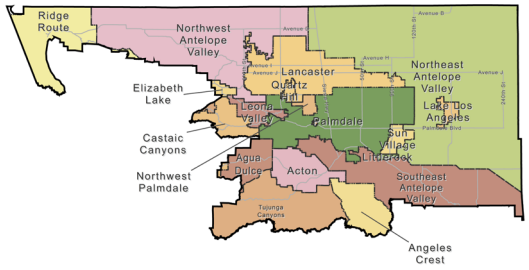
Antelope Valley
Health District No. 5



LA Times Neighborhoods
Major Street
0 5 10 20
Miles

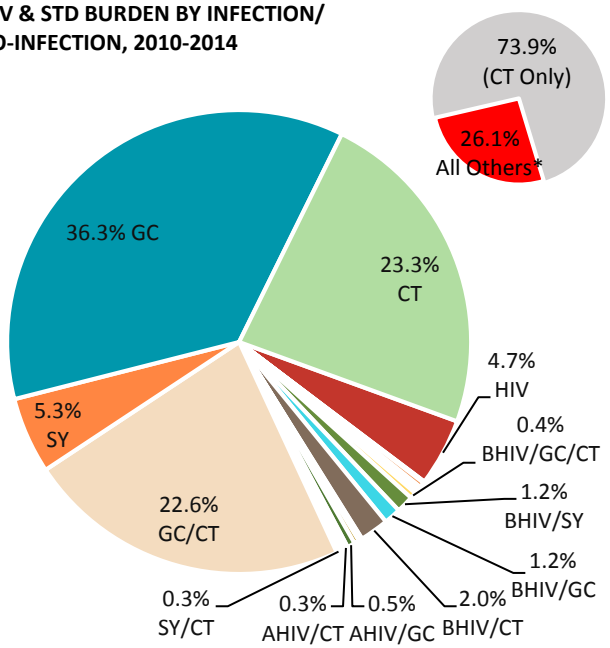
Rank 11 out of 26[1]

Average infections *per infected person*[2] **1.54**

Average infections *per year per square mile*[2] **0.43**

ALL HIV & STD INCIDENTS[3] Rate Per 100,000 Person-Years	Rate	Los Angeles County (LAC) Rate
HIV, 2010-2014	10	19
Syphilis, 2010-2014	13	32
Gonorrhea, 2010-2014	95	112
Chlamydia, 2010-2014[4]	511	461

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



*Residents with a HIV, Syphilis or 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".

INFECTION CHARACTERISTICS AMONG INFECTED PERSONS[2]	N	% of LAC Total
Infections & Co-infections[5]	2,984	3.1%

	N	% of LAC Total
Incidents Represented[3]		
HIV Incidents	192	2.0%
Syphilis Incidents	244	1.5%
Gonorrhea Incidents	1,847	3.3%
Chlamydia Incidents	1,481	4.0%

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)

Count *of infected persons*
PLWH (+ STD): **263**
STD Only: **1,679**

RESIDENT CHARACTERISTICS AMONG INFECTED PERSONS[2]	N	% of LAC Total
Residents Represented[6]	1,942	3.1%

	N	%	LAC %
Current Gender[7]			
Male	1,023	52.7%	69.7%
Female	914	47.1%	29.9%
Transgender	<5	-	0.3%
Transgender M-F	<5	-	0.2%
Transgender F-M	<5	-	0.0%

	N	%	LAC %
Race/Ethnicity[7]			
White	243	12.5%	20.8%
African American	1,017	52.4%	29.5%
Latino	448	23.1%	38.1%
Asian	12	0.6%	11.6%
AI/AN[8]	<5	-	3.5%
NHOPI[8]	<5	-	0.3%

	N	%	LAC %
Select Populations			
MSM/MSMW	274	14.1%	38.4%
Youth (15-19 years)[9]	530	27.3%	13.4%
Youth (15-24 years)[9]	1,138	58.6%	38.3%
Pregnant[9]	153	7.9%	4.4%

	N	%	LAC %
Syphilis Stage (if any)[9]			
Early Syphilis[10]	125	6.4%	14.0%
Congenital Syphilis	5	0.3%	0.1%

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

County of Los Angeles Public Health
Division of HIV and STD Programs

Revised: 5/24/2017

RESIDENT CHARACTERISTICS AMONG INFECTED PERSONS[2]	N	%	LAC %
Recurrent STD Infections			
Syphilis (SY)			
1 incident	225	11.5%	19.5%
2 incidents	8	0.4%	2.2%
3 incidents	1	0.1%	0.4%
4 or more	0	0.0%	0.1%
Gonorrhea (GC)			
1 incident	1,378	71.0%	59.6%
2 incidents	156	8.0%	8.1%
3 incidents	32	1.6%	2.0%
4 or more	14	0.7%	1.2%
Chlamydia (CT)			
1 incident	593	30.5%	25.6%
2 incidents	236	12.2%	8.0%
3 incidents	72	3.7%	3.0%
4 or more	45	2.3%	1.7%

RESIDENT CHARACTERISTICS AMONG INFECTED PERSONS[2]	N	%	LAC %
Infection & Co-infection Combinations[5,9,11]			
HIV Infection Only	141	7.3%	9.3%
Co-Infected w/HIV			
SY, GC, CT	1	0.1%	0.1%
SY, GC	1	0.1%	0.1%
SY, CT	1	0.1%	0.1%
GC, CT	0	0.0%	0.3%
Syphilis (SY)	11	0.4%	1.0%
Gonorrhea (GC)	5	0.2%	0.6%
Chlamydia (CT)	5	0.2%	0.6%
Acquired HIV Infection **Before** STD			
SY, GC, CT	2	0.1%	0.3%
SY, GC	0	0.0%	0.5%
SY, CT	4	0.2%	0.6%
GC, CT	11	0.6%	2.3%
Syphilis (SY)	34	1.8%	7.7%
Gonorrhea (GC)	25	1.3%	5.9%
Chlamydia (CT)	46	2.4%	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	2	0.1%	0.0%
SY, GC	0	0.0%	0.1%
SY, CT	0	0.0%	0.1%
GC, CT	5	0.3%	0.5%
Syphilis (SY)	8	0.4%	0.5%
Gonorrhea (GC)	13	0.7%	1.1%
Chlamydia (CT)	7	0.4%	1.0%
No HIV Infection			
SY, GC, CT	2	0.1%	0.2%
SY, GC	7	0.4%	0.6%
SY, CT	8	0.4%	0.7%
GC, CT	625	32.2%	18.4%
Syphilis (SY)	157	8.1%	10.6%
Gonorrhea (GC)	975	50.2%	46.0%
Chlamydia (CT)	486	25.0%	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 rate calculations.

[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	195,187	49.7%	49.3%
Female	197,543	50.3%	50.7%
Age			
0-12	75,005	19.1%	16.6%
13-19	47,806	12.2%	9.7%
20-29	64,624	16.5%	15.3%
30-39	46,256	11.8%	14.4%
40-49	50,173	12.8%	14.0%
50-59	53,451	13.6%	13.0%
60+	55,415	14.1%	17.0%
Race/Ethnicity			
White	136,642	34.8%	28.4%
African American	63,624	16.2%	8.6%
Latino	175,206	44.6%	48.2%
Asian	14,974	3.8%	14.4%
AI/AN	1,639	0.4%	0.2%
NHOPI	645	0.2%	0.2%
Poverty Level			
100% FPL	81,260	20.7%	18.1%
130% FPL	109,864	28.0%	25.8%
133% FPL	111,768	28.5%	26.4%
200% FPL	171,570	43.7%	40.4%
Insurance Status			
Medi-Cal Eligible ↓ 200% FPL[12]	37,953	22.1%	10.1%
Medically Uninsured	65,267	16.6%	17.6%

Suggested Citation: Division of HIV and STD Programs, Los Angeles County Department of Public Health. 2010-2014 HIV & STD Burden by Health District. http://publichealth.lacounty.gov/dhsp/Mapping.htm. Published May 2017. Accessed [date].

County of Los Angeles Public Health
Division of HIV and STD Programs