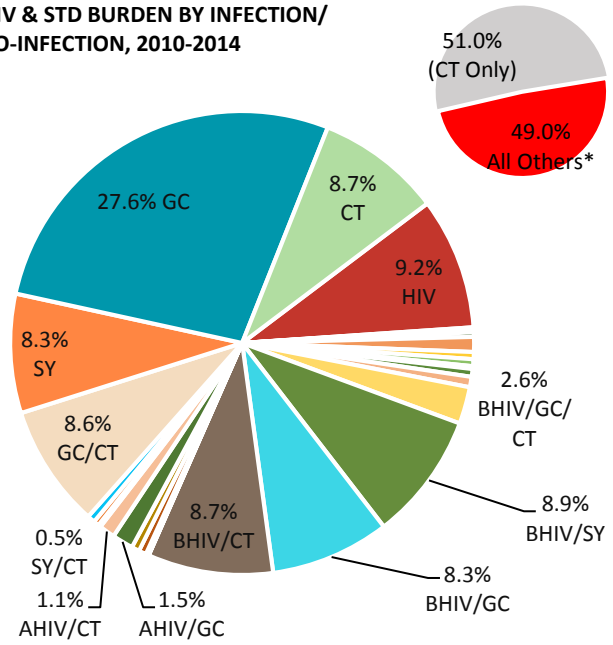
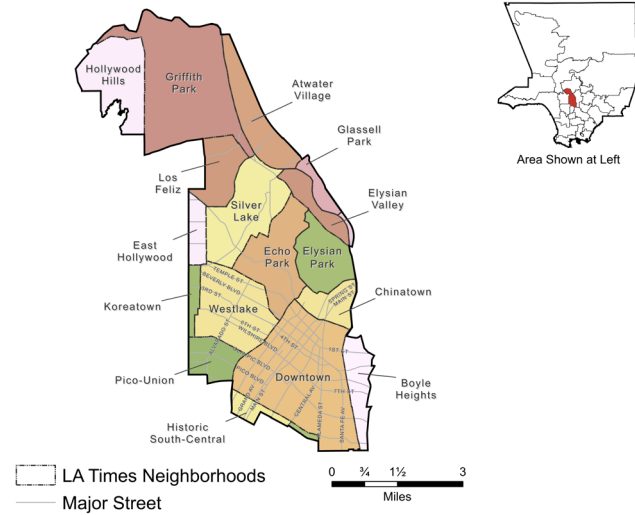


Central Health District No. 9

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): 2,200
STD Only: 2,921

RESIDENT CHARACTERISTICS AMONG INFECTED PERSONS²

	N	% of LAC Total
Residents Represented⁶	5,121	8.1%

	N	%	LAC %
Current Gender⁷			
Male	4,231	82.6%	69.7%
Female	857	16.7%	29.9%
Transgender	30	0.6%	0.3%
Transgender M-F	23	0.4%	0.2%
Transgender F-M	<5	-	0.0%

	N	%	LAC %
Race/Ethnicity⁷			
White	1,209	23.6%	20.8%
African American	1,203	23.5%	29.5%
Latino	2,136	41.7%	38.1%
Asian	178	3.5%	11.6%
AI/AN ⁸	29	0.6%	3.5%
NHOP ⁸	-	-	0.3%

	N	%	LAC %
Select Populations			
MSM/MSMW	2,802	54.7%	38.4%
Youth (15-19 years) ⁹	345	6.7%	13.4%
Youth (15-24 years) ⁹	1,327	25.9%	38.3%
Pregnant ⁹	128	2.5%	4.4%

	N	%	LAC %
Syphilis Stage (if any)⁹			
Early Syphilis ¹⁰	946	18.5%	14.0%
Congenital Syphilis	0	0.0%	0.1%

Rank 4 out of 26¹

Average infections per infected person² 1.54

Average infections per year per square mile² 48.55

INFECTION CHARACTERISTICS AMONG INFECTED PERSONS²

	N	% of LAC Total
Infections & Co-infections⁵	7,877	8.1%

	N	% of LAC Total
Incidents Represented³		
HIV Incidents	1,162	12.0%
Syphilis Incidents	1,726	10.7%
Gonorrhea Incidents	4,054	7.3%
Chlamydia Incidents	2,597	7.0%

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)

ALL HIV & STD INCIDENTS ³		Los Angeles County (LAC) Rate
Rate Per 100,000 Person-Years	Rate	
HIV, 2010-2014	68	19
Syphilis, 2010-2014	102	32
Gonorrhea, 2010-2014	239	112
Chlamydia, 2010-2014 ⁴	636	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 ²			
	N	%	LAC %
Recurrent STD Infections			
Syphilis (SY)			
1 incident	1,260	24.6%	19.5%
2 incidents	168	3.3%	2.2%
3 incidents	38	0.7%	0.4%
4 or more	4	0.1%	0.1%
Gonorrhea (GC)			
1 incident	2,474	48.3%	59.6%
2 incidents	440	8.6%	8.1%
3 incidents	113	2.2%	2.0%
4 or more	76	1.5%	1.2%
Chlamydia (CT)			
1 incident	1,209	23.6%	25.6%
2 incidents	349	6.8%	8.0%
3 incidents	118	2.3%	3.0%
4 or more	74	1.4%	1.7%
	N	%	LAC %
Infection & Co-infection Combinations^{5,9,11}			
HIV Infection Only			
	724	14.1%	9.3%
Co-Infected w/HIV			
SY, GC, CT	6	0.1%	0.1%
SY, GC	10	0.2%	0.1%
SY, CT	11	0.2%	0.1%
GC, CT	25	0.3%	0.3%
Syphilis (SY)	82	1.0%	1.0%
Gonorrhea (GC)	40	0.5%	0.6%
Chlamydia (CT)	38	0.5%	0.6%
Acquired HIV Infection Before STD			
SY, GC, CT	15	0.3%	0.3%
SY, GC	40	0.8%	0.5%
SY, CT	56	1.1%	0.6%
GC, CT	168	3.3%	2.3%
Syphilis (SY)	561	10.9%	7.7%
Gonorrhea (GC)	481	9.4%	5.9%
Chlamydia (CT)	504	9.8%	6.3%

RESIDENT CHARACTERISTICS AMONG INFECTED PERSONS ²			
	N	%	LAC %
Infection & Co-infection Combinations^{5,9,11}			
Acquired HIV Infection After STD			
SY, GC, CT	1	0.0%	0.0%
SY, GC	8	0.2%	0.1%
SY, CT	8	0.2%	0.1%
GC, CT	36	0.7%	0.5%
Syphilis (SY)	42	0.8%	0.5%
Gonorrhea (GC)	85	1.7%	1.1%
Chlamydia (CT)	70	1.4%	1.0%
No HIV Infection			
SY, GC, CT	14	0.3%	0.2%
SY, GC	30	0.6%	0.6%
SY, CT	42	0.8%	0.7%
GC, CT	621	12.1%	18.4%
Syphilis (SY)	614	12.0%	10.6%
Gonorrhea (GC)	1,875	36.6%	46.0%
Chlamydia (CT)	501	9.8%	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	183,888	53.3%	49.3%
Female	161,256	46.7%	50.7%
	N	%	LAC %
Age			
0-12	50,054	14.5%	16.6%
13-19	24,981	7.2%	9.7%
20-29	55,582	16.1%	15.3%
30-39	67,427	19.5%	14.4%
40-49	53,144	15.4%	14.0%
50-59	40,777	11.8%	13.0%
60+	53,179	15.4%	17.0%
	N	%	LAC %
Race/Ethnicity			
White	60,176	17.4%	28.4%
African American	21,649	6.3%	8.6%
Latino	190,994	55.3%	48.2%
Asian	71,241	20.6%	14.4%
AI/AN	744	0.2%	0.2%
NHOPI	340	0.1%	0.2%
	N	%	LAC %
Poverty Level			
100% FPL	102,750	29.8%	18.1%
130% FPL	137,307	39.8%	25.8%
133% FPL	140,113	40.6%	26.4%
200% FPL	194,213	56.3%	40.4%
	N	%	LAC %
Insurance Status			
Medi-Cal Eligible			
↓ 200% FPL ¹²	53,105	27.3%	10.1%
Medically Uninsured	71,676	20.8%	17.6%