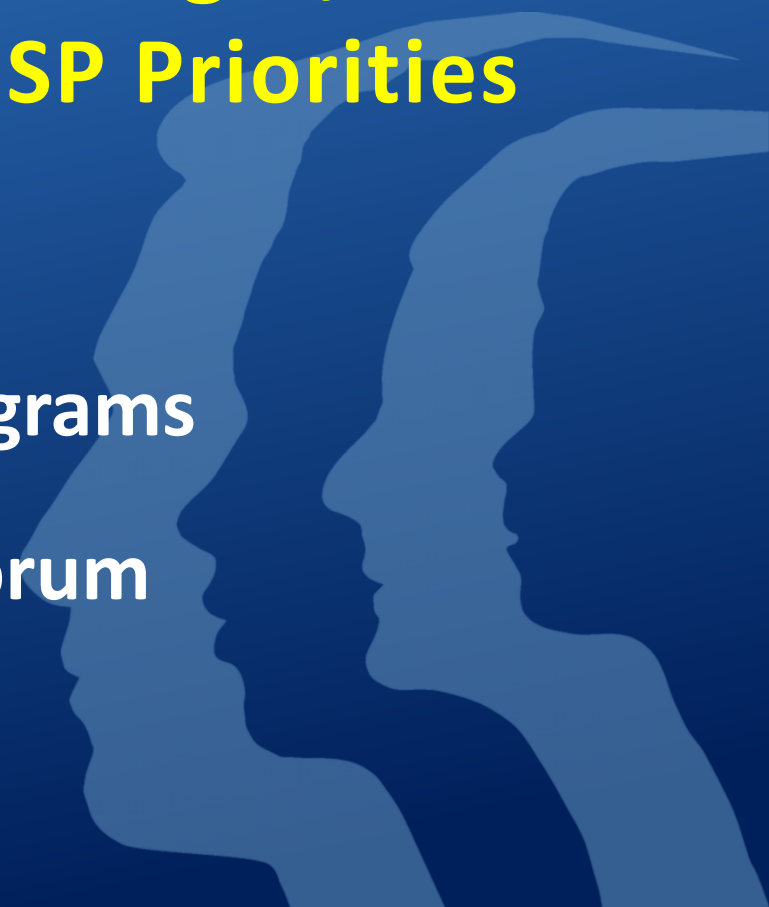


The Evolving Los Angeles County HIV Epidemic: Challenges, Opportunities and DHSP Priorities

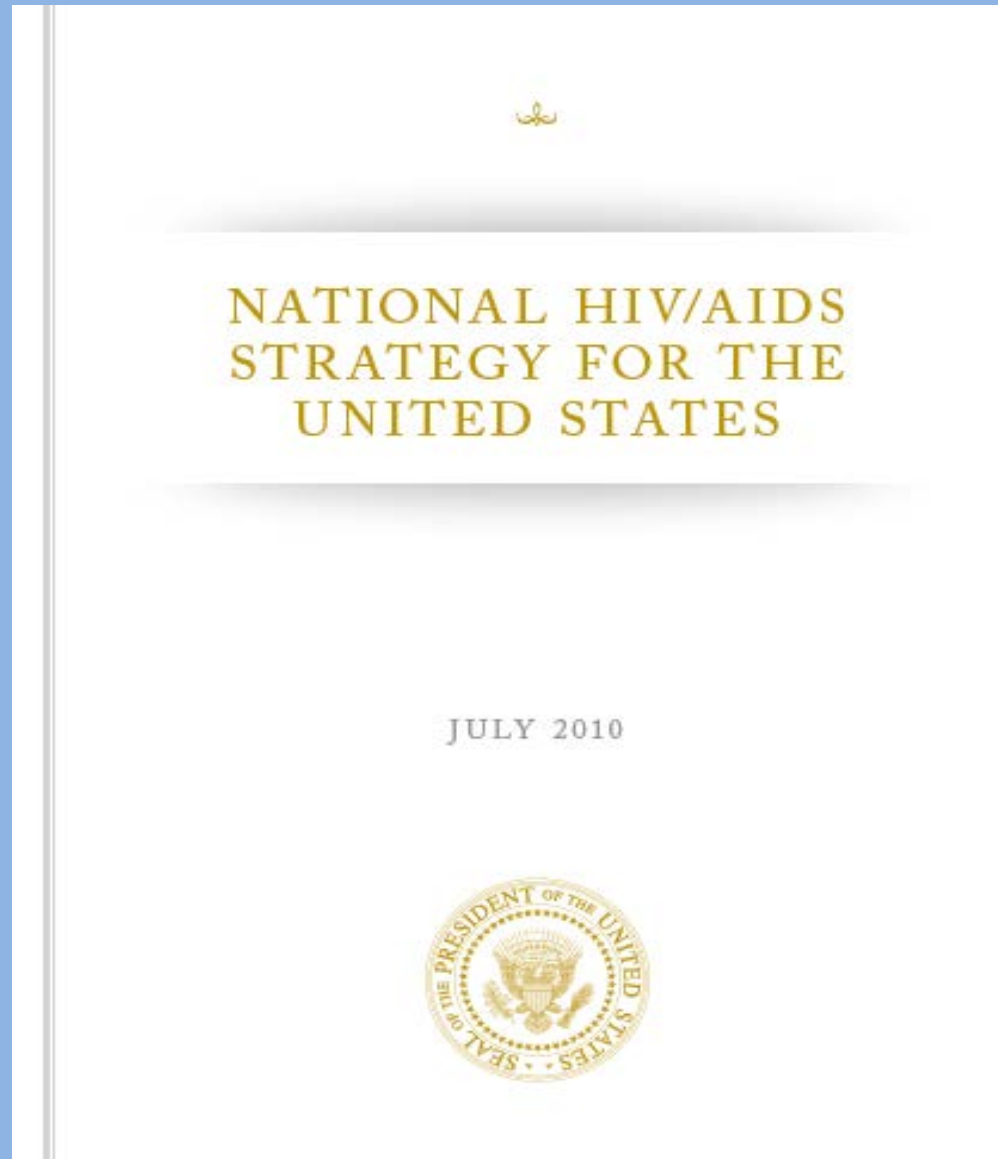
**Mario J. Pérez, Director
Division of HIV and STD Programs**

**UCLA CHIPTS Community Forum
June 24, 2014**



Presentation Overview

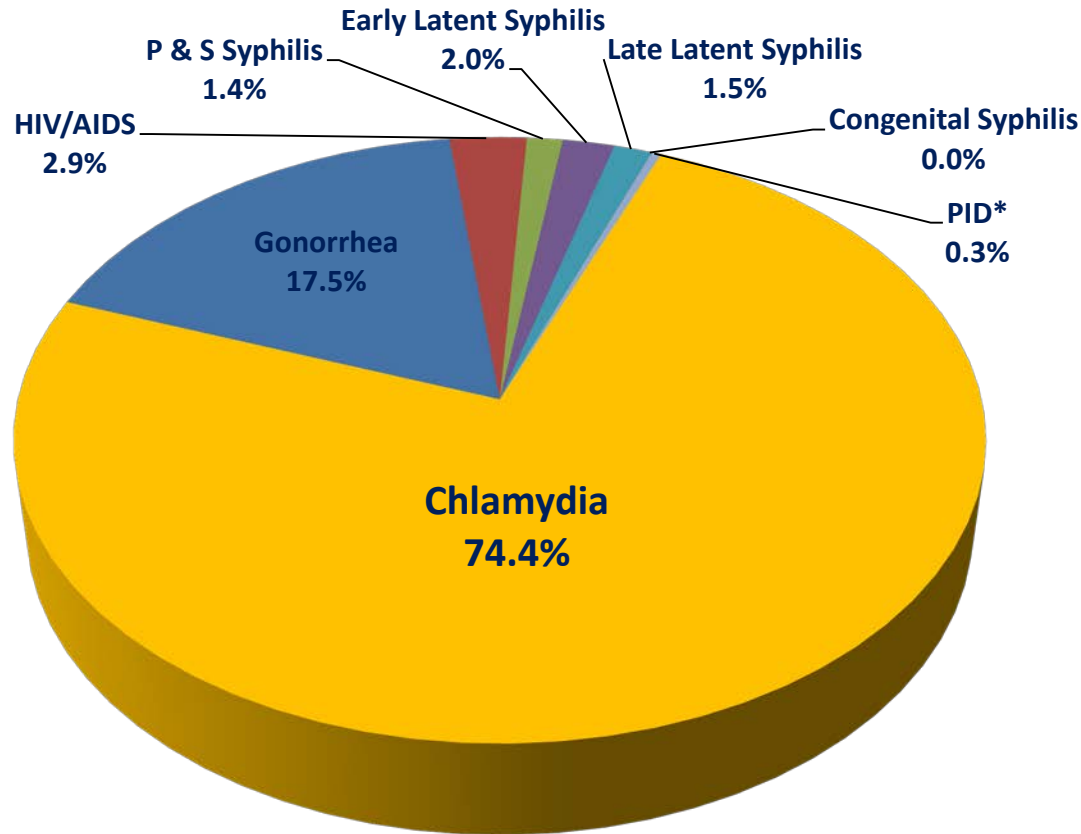
- **HIV/STD Trends**
- **HIV/STD Cascades**
- **Focused STD Community Planning in a High Disease Burden Area**
- **Biomedical and Integrated HIV/STD Services Data**
- **STD Community Planning Efforts**
- **Summary of HIV/STD Epidemiologic Data**
- **Priorities and Future Directions**



HIV, Chlamydia, Gonorrhea and Syphilis by Race/Ethnicity and Age, LAC



Reported STD and HIV/AIDS Cases Los Angeles County, 2012



A total of 64,979 STD and HIV/AIDS cases were reported in LAC in 2012:

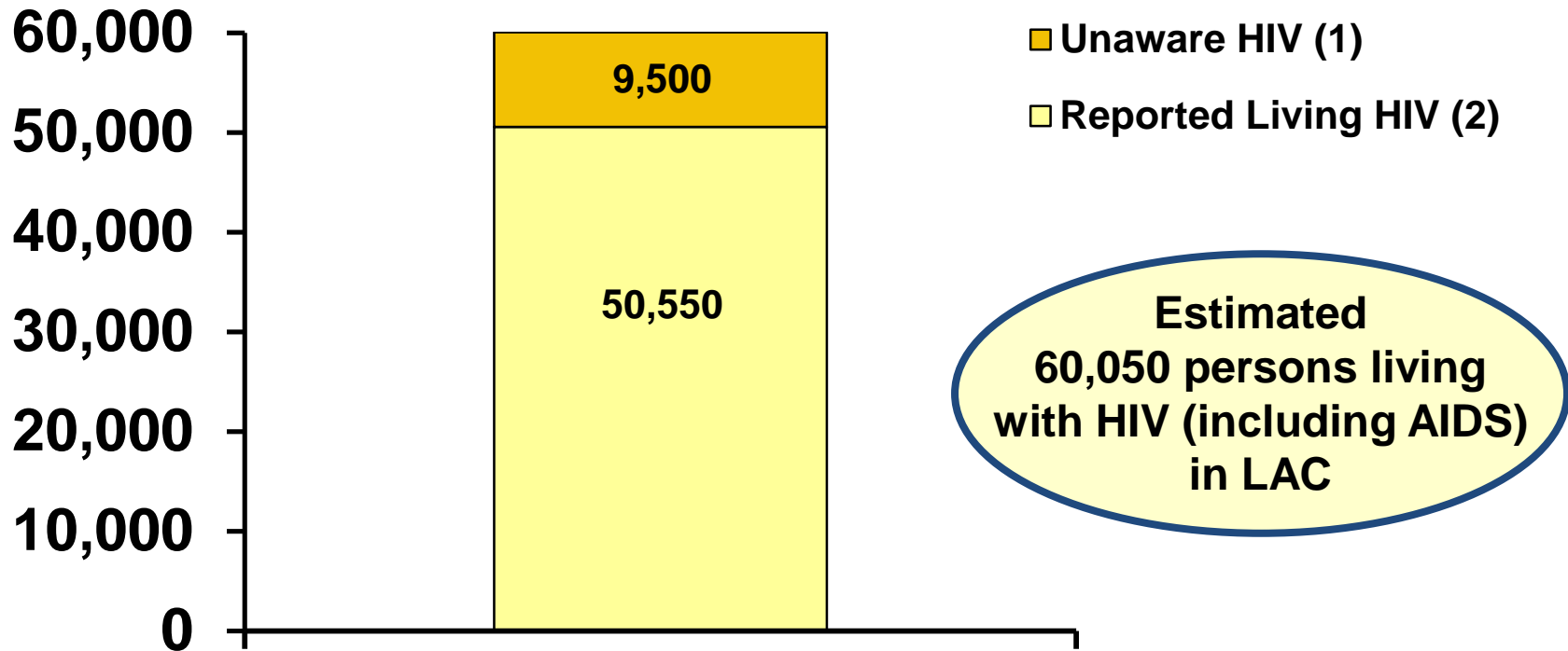
- 74.4% Chlamydia
- 17.5% Gonorrhea
- 4.9% Syphilis
- 2.9% HIV/AIDS

*Pelvic Inflammatory Disease. Includes Chlamydia, Non-Chlamydia, Gonococcal, and Non-Gonococcal.

Note: Excludes cases of Chlamydia, Gonorrhea, Syphilis, and PID in Long Beach and Pasadena.



Estimated Number of Persons Living with HIV and AIDS in LAC at End of 2013



- (1) CDC estimates 15.8% of persons with HIV are unaware of their infection.
- (2) Reported cases includes half of 3,500 lab reports pending investigation and half of 3,300 cases reported to us only by code likely to result in unduplicated named cases.

Source: LAC Division of HIV and STD Programs, reported as of 12/31/13.

Chlamydia, Gonorrhea, P&S Syphilis and HIV Cases Diagnosed and Rates for Selected US Urban Areas, 2011



Geographic Area	Chlamydia Rate (n) ¹	Gonorrhea Rate (n) ¹	P&S Syphilis Rate (n) ¹	HIV Rate (n) ^{1,2}
Los Angeles County, CA ³	513 (47,486)	103 (9,573)	8 (751)	18 (1,880)
Chicago, IL ⁴	938 (25,288)	293 (7,892)	25 (686)	41 (1,092)
Detroit, MI ⁵	2,183 (15,581)	873 (6,233)	14 (97)	31 (218)
Houston, TX ⁵	831 (17,447)	235 (4,943)	11 (236)	53 (1,114)
King County, WA ⁶	336 (6,492)	73 (1,403)	--- (-----)	14 (275)
Miami-Dade County, FL	350 (8,824)	93 (2,355)	13 (330)	57 (1,445)
New York, NY	795 (64,966)	176 (14,403)	11 (894)	42 (3,401)
San Francisco, CA ⁵	587 (4,778)	277 (2,251)	46 (376)	49 (392)
Washington, D.C. ^{4,5}	929 (5,592)	350 (2,104)	22 (134)	139 (835)
United States	453 (1,412,791)	103 (321,849)	5 (13,970)	16 (42,181)

1. Rate per 100,000 population.

2. New HIV diagnoses, regardless of stage of infection.

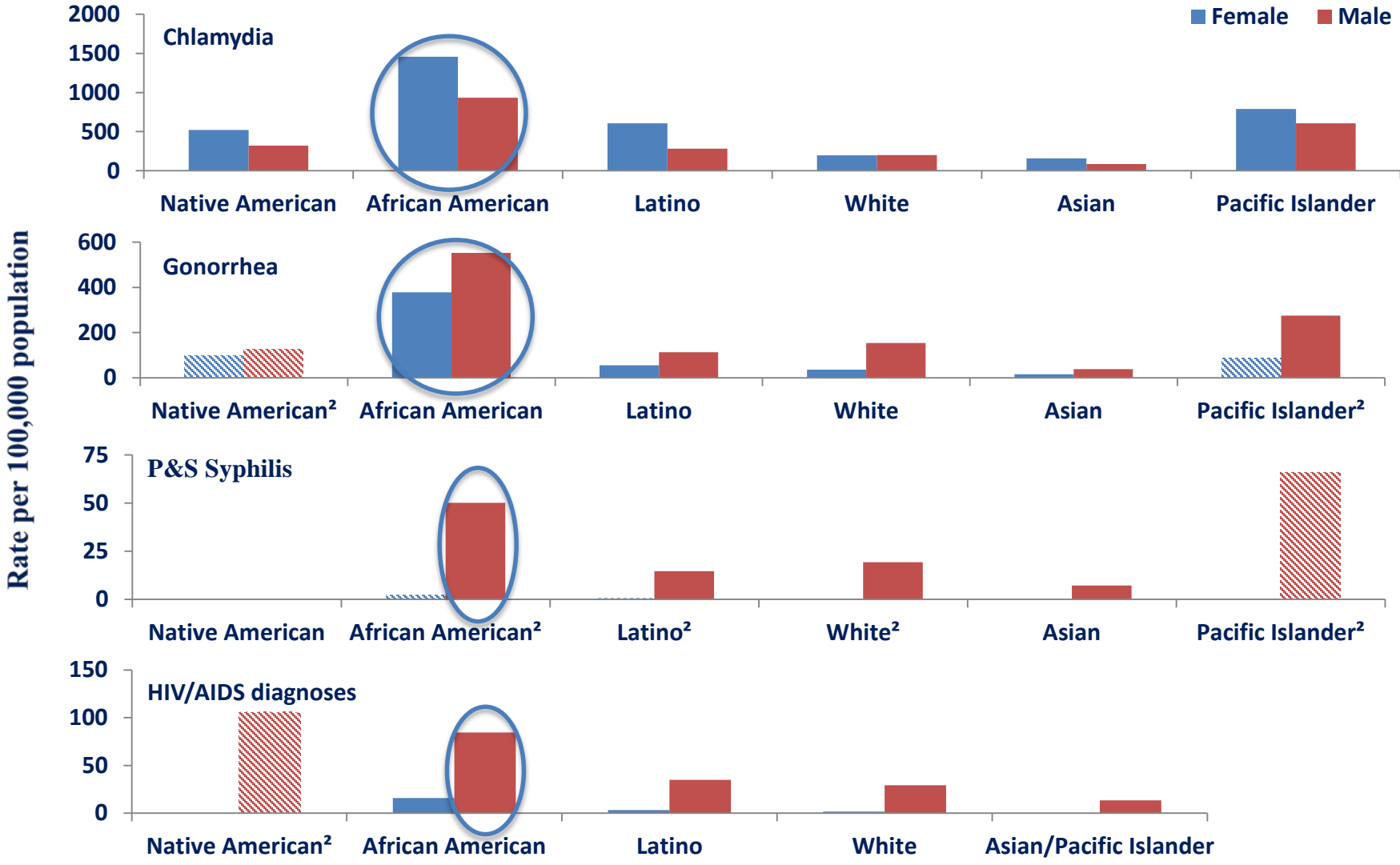
3. Excludes cases of Chlamydia, Gonorrhea and P&S Syphilis in Long Beach and Pasadena.

4. 2011 data not available, rates are from 2009 or 2010 – depending on availability.

5. Rates not provided in source document, estimated rates were calculated using the 2010 U.S. census population.

6. King County does not report P&S Syphilis separately. However, in 2011, King County had an early syphilis (ES) rate of 19 per 100,000 (n=363), which is similar to LAC's 2011 ES rate of 19 per 100,000 (n=1,793).

Rates of Chlamydia, Gonorrhea, P&S Syphilis and HIV/AIDS by Race/Ethnicity and Gender, LAC 2012¹

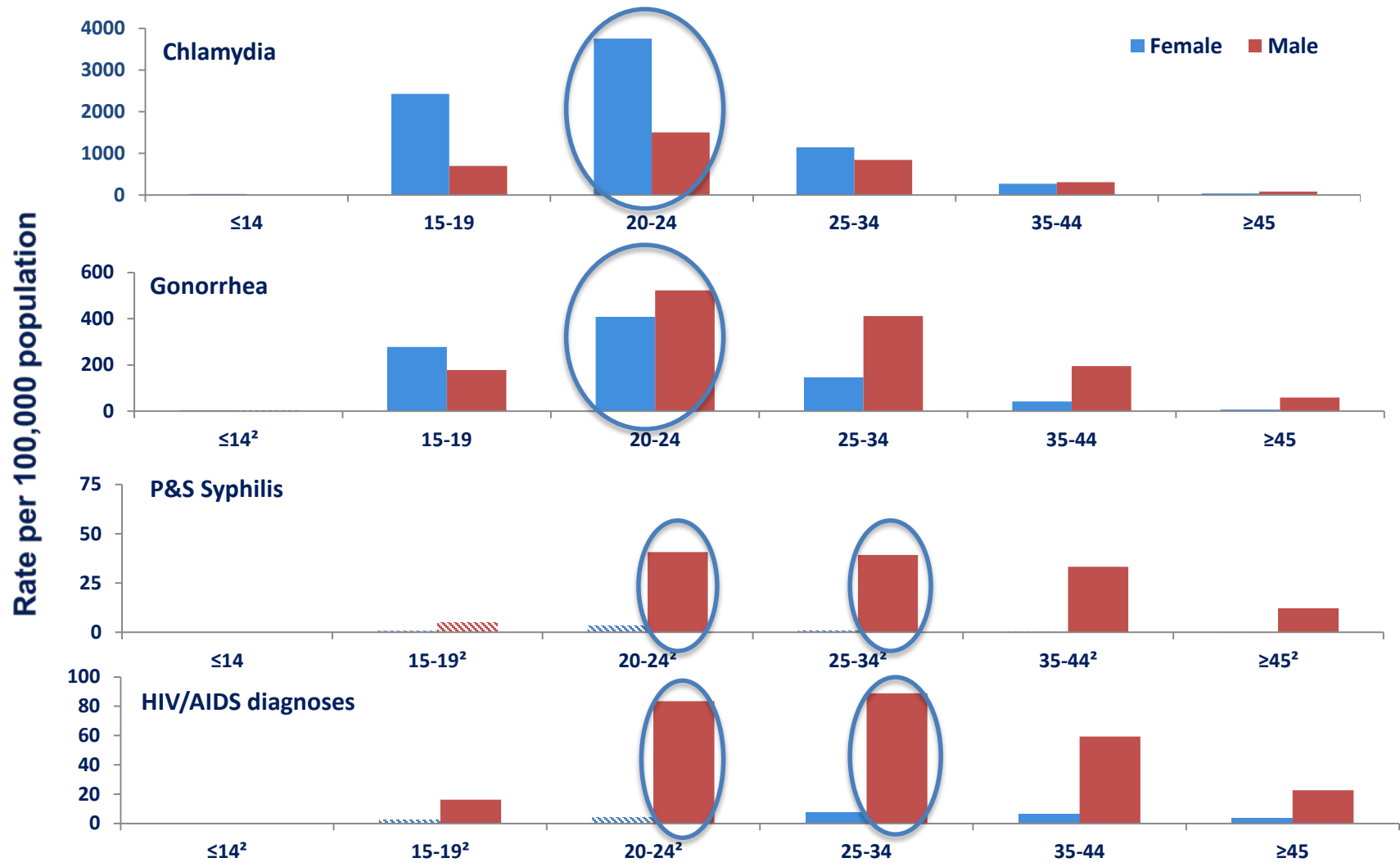


1. Data are provisional due to reporting delay; excludes cases with unknown race/ethnicity; excludes cases of Chlamydia, Gonorrhea and P&S Syphilis in Long Beach and Pasadena.

2. Rates with a pattern fill are unstable due to small numbers (<20); rates for groups with fewer than 5 cases are not shown.

Source: LAC Division of HIV and STD Programs, reported as of June 2013

Rates of Chlamydia, Gonorrhea, P&S Syphilis and HIV/AIDS by Age and Gender, LAC 2012¹









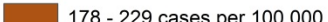


1. Data are provisional due to reporting delay; excludes cases with unknown age; excludes cases of Chlamydia, Gonorrhea and P&S Syphilis in Long Beach and Pasadena.
2. Rates with a pattern fill are unstable due to small numbers (<20); rates for groups with fewer than 5 cases are not shown.

Source: LAC Division of HIV and STD Programs, reported as of June 2013

HIV, Chlamydia, Gonorrhea and Syphilis by Census Tract and Service Planning Area (SPA), LAC

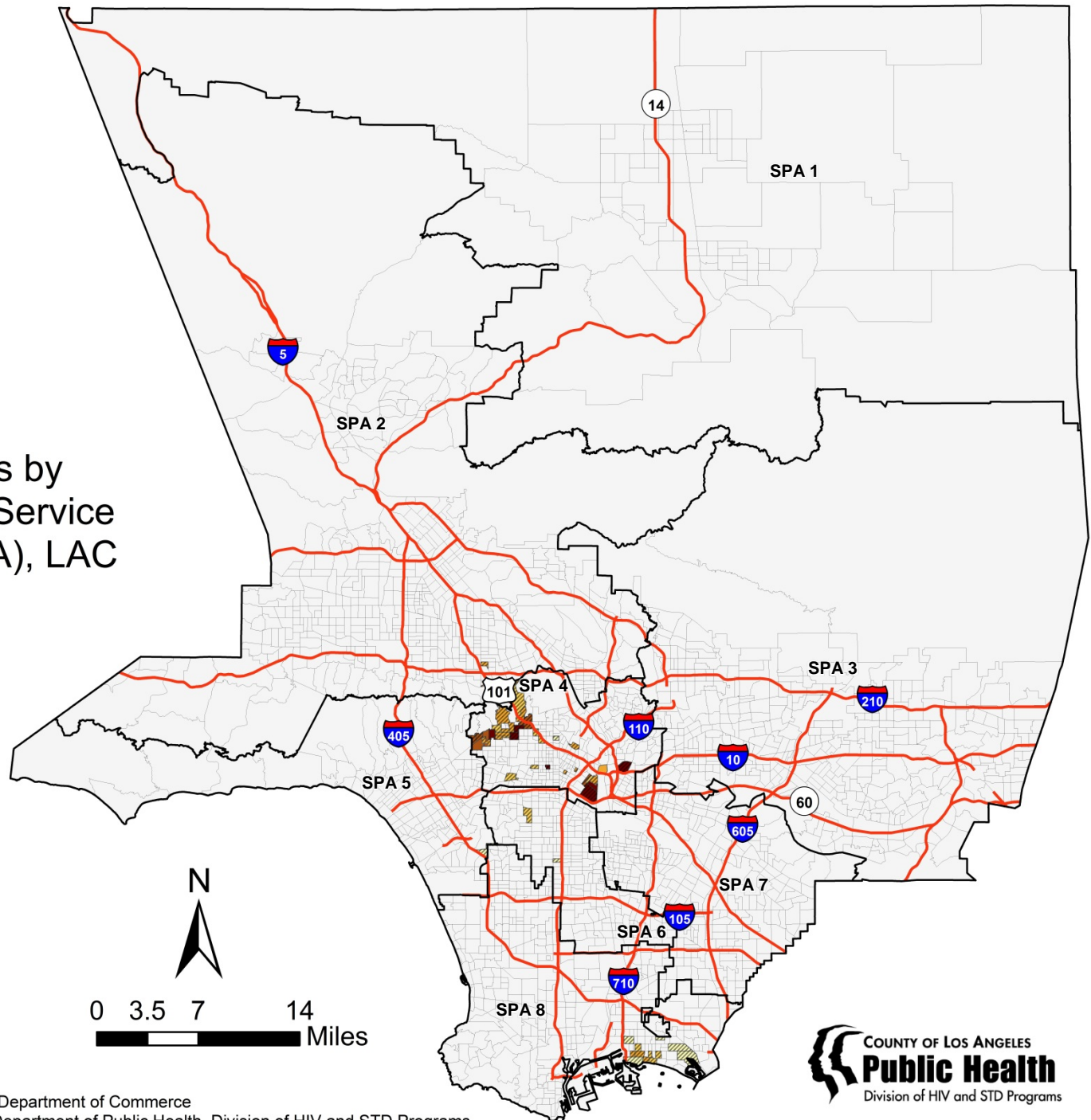


2012 HIV Rates by Census Tract and Service Planning Area (SPA), LAC




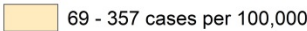
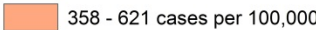
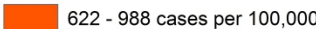
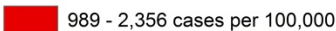
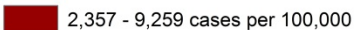

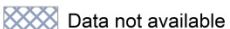
-  SPA boundary
-  Freeway
-  Cases <5
-  71 - 105 cases per 100,000
-  106 - 133 cases per 100,000
-  134 - 177 cases per 100,000
-  178 - 229 cases per 100,000
-  230 - 345 cases per 100,000
-  Unstable Population Measures

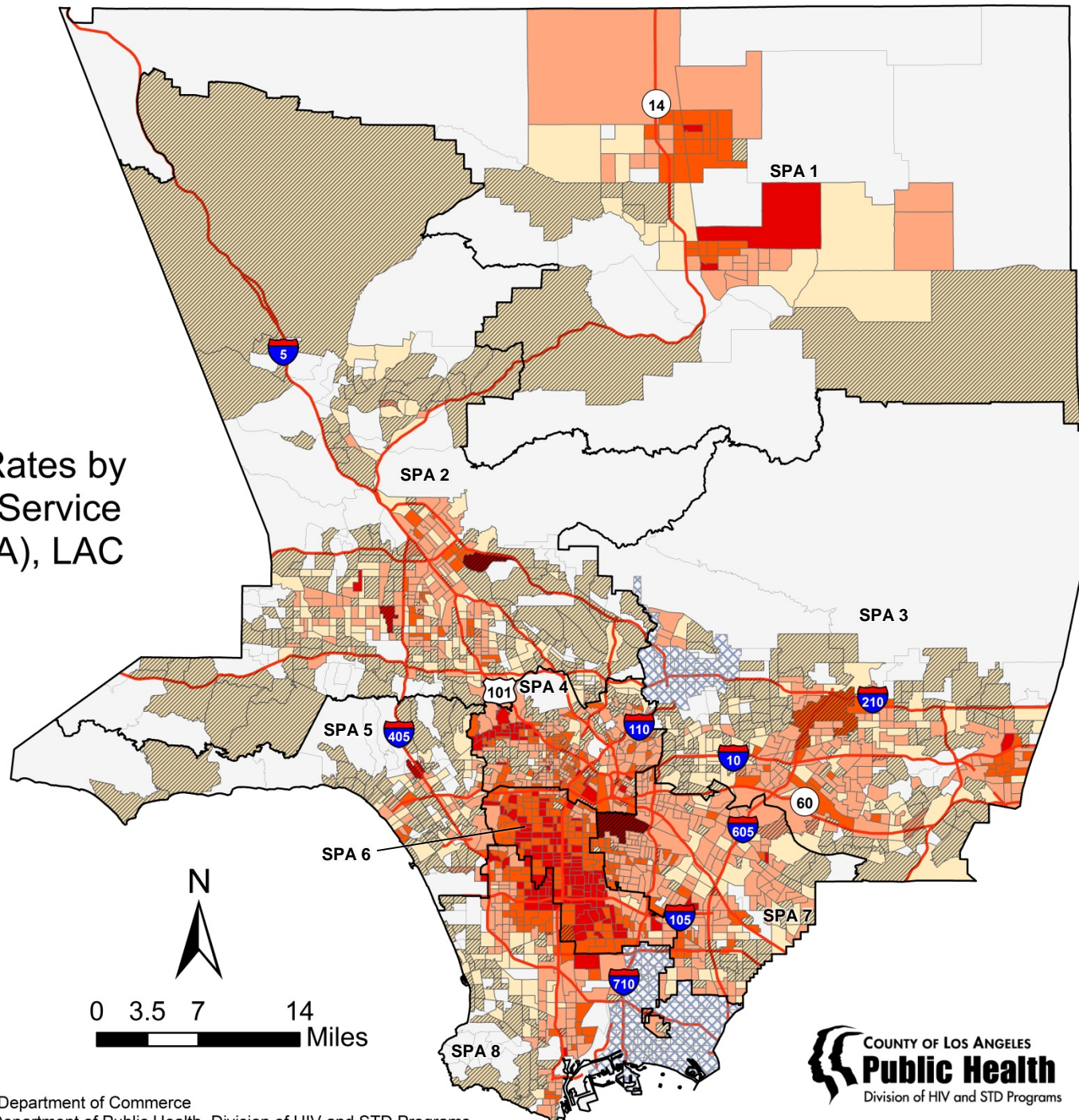


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









2012 Chlamydia Rates by Census Tract and Service Planning Area (SPA), LAC

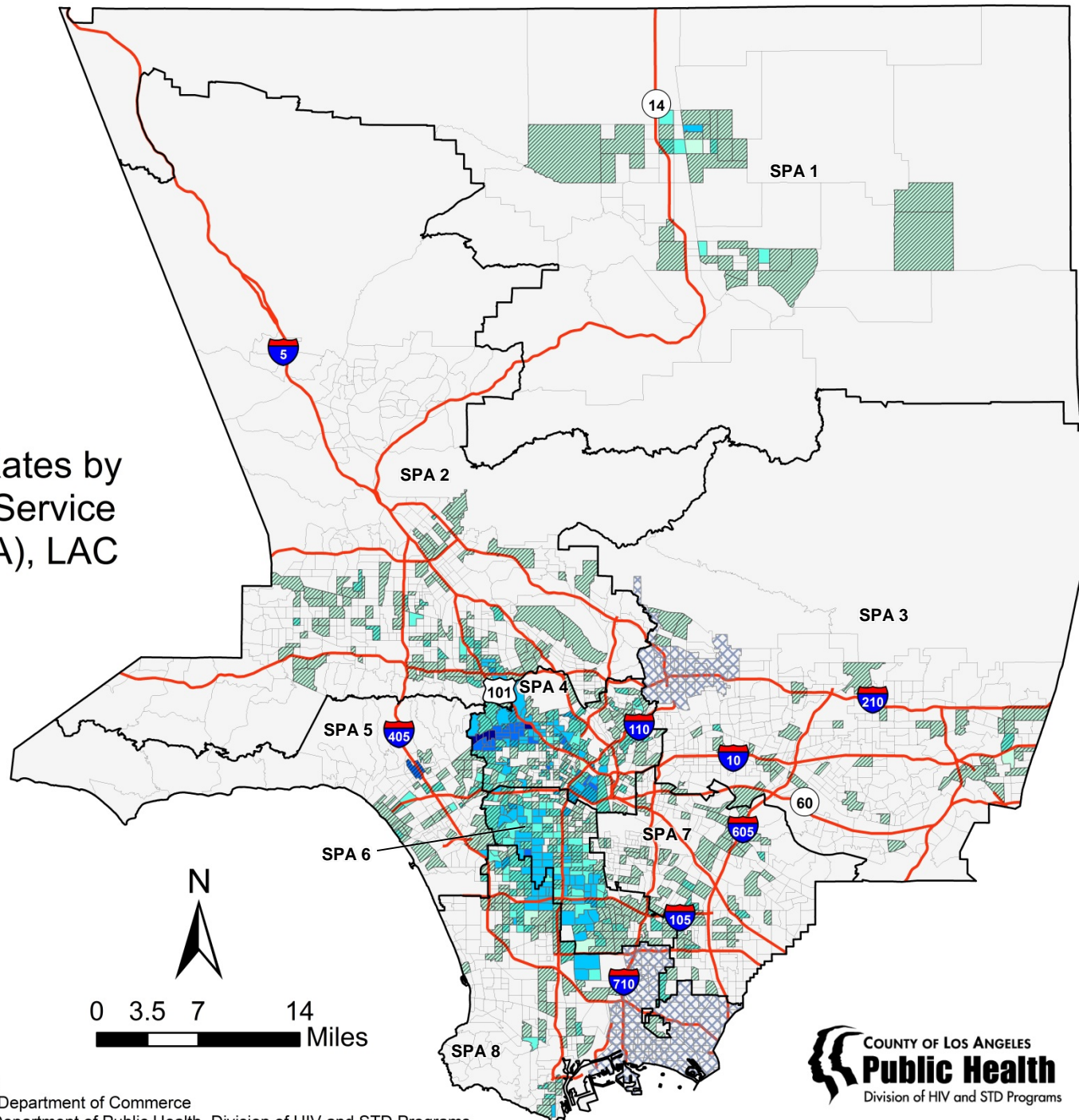
-  SPA boundary
-  Freeway
-  Cases <5
-  69 - 357 cases per 100,000
-  358 - 621 cases per 100,000
-  622 - 988 cases per 100,000
-  989 - 2,356 cases per 100,000
-  2,357 - 9,259 cases per 100,000
-  Unstable Population Measures
-  Data not available



* Does not include Pasadena or Long Beach cases
 Data Source: 2010 U.S. Census Tract Data - U.S. Department of Commerce
 HIV/STD Surveillance Data - Los Angeles County Department of Public Health, Division of HIV and STD Programs











2012 Gonorrhea Rates by Census Tract and Service Planning Area (SPA), LAC

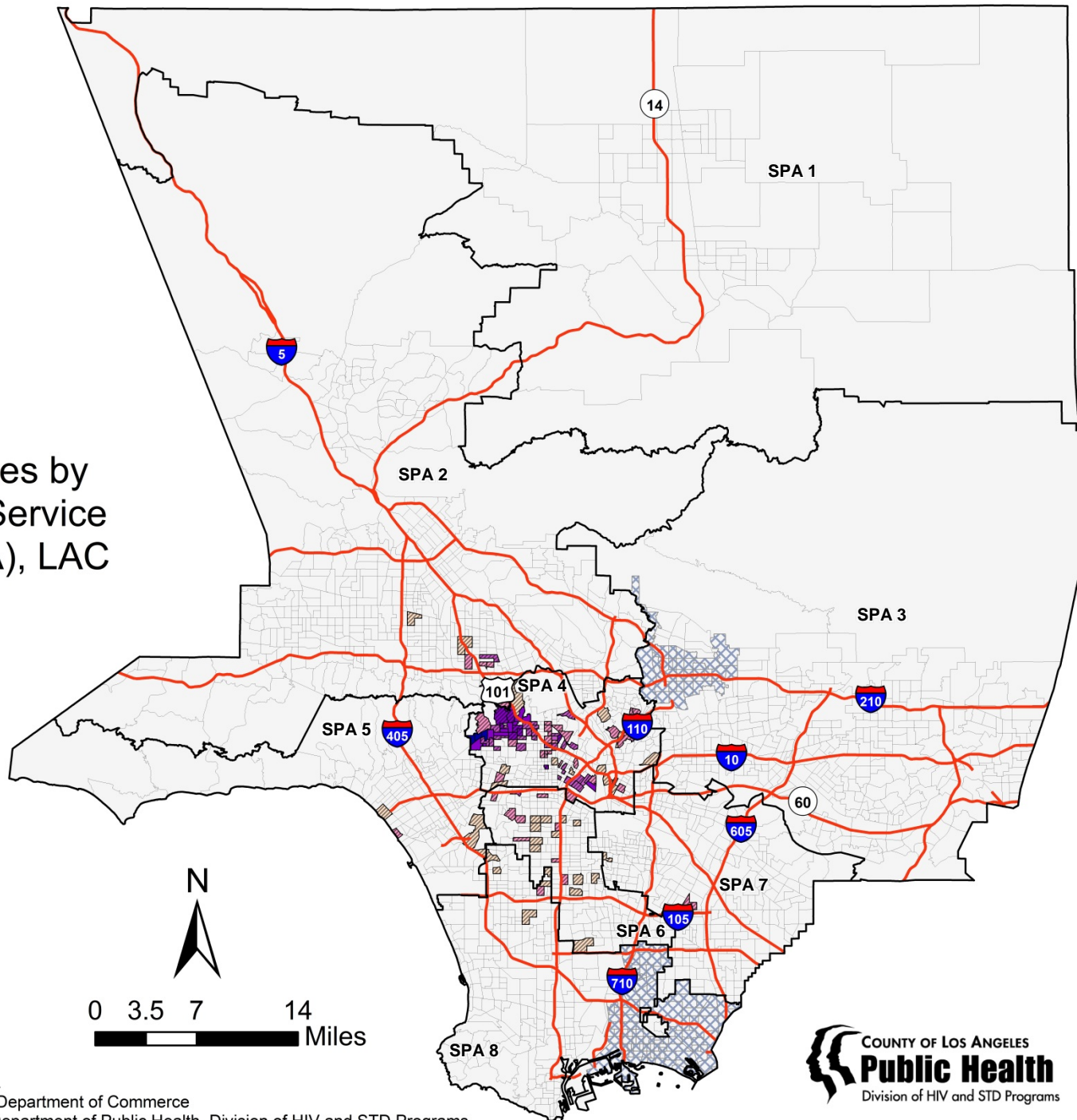
-  SPA boundary
-  Freeway
-  Cases <5
-  53 - 184 cases per 100,000
-  185 - 320 cases per 100,000
-  321 - 598 cases per 100,000
-  599 - 1,094 cases per 100,000
-  1,095 - 1,801 cases per 100,000
-  Unstable Population Measures
-  Data not available



* Does not include Pasadena or Long Beach cases
 Data Source: 2010 U.S. Census Tract Data - U.S. Department of Commerce
 HIV/STD Surveillance Data - Los Angeles County Department of Public Health, Division of HIV and STD Programs

2012 Syphilis Rates by Census Tract and Service Planning Area (SPA), LAC

-  SPA boundary
-  Freeway
-  Cases <5
-  65 - 124 cases per 100,000
-  125 - 186 cases per 100,000
-  187 - 275 cases per 100,000
-  276 - 426 cases per 100,000
-  427 - 905 cases per 100,000
-  Unstable Population Measures
-  Data not available



* Does not include Pasadena or Long Beach cases.

Data Source: 2010 U.S. Census Tract Data - U.S. Department of Commerce

HIV/STD Surveillance Data - Los Angeles County Department of Public Health, Division of HIV and STD Programs



How do we make STD screening and treatment a commodity in our most impacted census tracts?

**At what point will people say...
“I have a great STD doctor!!?”**

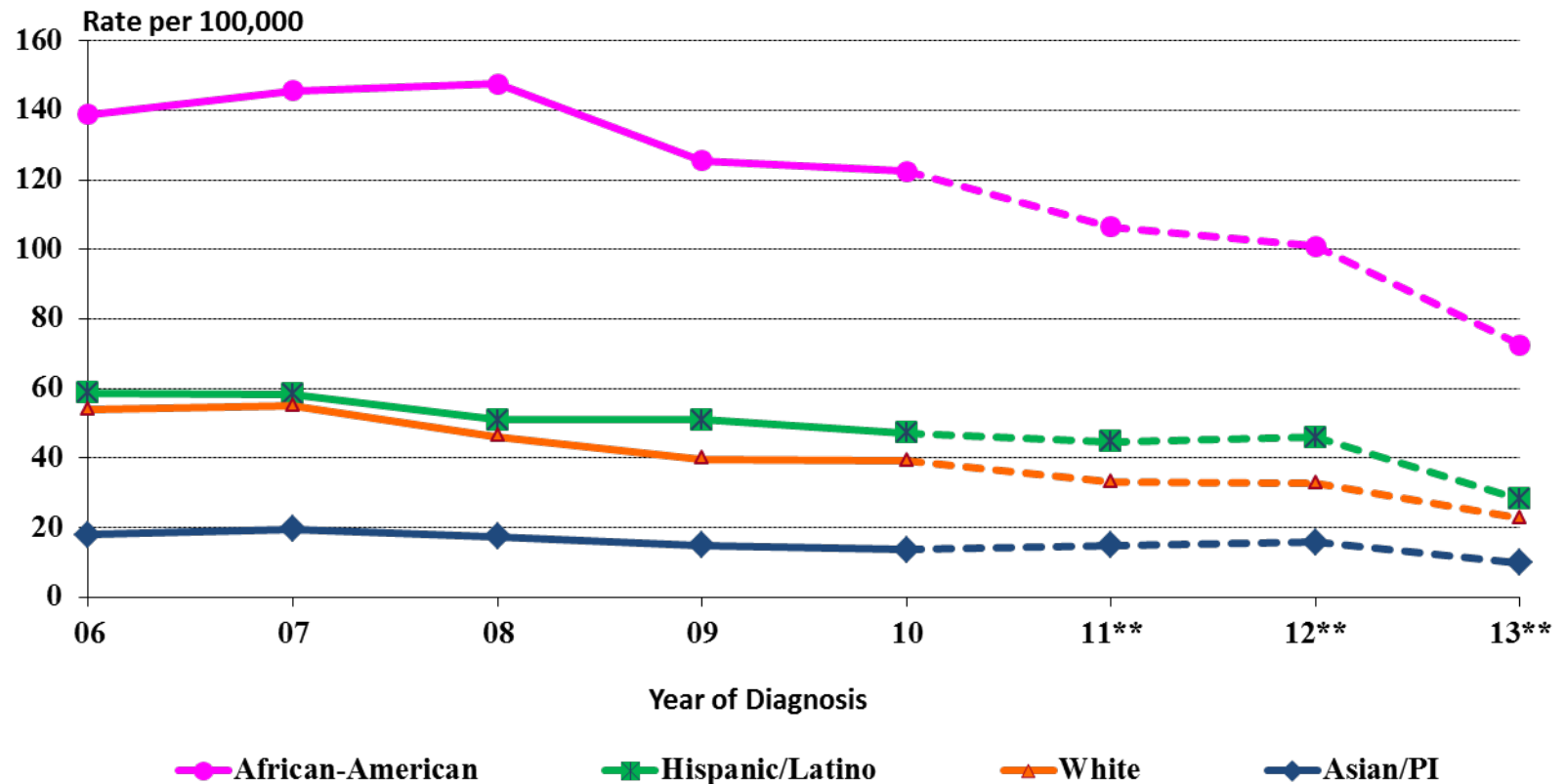


HIV, Chlamydia, Gonorrhea and P&S Syphilis Trends by Race/Ethnicity and SPA, LAC





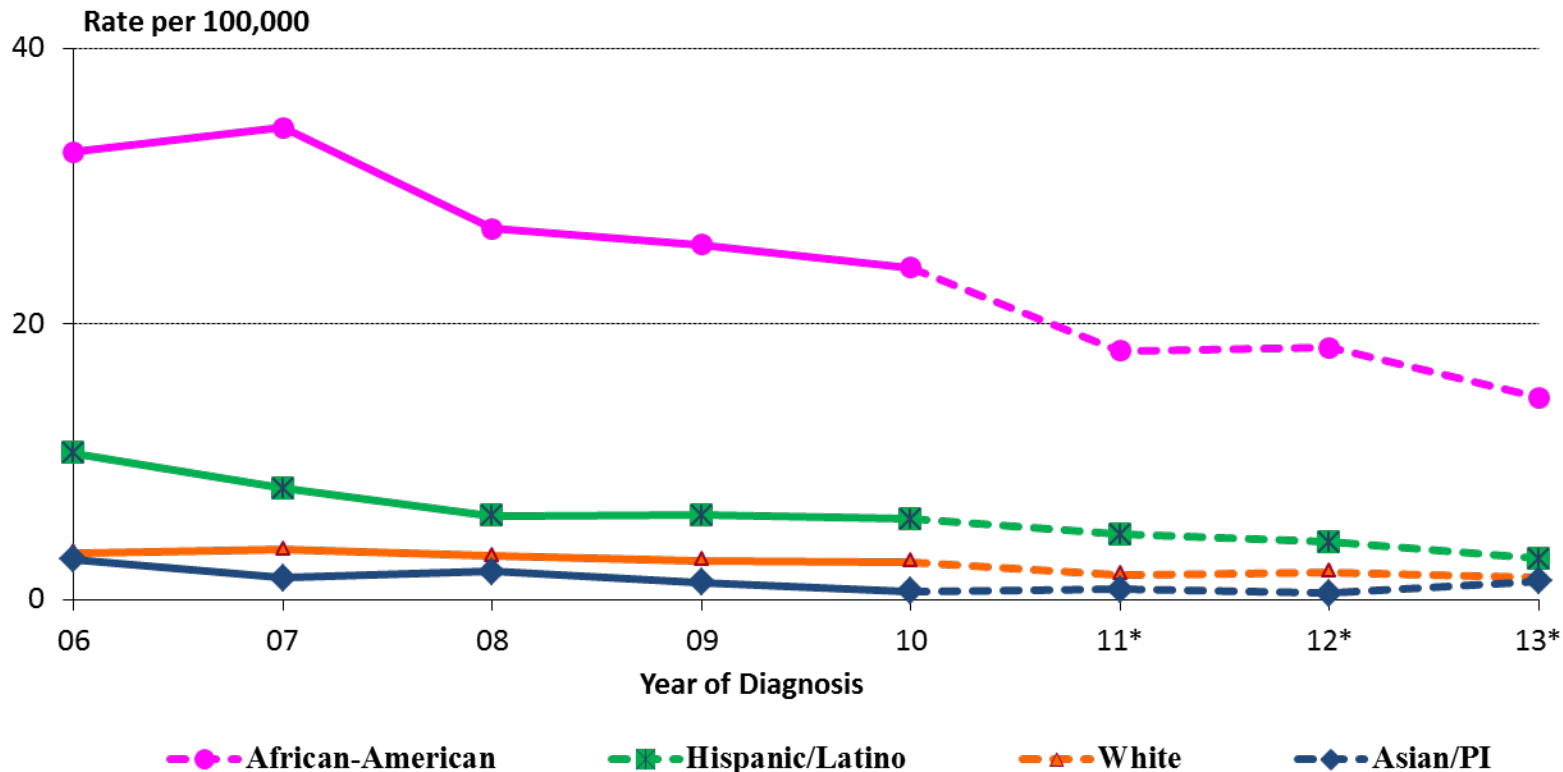
Rates of HIV Diagnoses Among Adult/Adolescent Men by Race/Ethnicity¹, Los Angeles County, 2006-2013



1. American Indian and Alaskan Native are not presented due to small numbers that may cause unstable estimates.
* Data are provisional due to reporting delay.

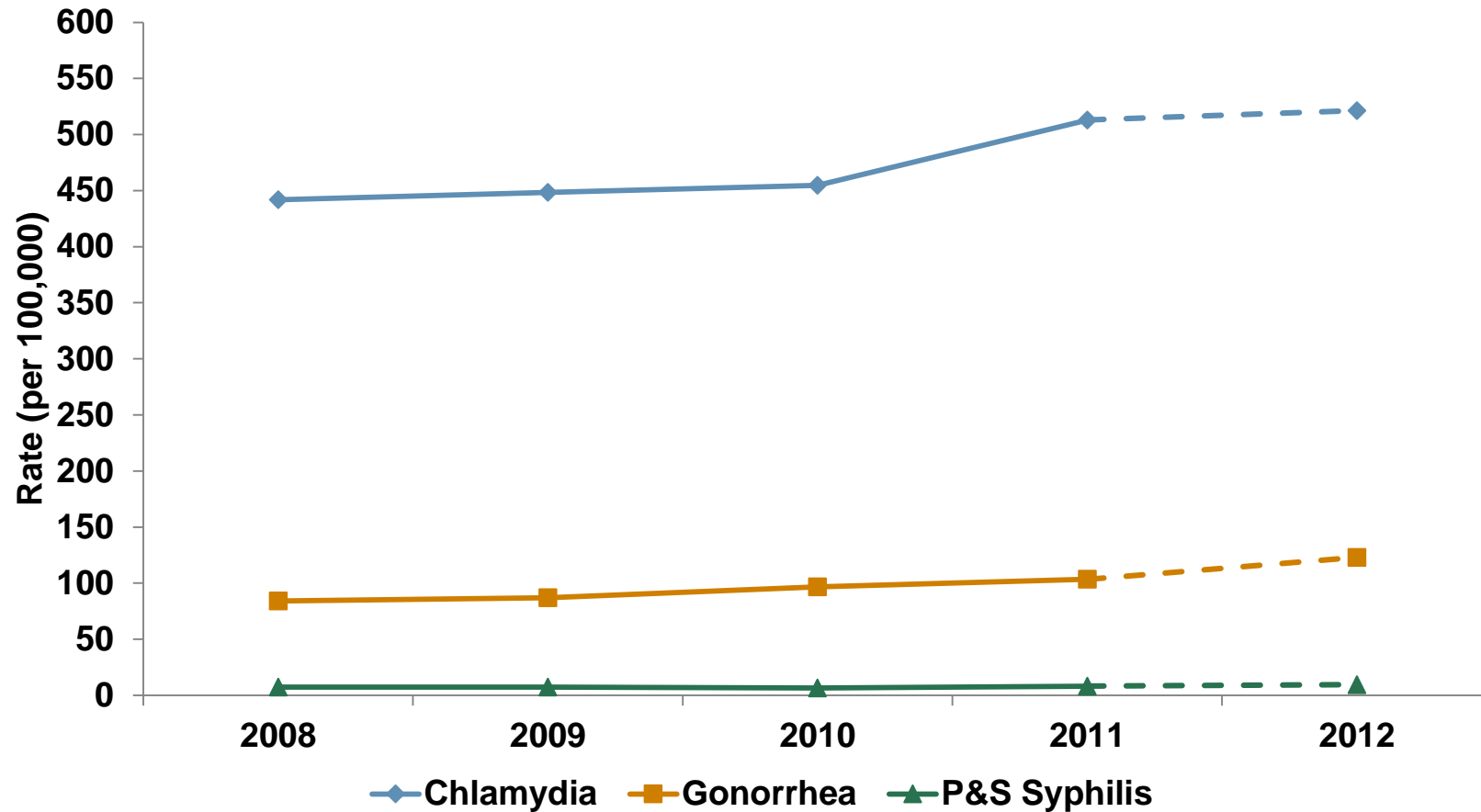


Rates of HIV Diagnoses Among Adult/Adolescent Women, by Race/Ethnicity¹, LAC, 2006-2013



1. American Indian and Alaskan Native are not presented due to small numbers that may cause unstable estimates.
* Data are provisional due to reporting delay.

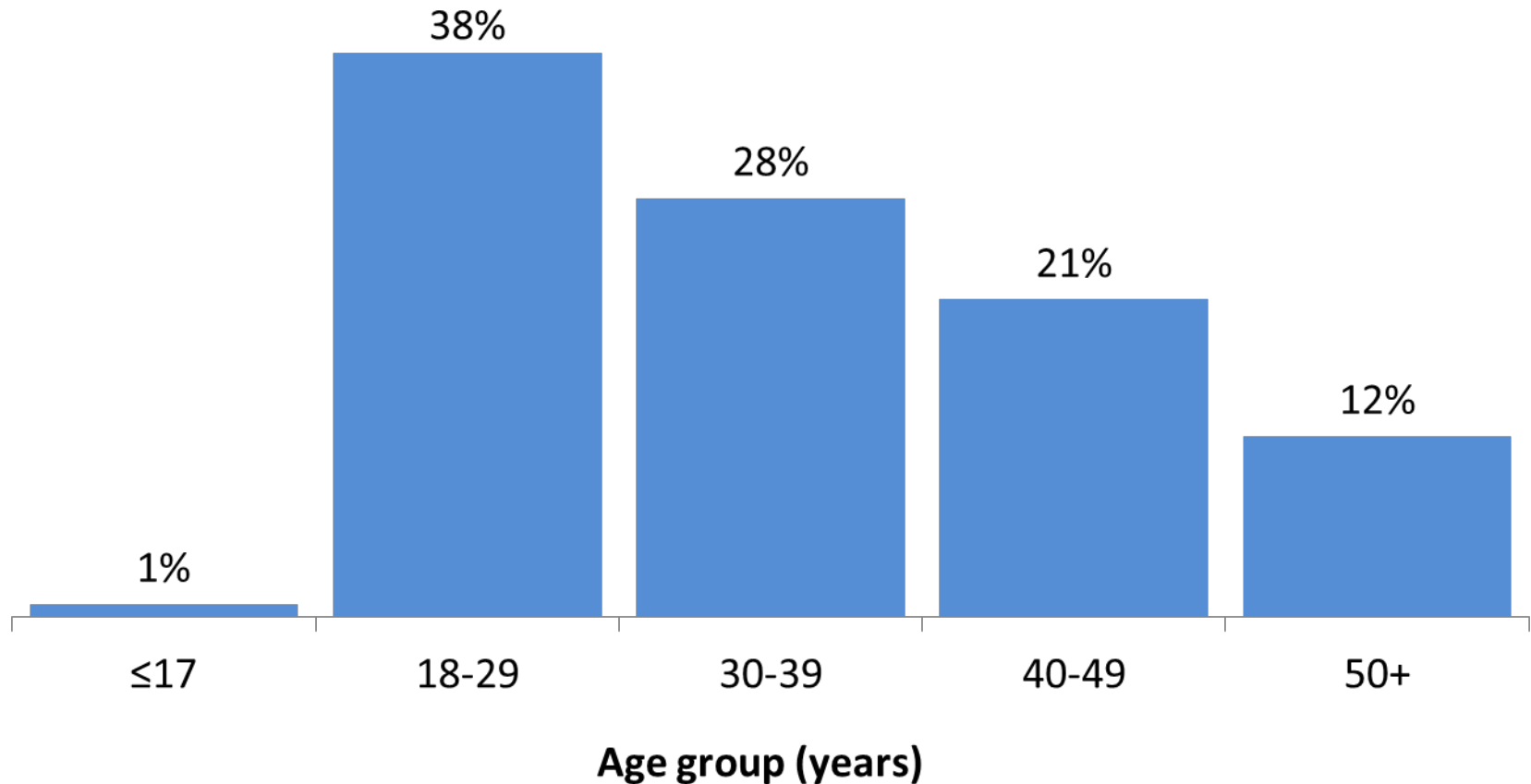
Chlamydia, Gonorrhea and P&S Syphilis Rates, Los Angeles County, 2007-2012¹



¹ Data are from STD Casewatch; excludes cases in Long Beach and Pasadena; 2010-2012 data are provisional due to reporting delay



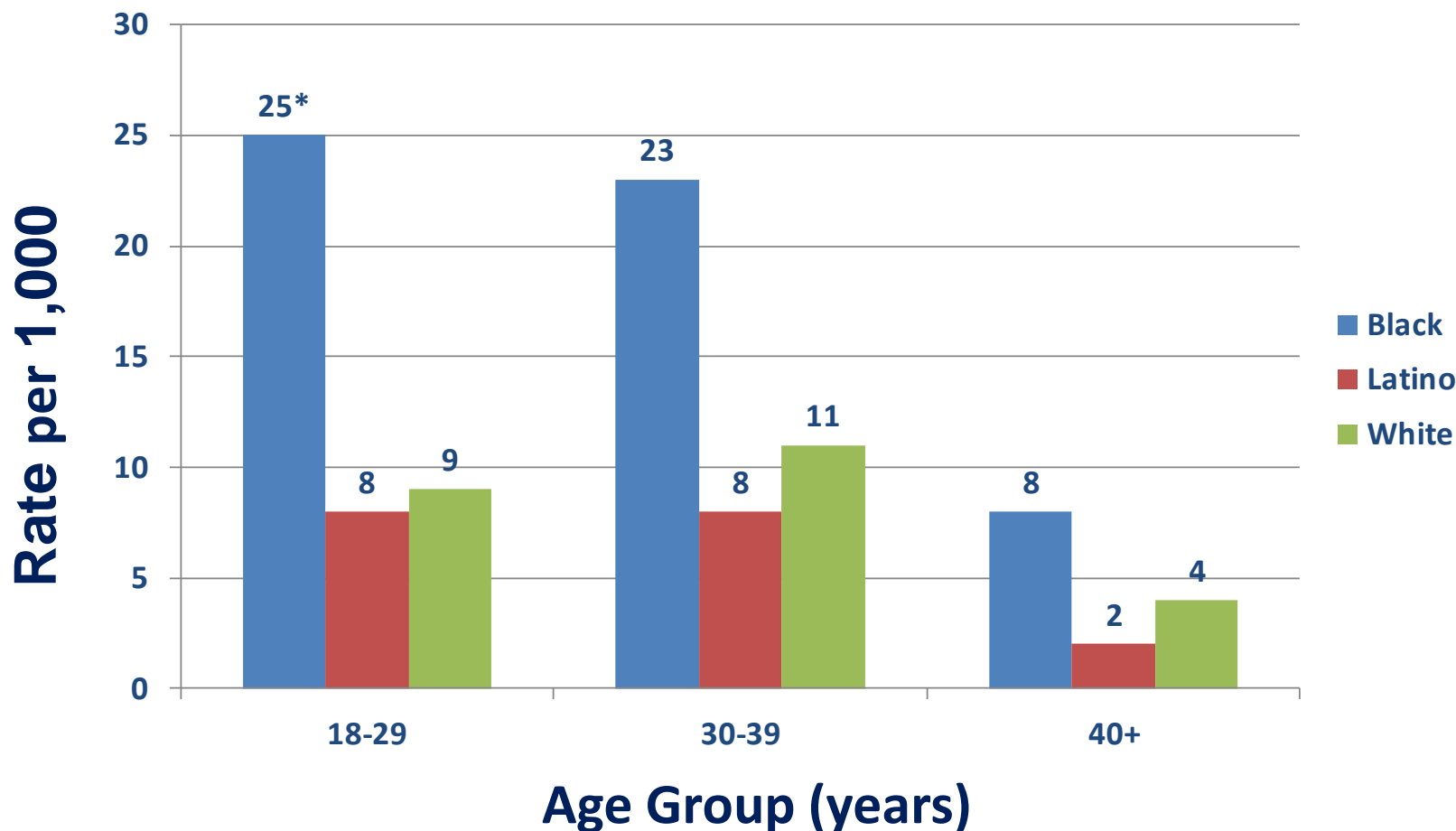
New HIV Diagnoses by Age Group Los Angeles County, 2012¹ (n=1911)



1. Data are provisional

Source: LAC Division of HIV and STD Programs, reported as of 12/31/2013.

Estimated Rate of New HIV Infection in Young MSM by Race/Ethnicity and Age, 2008-2010, LAC HIV Incidence Surveillance



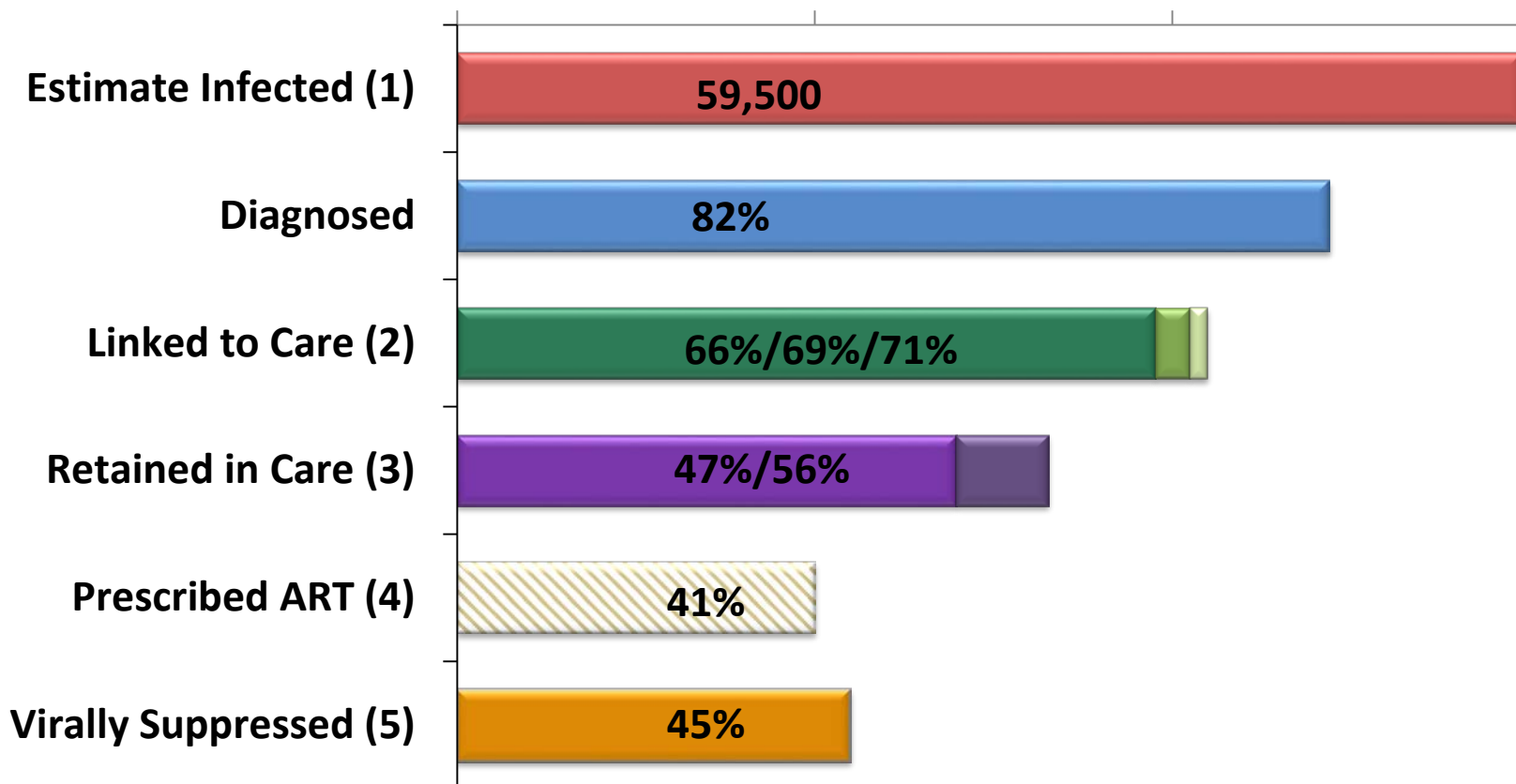
*Rate for black MSM significantly different from other MSM.

Source: LAC Division of HIV and STD Programs, reported as of 12/31/2012.

HIV/STD Cascades

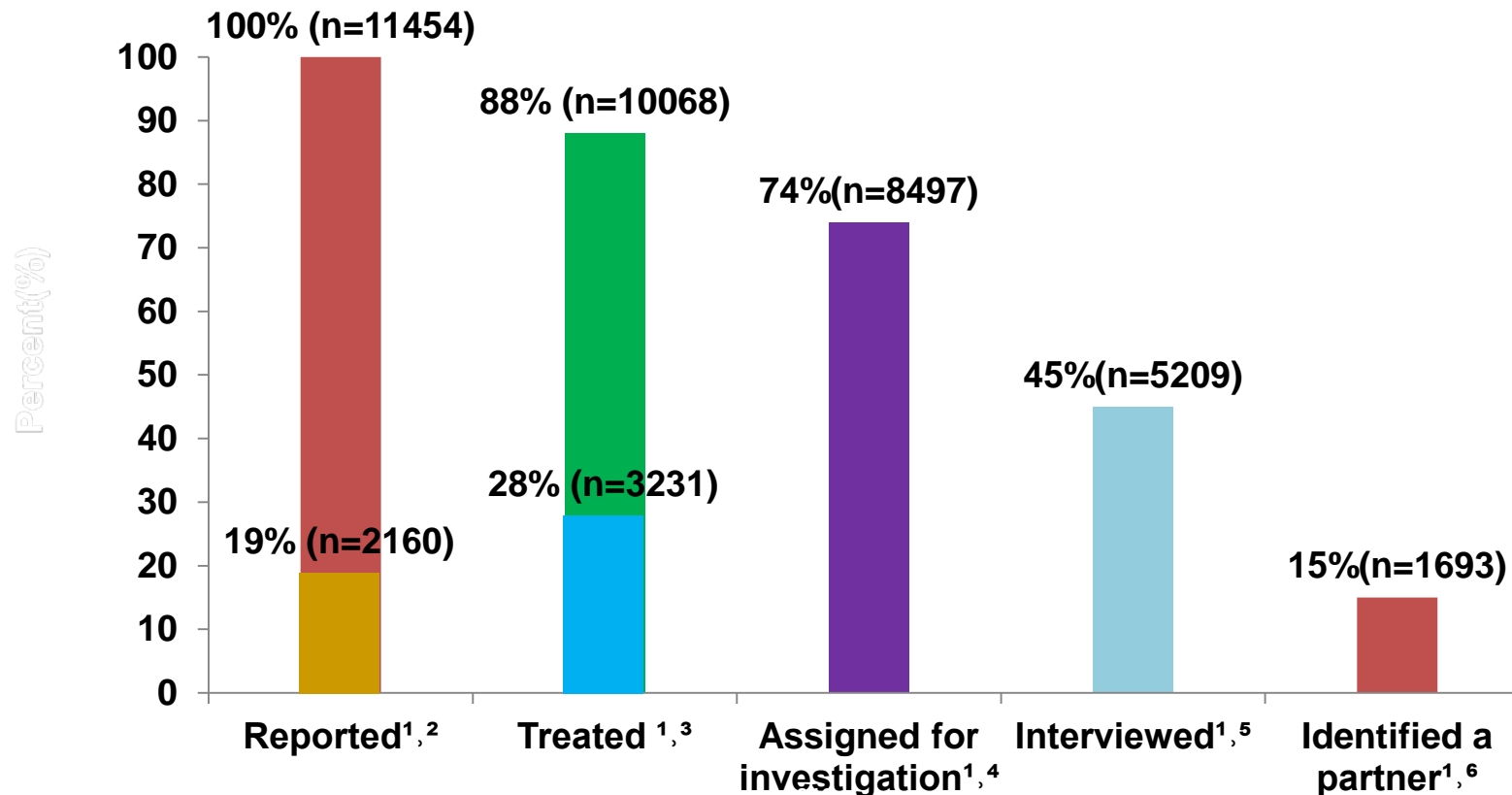


HIV Care Continuum: Los Angeles County Using HIV Surveillance and MMP Data – 2011



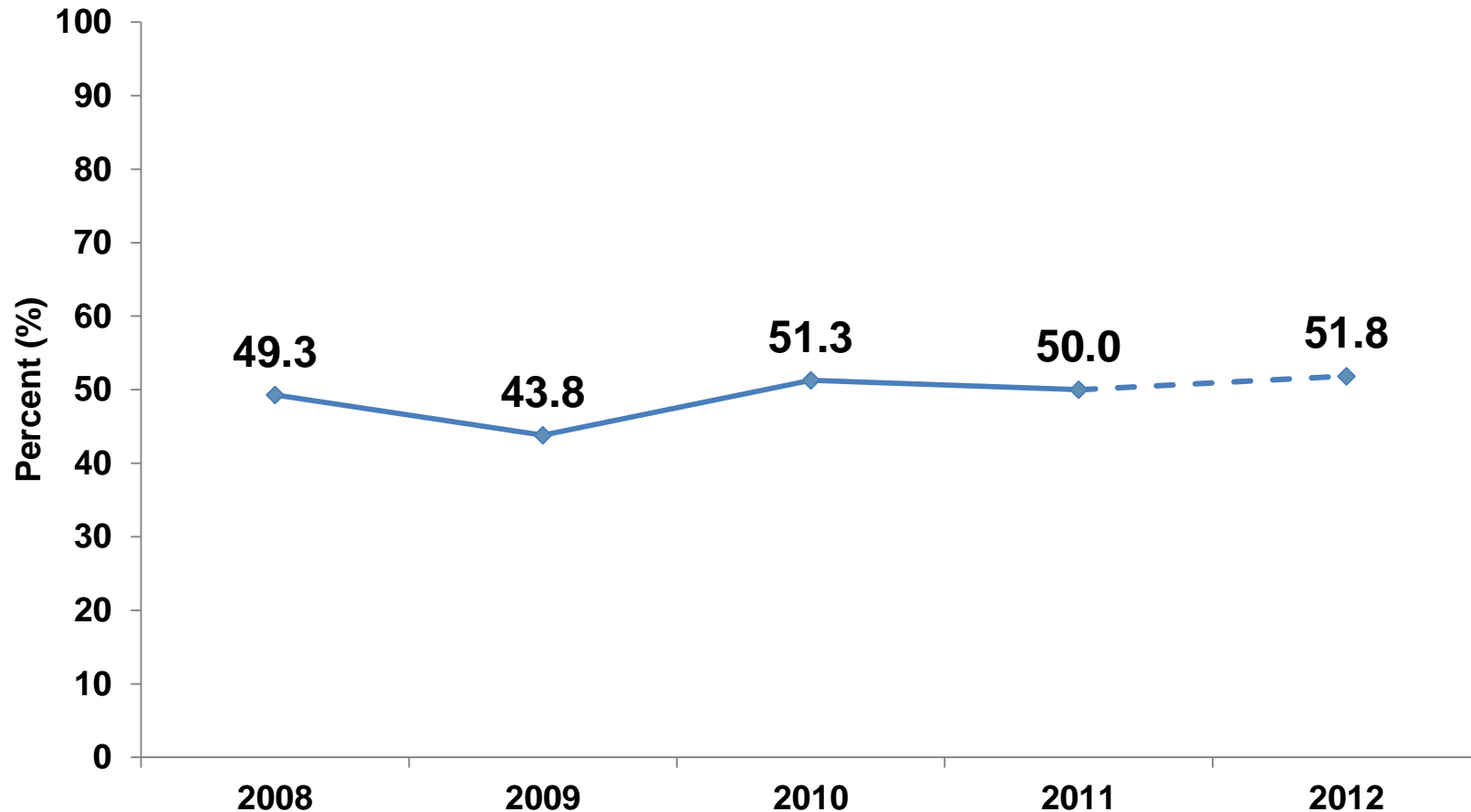
- (1) Estimate of PLWH in LAC for 2011 includes 18.1% PLWH that CDC estimates are unaware of status.
- (2) Linked to care within (a) 3 months, (b) 6 months and (c) 12 months of HIV diagnosis. Denominator is estimated number HIV diagnosed in 2011, plus 18.1% unaware (n=2,263).
- (3) Retained in Care: (a) PLWH with ≥ 2 Viral Load reported at least 3 months apart and (b) PLWH with at least one Viral Load reported in last 12 months.
- (4) Information on ART from Medical Monitoring Project (MMP). (5) Viral suppression defined as VL <200.

2012 LAC Gonorrhea Cases (n=11,454) Reported, Evaluated, Treated, Assigned, Interviewed and who Identified at Least One Partner



2. Numerator is # GC cases reported to LAC including 19% reported by county-run clinics/hospitals, 80% by others, and <1% with missing provider information.
3. Numerator is # GC cases who completed treatment including 28% of total treated GC cases brought to treatment or treated in the field as a result of county partner services (PS) program efforts
4. Numerator is # GC cases assigned to a PHI/PHN/CEDIS for investigation
5. Numerator is # GC cases interviewed; does not include provider-delivered partner services
6. Numerator is # GC cases who identified at least one partner; does not include provider-delivered partner services

Proportion of MSM and MSMW with Primary and Secondary Syphilis who are Co-infected with HIV, LAC, 2008-2012¹



¹ Data are from STD Casewatch; excludes cases in Long Beach and Pasadena; 2012 data are provisional due to reporting delay; sexual orientation is based on self-report; all HIV cases are confirmed

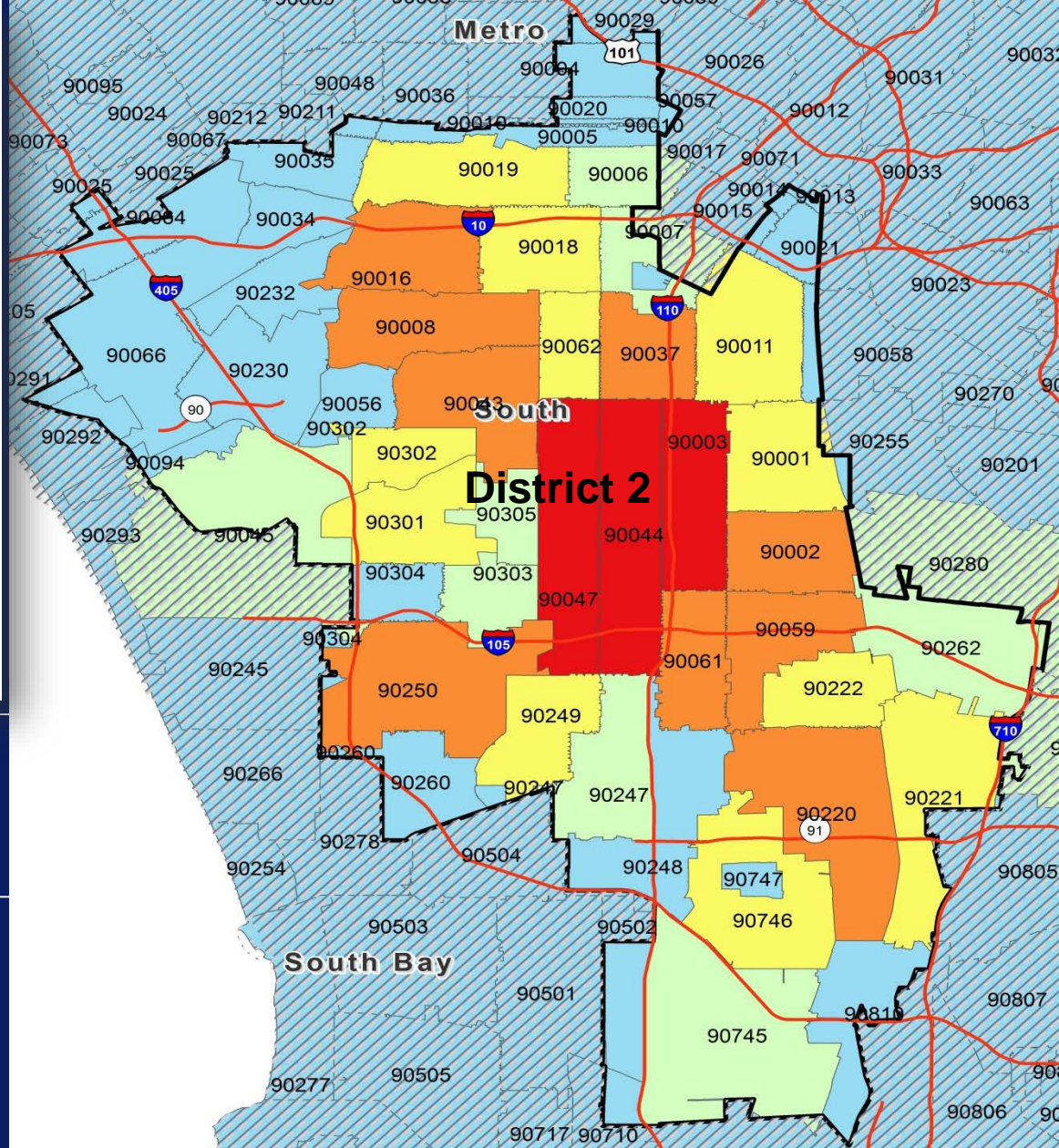
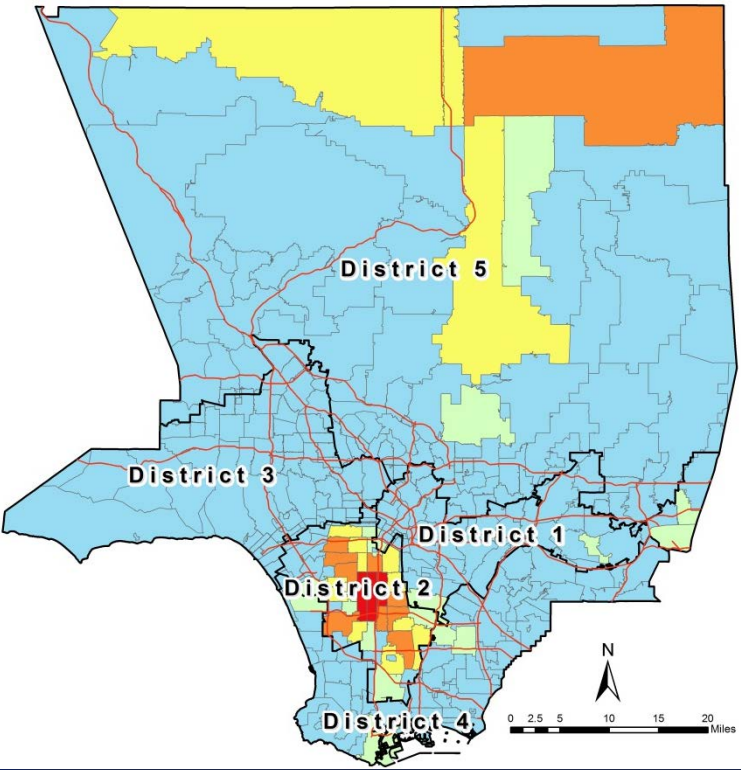


Does HIV prevention need to include STD prevention?

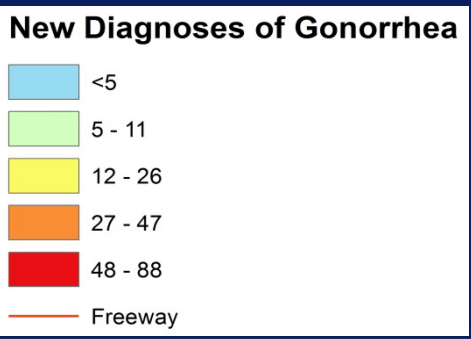
How many infections are being averted through behavioral interventions?



Focused STD Community Planning in a High Disease Burden Area: Supervisorial District 2



New Diagnoses of Gonorrhea among African American Females Ages 15-24 by Zip Code and Supervisorial District 2, Los Angeles County, 2012





Number of Cases and Rates of Chlamydia, Gonorrhea and P&S Syphilis among Youth and Young Adults Ages 15 to 24, by Race/Ethnicity for LAC Supervisorial District 2(D2), 2012¹

Group	Chlamydia Rate ² (n)	Gonorrhea Rate ² (n)	P&S Syphilis Rate ² (n)
D2 Youth and Young Adults Ages 15 - 24			
African American	6,299 (4,468)	2,012 (1,427)	59 (42)
Latino	1,732 (3,436)	200 (397)	8 (16)
White	1,345 (309)	348 (80)	--- (<5)
SPA 6 Total (ages 15-24)³	3,570 (6,664)	733 (1,368)	25 (47)
LAC Total (ages 15–24)⁴	2,074 (28,816)	347 (4,816)	13 (179)

1. Data are provisional due to reporting delay; as of 1/28/14
2. Per 100,000 population; rates based on <20 cases are considered unstable; rates based on <5 cases are not shown.
3. Includes all cases among ages 15 – 24 in SPA 6, irrespective of race/ethnicity.
4. Includes all cases among ages 15 – 24 in LAC, irrespective of race/ethnicity; excludes cases in Long Beach and Pasadena.



DISTRICT 2 STI COMMUNITY ADVISORY COALITION

Our Vision:

Youth and young adults in District 2
living healthy lifestyles in a thriving and
supportive community

DHSP-Supported Biomedical Demonstration Projects and Programs



DHSP-Supported Biomedical Services

- **PrEP (Pre-exposure prophylaxis) time-limited CHRP Demonstration Project:**
 - LAGLC in SPA 4 and the OASIS Clinic in SPA 6
 - MSM and Transgender Women
- **PEP LA Program (Non-Occupational Post-Exposure Prophylaxis):**
 - LAGLC in SPA 4 and OASIS Clinic in SPA 6

Future Directions of Biomedical Services

- **Currently 4 PrEP demonstration programs at 8 locations in LAC**
- **Incorporate biomedical interventions into permanent local HIV prevention response**
- **Coordinate with Commission on HIV, community planners, diverse set of stakeholders**
- **Adopt demonstration projects' best practices**
- **Identify all potential financing mechanisms**
- **Diversify access points**

Summary of HIV/STD Epidemiologic Data

Summary of Epidemiologic Data - I

- **HIV/STD disparities in LAC including a disproportionate impact on youth, African Americans and MSM**
- **HIV rates are decreasing in African American men and women in LAC, but disparities persist**
- **Geographic disparities include a high HIV, GC and CT burden in the Metro and South SPAs and a high SY burden in the Metro SPA**

Summary of Epidemiologic Data - II

- **Approximately 1,900 new HIV infections in LAC each year; 60,050 people living with HIV; and 9,500 people are unaware of their HIV infection**
- **Approximately 66% of HIV+ persons in LAC link to care within 3 months, 47% are retained in care, 41% are on ART and 47% have suppressed viral load**

Priorities and Future Directions



Priorities and Future Directions

- **Address HIV/STD disparities for youth, MSM and African Americans**
- **Fully map out STD burden for LAC**
- **Increase public and private sector STD screening and capacity**
- **Increase targeted STD screening efforts**
- **Reduce gaps in partner services activities**
- **Complete current targeted and countywide STD strategic planning efforts**
- **Continue to develop synergies between HIV and STD activities**

Acknowledgments

Amy Wohl	Waley Zeng	Douglas Frye
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