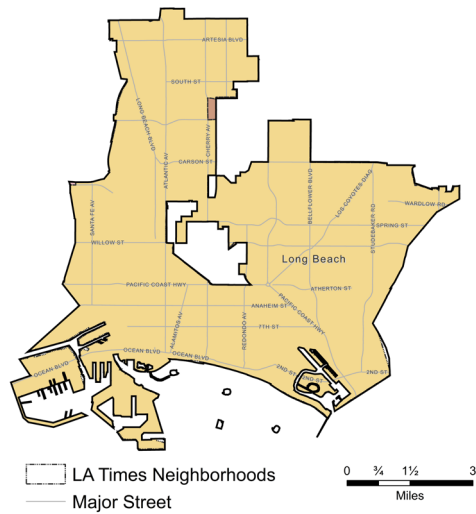
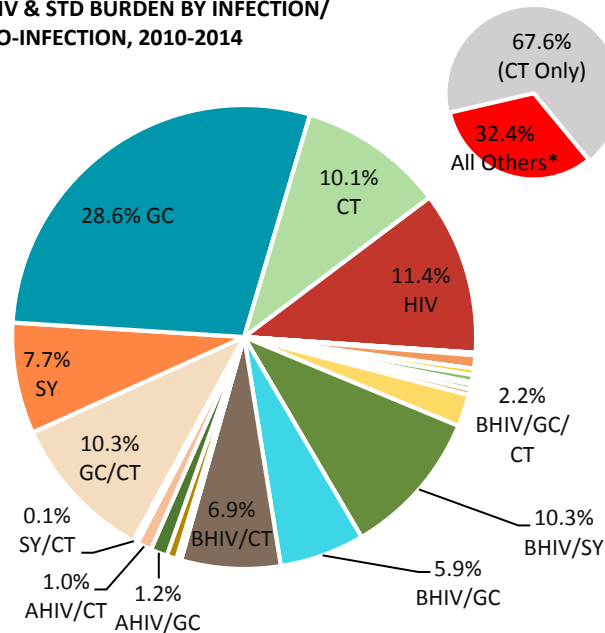


Long Beach

Health District No. 40



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): **1,384**
 STD Only: **1,896**

RESIDENT CHARACTERISTICS AMONG INFECTED PERSONS²

	N	% of LAC Total
Residents Represented ⁶	3,280	5.2%

	N	%	LAC %
Current Gender⁷			
Male	2,334	71.2%	69.7%
Female	916	27.9%	29.9%
Transgender	20	0.6%	0.3%
Transgender M-F	-	-	0.2%
Transgender F-M	-	-	0.0%

	N	%	LAC %
Race/Ethnicity⁷			
White	698	21.3%	20.8%
African American	925	28.2%	29.5%
Latino	874	26.6%	38.1%
Asian	100	3.0%	11.6%
AI/AN ⁸	14	0.4%	3.5%
NHOP ⁸	16	0.5%	0.3%

	N	%	LAC %
Select Populations			
MSM/MSMW	1,372	41.8%	38.4%
Youth (15-19 years) ⁹	412	12.6%	13.4%
Youth (15-24 years) ⁹	1,183	36.1%	38.3%
Pregnant ⁹	111	3.4%	4.4%

	N	%	LAC %
Syphilis Stage (if any)⁹			
Early Syphilis ¹⁰	526	16.0%	14.0%
Congenital Syphilis	1	0.0%	0.1%

Rank **8** out of 26¹

Average infections per infected person² **1.37**

Average infections per year per square mile² **17.37**

ALL HIV & STD INCIDENTS ³		Los Angeles County (LAC) Rate
Rate Per 100,000 Person-Years	Rate	
HIV, 2010-2014	32	19
Syphilis, 2010-2014	40	32
Gonorrhea, 2010-2014	95	112
Chlamydia, 2010-2014 ⁴	461	461

INFECTION CHARACTERISTICS AMONG INFECTED PERSONS²

	N	% of LAC Total
Infections & Co-infections⁵		
Infections & Co-infections ⁵	4,482	4.6%

	N	% of LAC Total
Incidents Represented³		
HIV Incidents	761	7.9%
Syphilis Incidents	942	5.8%
Gonorrhea Incidents	2,234	4.0%
Chlamydia Incidents	1,448	3.9%

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)

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 ²			
	N	%	LAC %
Recurrent STD Infections			
Syphilis (SY)			
1 incident	781	23.8%	19.5%
2 incidents	67	2.0%	2.2%
3 incidents	9	0.3%	0.4%
4 or more	0	0.0%	0.1%
Gonorrhea (GC)			
1 incident	1,695	51.7%	59.6%
2 incidents	172	5.2%	8.1%
3 incidents	33	1.0%	2.0%
4 or more	21	0.6%	1.2%
Chlamydia (CT)			
1 incident	745	22.7%	25.6%
2 incidents	198	6.0%	8.0%
3 incidents	60	1.8%	3.0%
4 or more	29	0.9%	1.7%
	N	%	LAC %
Infection & Co-infection Combinations^{5,9,11}			
HIV Infection Only			
	509	15.5%	9.3%
Co-Infected w/HIV			
SY, GC, CT	0	0.0%	0.1%
SY, GC	1	0.0%	0.1%
SY, CT	2	0.1%	0.1%
GC, CT	5	0.1%	0.3%
Syphilis (SY)	41	0.9%	1.0%
Gonorrhea (GC)	20	0.4%	0.6%
Chlamydia (CT)	22	0.5%	0.6%
Acquired HIV Infection <u>Before</u> STD			
SY, GC, CT	8	0.2%	0.3%
SY, GC	15	0.5%	0.5%
SY, CT	18	0.5%	0.6%
GC, CT	87	2.7%	2.3%
Syphilis (SY)	405	12.4%	7.7%
Gonorrhea (GC)	217	6.6%	5.9%
Chlamydia (CT)	258	7.9%	6.3%

RESIDENT CHARACTERISTICS AMONG INFECTED PERSONS ²			
	N	%	LAC %
Infection & Co-infection Combinations^{5,9,11}			
Acquired HIV Infection <u>After</u> STD			
SY, GC, CT	0	0.0%	0.0%
SY, GC	2	0.1%	0.1%
SY, CT	0	0.0%	0.1%
GC, CT	12	0.4%	0.5%
Syphilis (SY)	26	0.8%	0.5%
Gonorrhea (GC)	39	1.2%	1.1%
Chlamydia (CT)	36	1.1%	1.0%
No HIV Infection			
SY, GC, CT	2	0.1%	0.2%
SY, GC	8	0.2%	0.6%
SY, CT	5	0.2%	0.7%
GC, CT	441	13.4%	18.4%
Syphilis (SY)	338	10.3%	10.6%
Gonorrhea (GC)	1,178	35.9%	46.0%
Chlamydia (CT)	335	10.2%	15.4%

¹ 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.

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

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

⁴ Residents with only Chlamydia incidents are included in the rate calculation.

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

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

⁷ 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.

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

⁹ Defined as 'ever reported' during the 2010-2014 period.

¹⁰ Early Syphilis includes all cases staged as primary, secondary, or early latent.

¹¹ Percentages will not add up to 100%. Residents can be added more than once down a column.

¹² 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 %
Sex			
Male	231,720	49.0%	49.3%
Female	241,521	51.0%	50.7%
	N	%	LAC %
Age			
0-12	82,373	17.4%	16.6%
13-19	45,309	9.6%	9.7%
20-29	76,797	16.2%	15.3%
30-39	70,847	15.0%	14.4%
40-49	66,244	14.0%	14.0%
50-59	59,410	12.6%	13.0%
60+	72,261	15.3%	17.0%
	N	%	LAC %
Race/Ethnicity			
White	138,311	29.2%	28.4%
African American	66,461	14.0%	8.6%
Latino	196,281	41.5%	48.2%
Asian	65,300	13.8%	14.4%
AI/AN	1,407	0.3%	0.2%
NHOPI	5,481	1.2%	0.2%
	N	%	LAC %
Poverty Level			
100% FPL	104,320	22.0%	18.1%
130% FPL	146,350	30.9%	25.8%
133% FPL	148,670	31.4%	26.4%
200% FPL	216,905	45.8%	40.4%
	N	%	LAC %
Insurance Status			
Medi-Cal Eligible			
↓ 200% FPL ¹²	51,991	24.0%	10.1%
Medically Uninsured	81,405	17.2%	17.6%