

Mapping HIV Prevention and Treatment in Los Angeles County

**A Countywide Snapshot of Publicly-funded
Testing, Prevention, and Treatment**

Section I: HIV Care and Treatment

March 2009



Los Angeles County Department of Public Health

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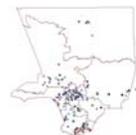
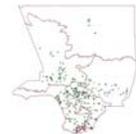
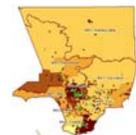
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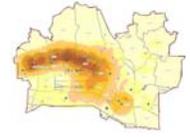


Map Title

24 Distribution of Medical Outpatient Clients, Service Planning Area 4 (Metro), March 2007 - February 2008, Los Angeles County



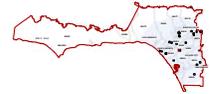
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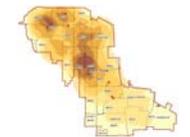
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Background

Geographic Information Systems (GIS) are an important tool in the planning for public health services. The Office of AIDS Programs and Policy (OAPP), Planning & Research Division has been developing maps using GIS technology since 2004. These maps have been used in conjunction with other data sources to evaluate HIV prevention and care services in Los Angeles County. In addition, OAPP has been working collaboratively with the Public Health GIS Users Group (GISUG) to share information and best practices. As a result, OAPP has developed a number of maps which display HIV testing and treatment services data.

OAPP has three sources of geographic data: HIV counseling & Testing (HCT), HIV care services, and the Los Angeles Coordinated HIV Needs Assessment (LACHNA).

HIV Counseling & Testing

As of 2009, zip code-level geographic data are available for residence of individual testers and address-level for testing site for all OAPP-funded HIV tests. Discussions regarding the feasibility and benefit of collecting these data at the census tract level are ongoing. Geographic data collected from HCT have been used to prioritize services in the Los Angeles County HIV Prevention Plan (2009-2013)¹, to strategize targeted testing efforts including HIV Counseling and Testing Week², and to evaluate current services.

HIV Care Services

Geographic data are collected at the address level for both client residence and service provider sites. While address-level data are used within Planning & Research division to evaluate and prioritize services, they are not available to the public. Maps and geographic data shared with the public and included in this report do not include confidential client-level data. Geographic data collected from HIV care services have been used to evaluate services and to plan for future services across the County.

LACHNA

LACHNA was a large-scale needs assessment conducted in 2007 and 2008 to assess HIV risk, service utilization, and service barriers among persons either at risk for HIV or currently living with HIV/AIDS. LACHNA was a pilot in collecting small-area geographic data for the purposes of planning and prioritizing services as well as for conducting spatial analysis. Geographic data collected in LACHNA include census-tract level data for respondent residence, HIV care provider (for HIV-positive respondents), work location, and main hang-out. These data are currently being analyzed. Preliminary analyses have been used in the development of the Los Angeles County HIV Prevention Plan (2009-2013)¹, as well as planning for 2008 HIV Counseling and Testing Week.

Map Features

Maps which feature Los Angeles County are drawn at 1:600,000 scale and may not have labels for small features such as service delivery sites or geographical areas including zip code and census tracts. However, the resolution of these features will display on larger sized documents such as presentation posters. Maps detailing smaller geographic areas show more detailed features including zip code and site labels. Additional detail is available on request. To protect confidentiality, client-level detail is not displayed and aggregate data is not displayed for geographic areas where 5 or less individuals or tests are contained. All maps include a legend and data source.

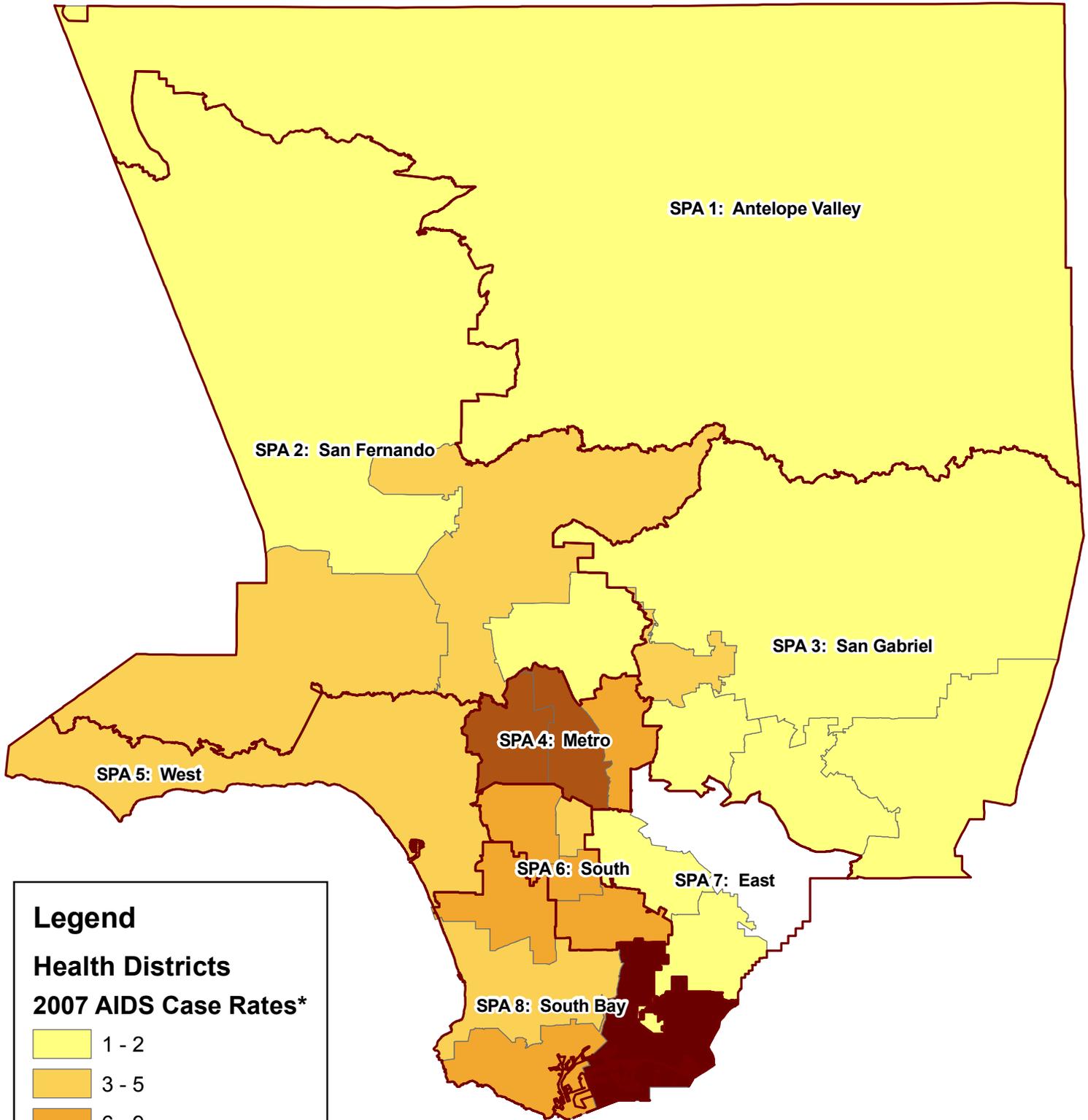
¹ Los Angeles County HIV Prevention Plan (2009-2013), <http://publichealth.lacounty.gov/aids/PreventionPlan.htm>

² HIV Counseling and Testing Annual Report, 2007, <http://publichealth.lacounty.gov/aids/reports/HCTCY2007ReportFinal.pdf>

Data Requests

The maps in this report have been included for public consumption. Additional maps and map layers are available upon request. These requests should be submitted using OAPP's request form, available online at <http://publichealth.lacounty.gov/aids/reports/ExternalDataRequestForm.pdf>. Questions regarding OAPP's GIS activities should be directed to Mike Janson, MPH, Chief Research Analyst, mjanson@ph.lacounty.gov.

2007 AIDS Case Rates by Health District Los Angeles County



Legend

Health Districts

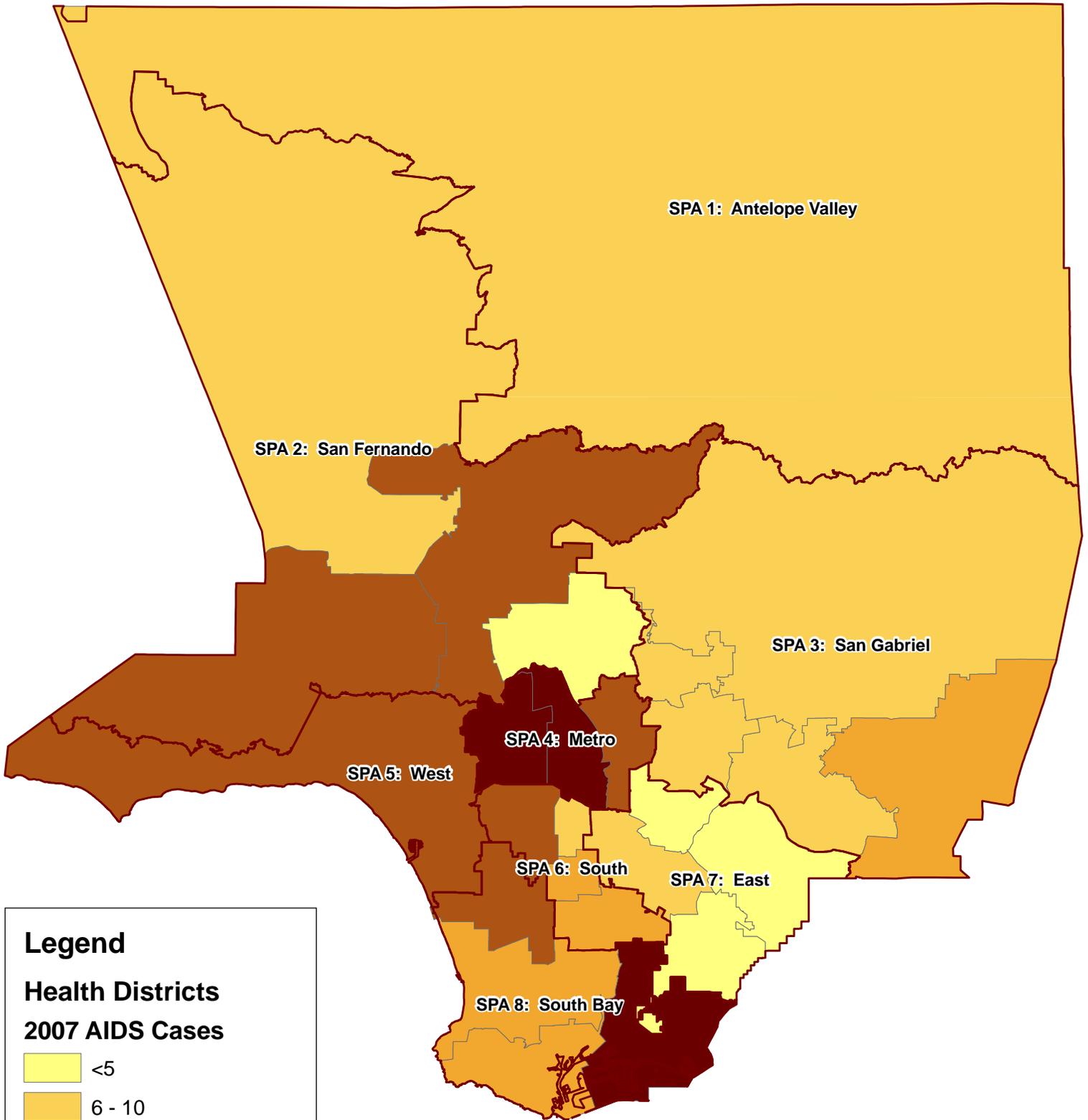
2007 AIDS Case Rates*

- 1 - 2
- 3 - 5
- 6 - 9
- 10 - 21
- 22 - 30
- SPA



*Per 10,000 Population; rates calculated using population estimates for 2007. Where 2007 AIDS cases were less than 5, no rate was calculated

AIDS Cases Diagnosed by Health District Los Angeles County



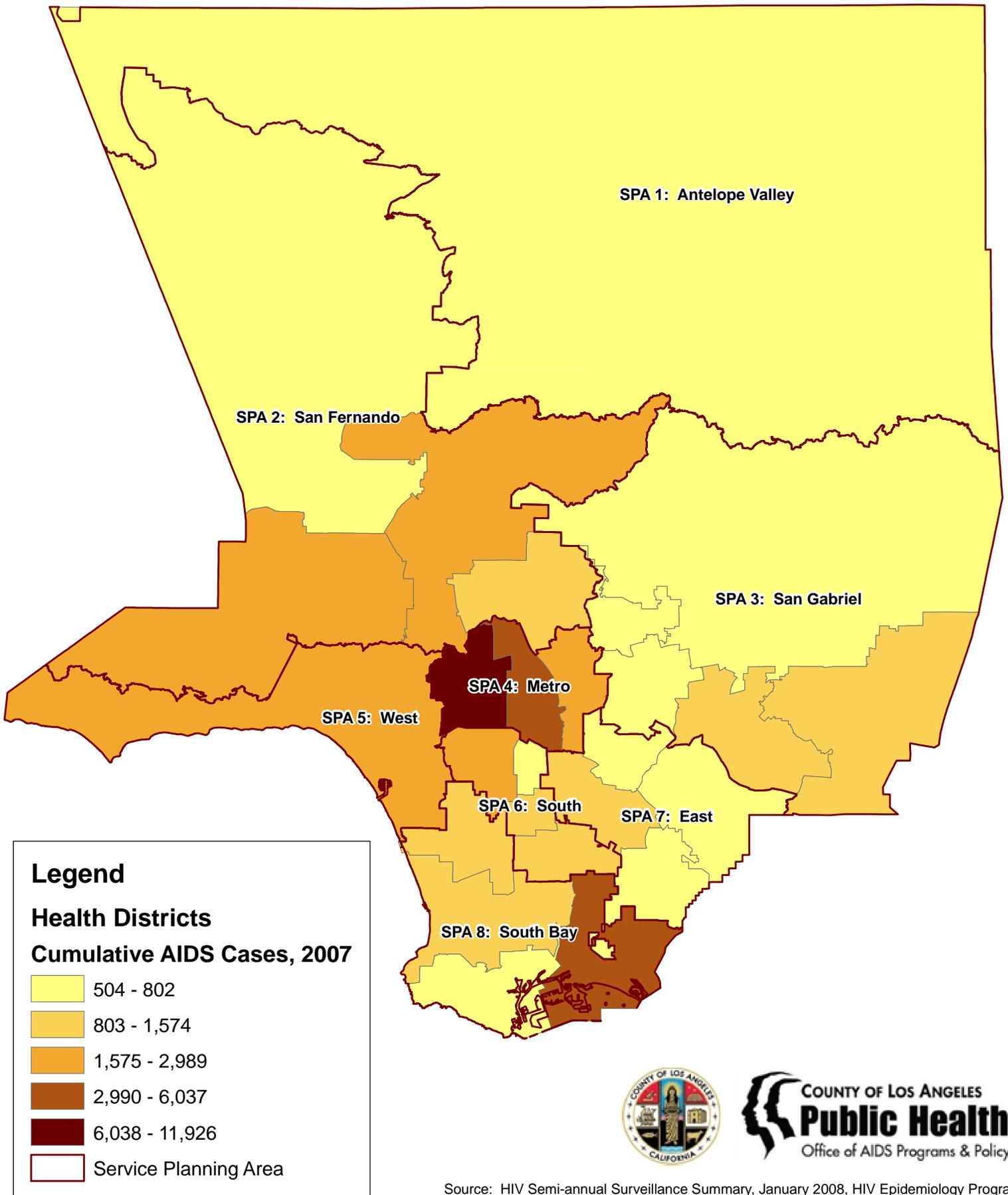
Legend

Health Districts
2007 AIDS Cases

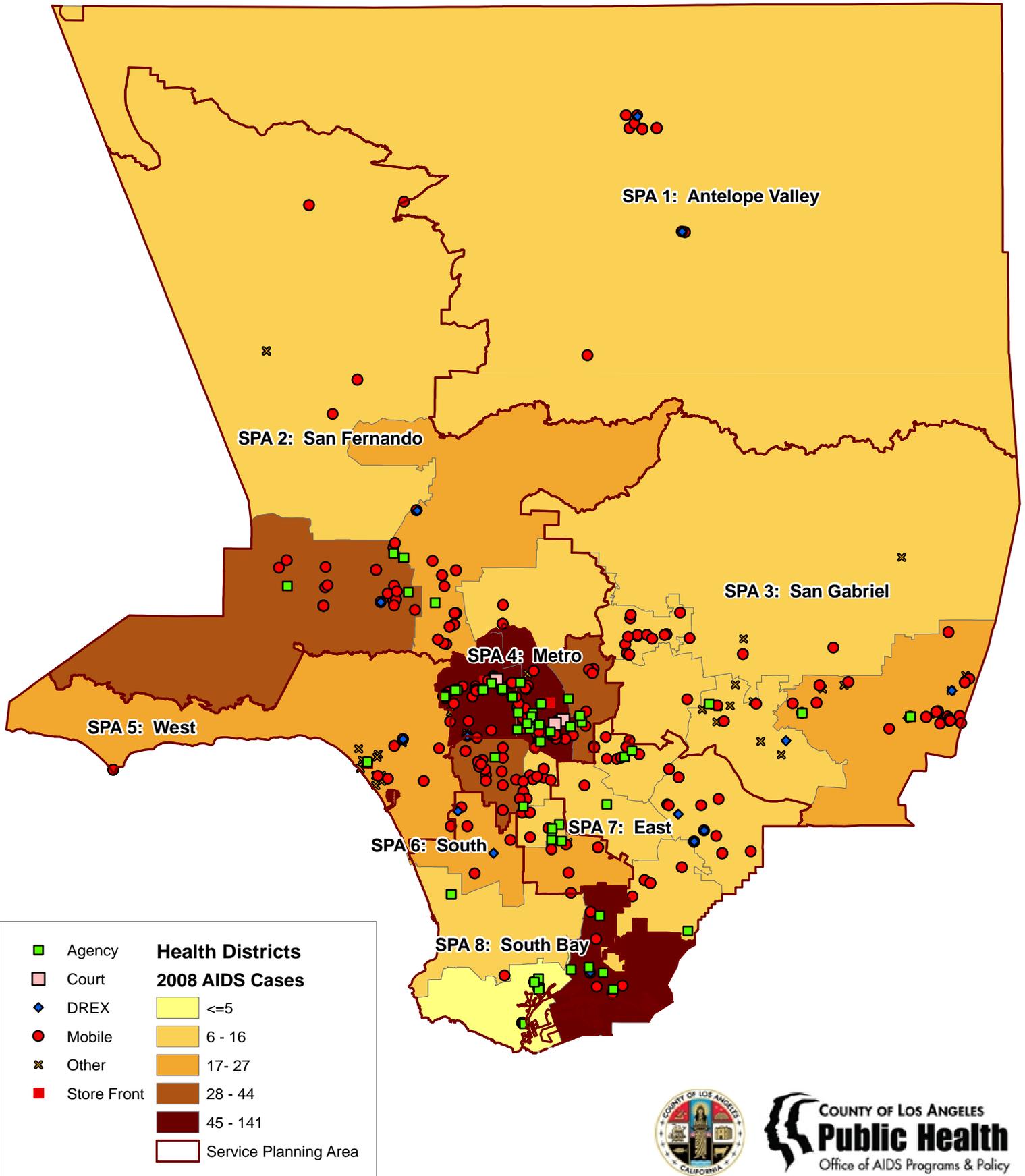
- <5
- 6 - 10
- 11 - 19
- 20 - 33
- 34 - 148
- Service Planning Area



Cumulative AIDS Cases Diagnosed by Health District, 2007 Los Angeles County



Distribution of OAPP-funded HIV & Counseling Testing Sites and AIDS Cases* within Los Angeles County Service Planning Areas (SPAs), 2008



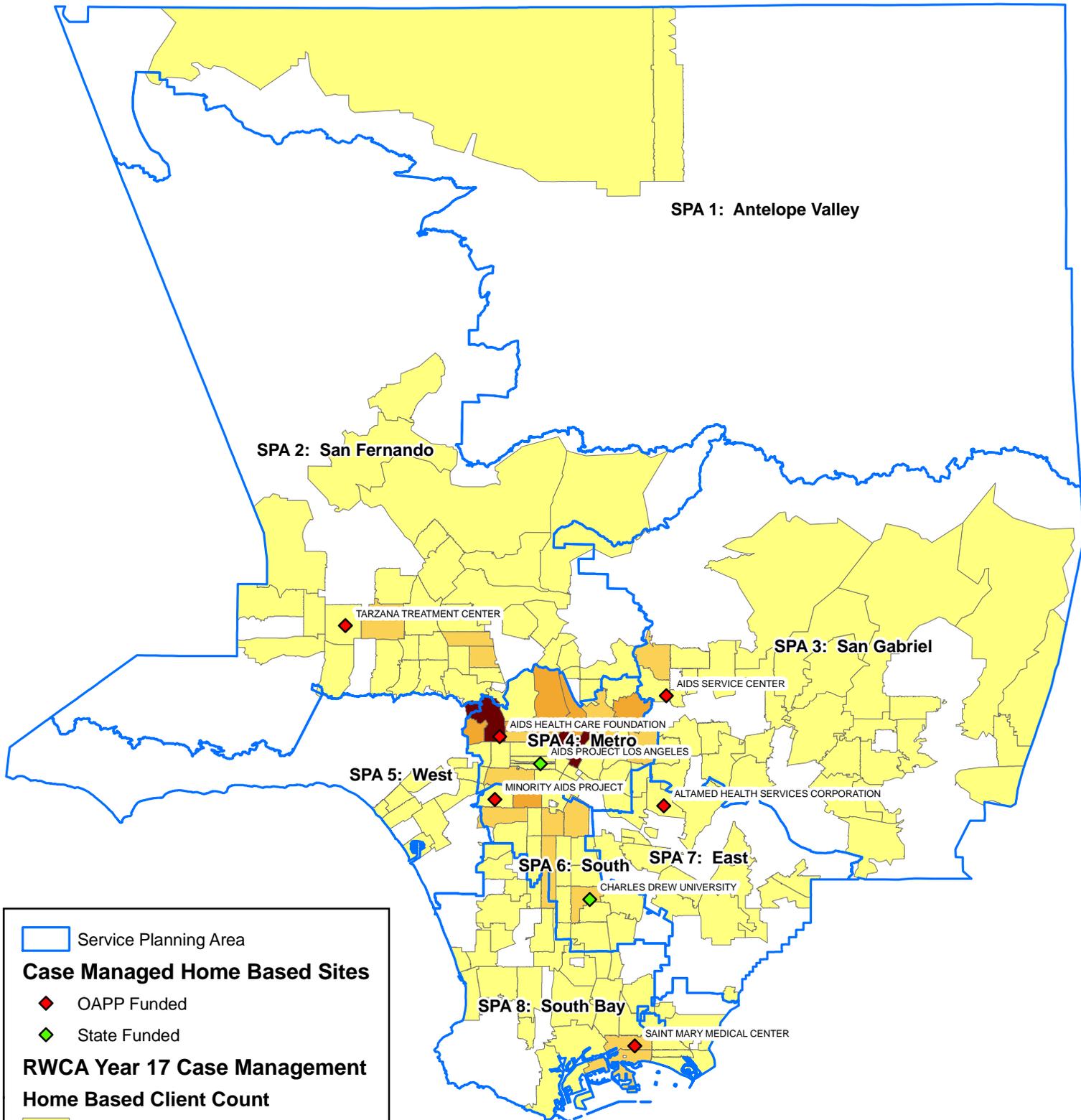
	Agency	Health Districts	
	Court	2008 AIDS Cases	
	DREX		<=5
	Mobile		6 - 16
	Other		17- 27
	Store Front		28 - 44
			45 - 141
			> 141
			Service Planning Area



*Data Source: HIV Epidemiology Program, Semi-Annual Report, February 2009

Source: HIRS, 2008. Planning & Research Division

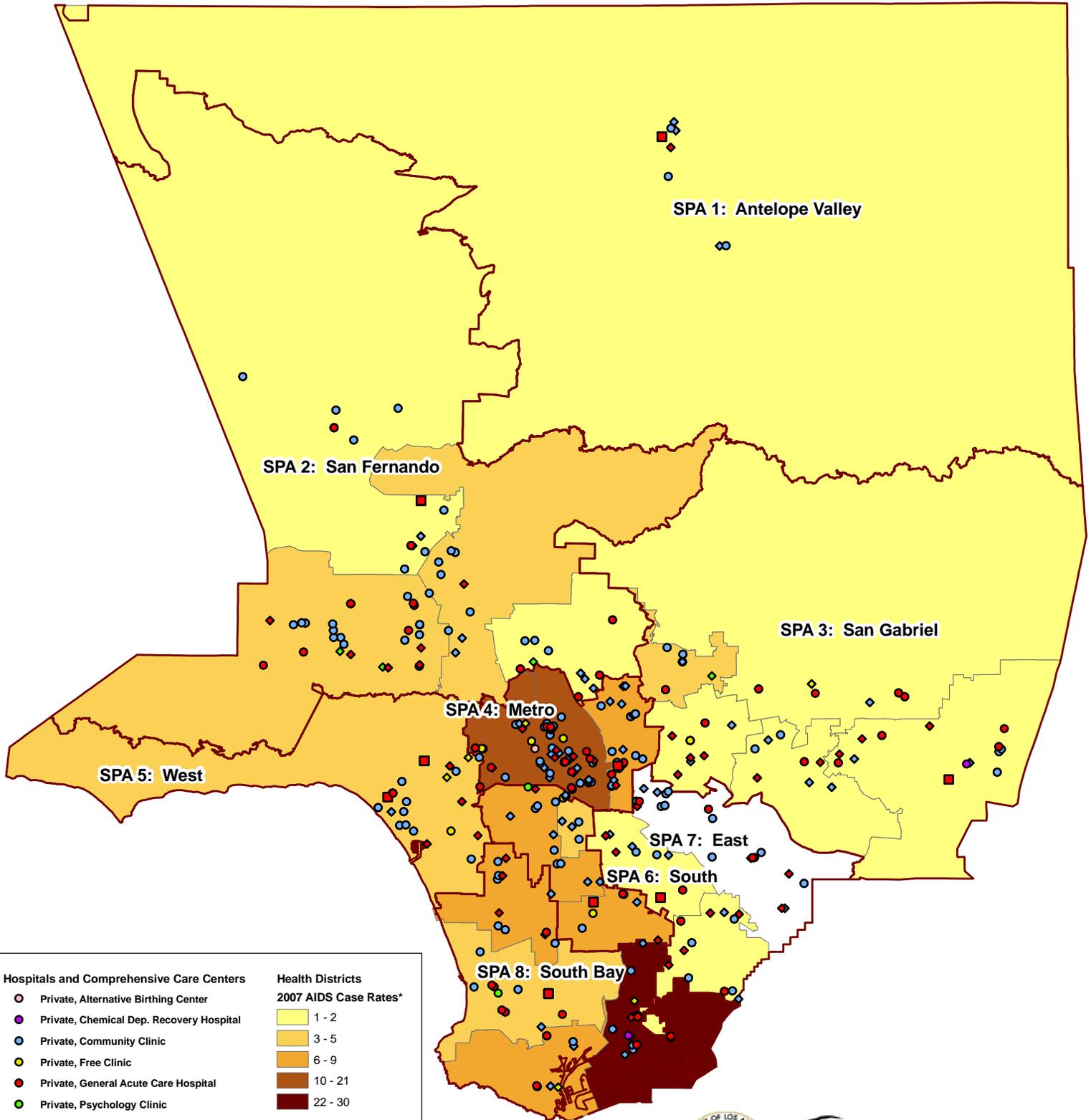
Home Based Case Management Client Distribution by Zip Code March 2007 - February 2008 Los Angeles County



Service Planning Area
Case Managed Home Based Sites
◆ OAPP Funded
◆ State Funded
RWCA Year 17 Case Management Home Based Client Count
 < 5
 5 - 10
 11- 15
 16 - 20
 21 - 29



Hospitals and Comprehensive Health Care Centers 2007 AIDS Cases by Health District Los Angeles County



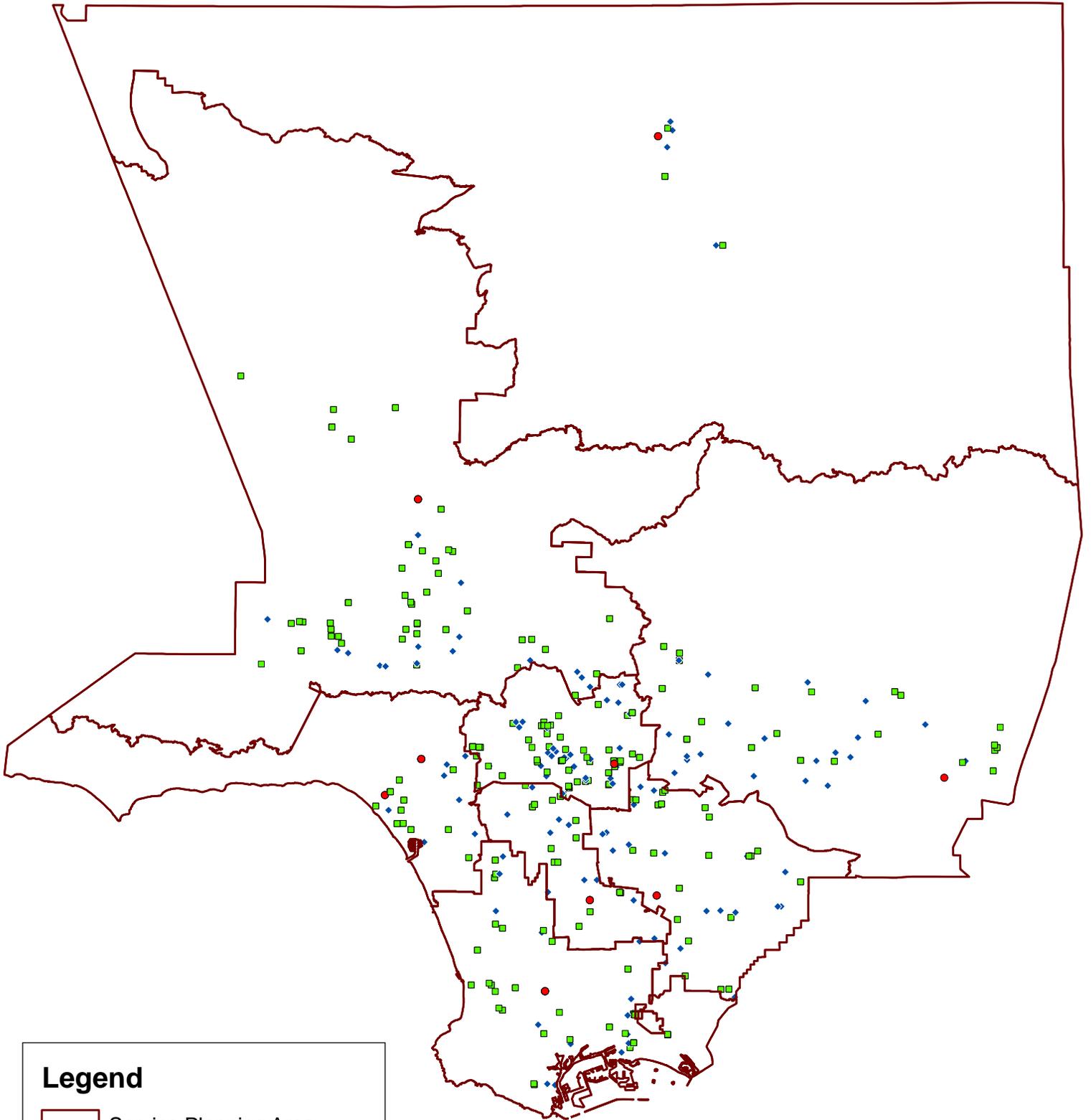
Hospitals and Comprehensive Care Centers		Health Districts	
○ Private, Alternative Birthing Center		2007 AIDS Case Rates*	
● Private, Chemical Dep. Recovery Hospital		□ 1 - 2	
● Private, Community Clinic		□ 3 - 5	
● Private, Free Clinic		□ 6 - 9	
● Private, General Acute Care Hospital		□ 10 - 21	
● Private, Psychology Clinic		□ 22 - 30	
■ Public, General Acute Care Hospital			
◆ Community Clinic, Unknown Funding			
◆ Free Clinic, Unknown Funding			
◆ General Acute Care Hospital, Unknown Funding			
◆ Psychology Clinic, Unknown Funding			
◆ Rehabilitation Clinic, Unknown Funding			

*Rates calculated using population estimates for 2007



Source: California Office of Statewide Health Planning & Development (OSHPD) Healthcare Atlas 2007; HIV Semi-annual Surveillance Summary, January 2008

Public/Private Hospitals and Comprehensive Care Centers Los Angeles County



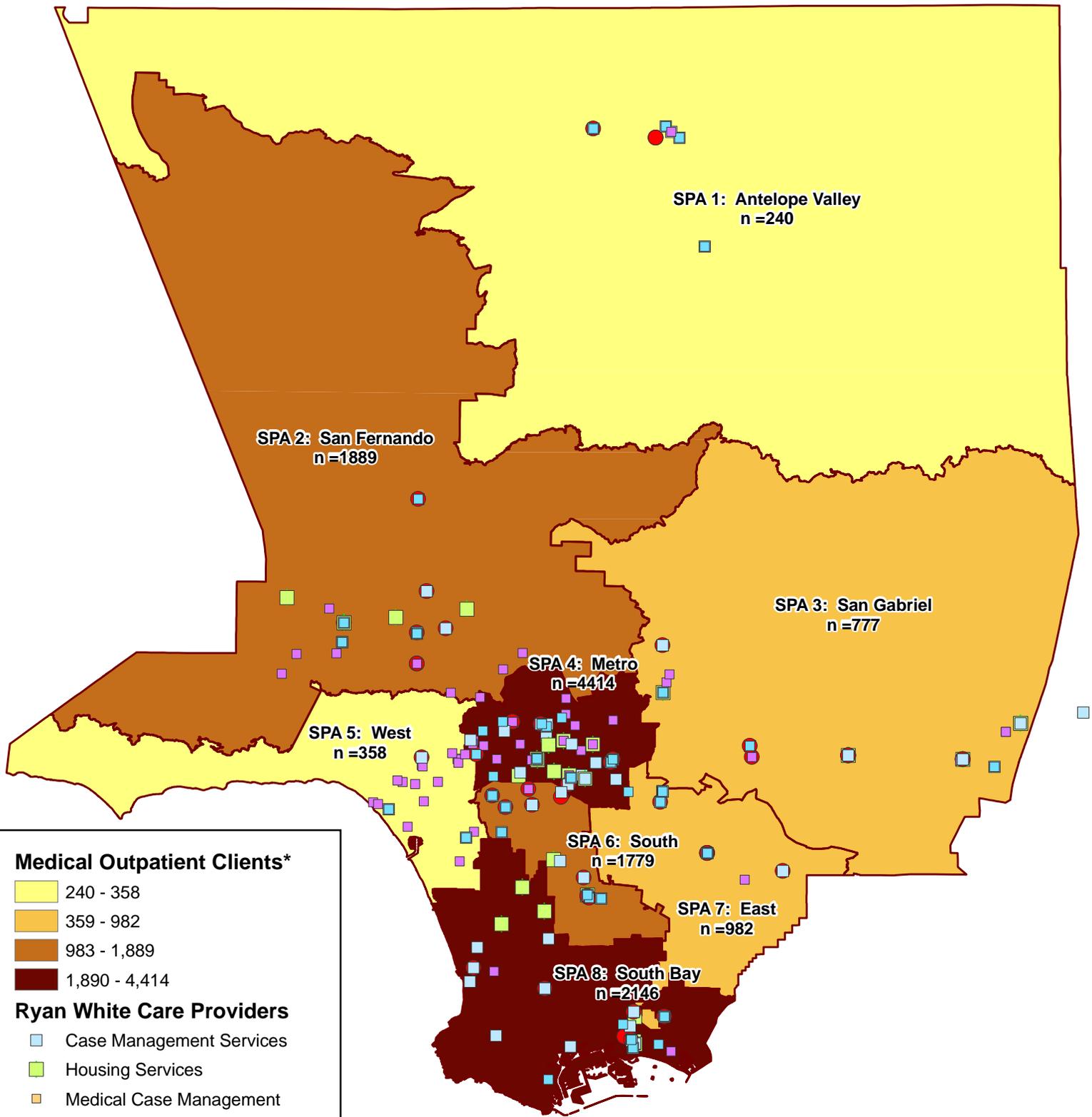
Legend

- Service Planning Area
- Private
- Public
- Public/Private - Not Defined



Source: California Office of Statewide Health Planning & Development (OSHPD)

Medical Outpatient Clients by Service Planning Area Los Angeles County March 2007 - February 2008



Medical Outpatient Clients*

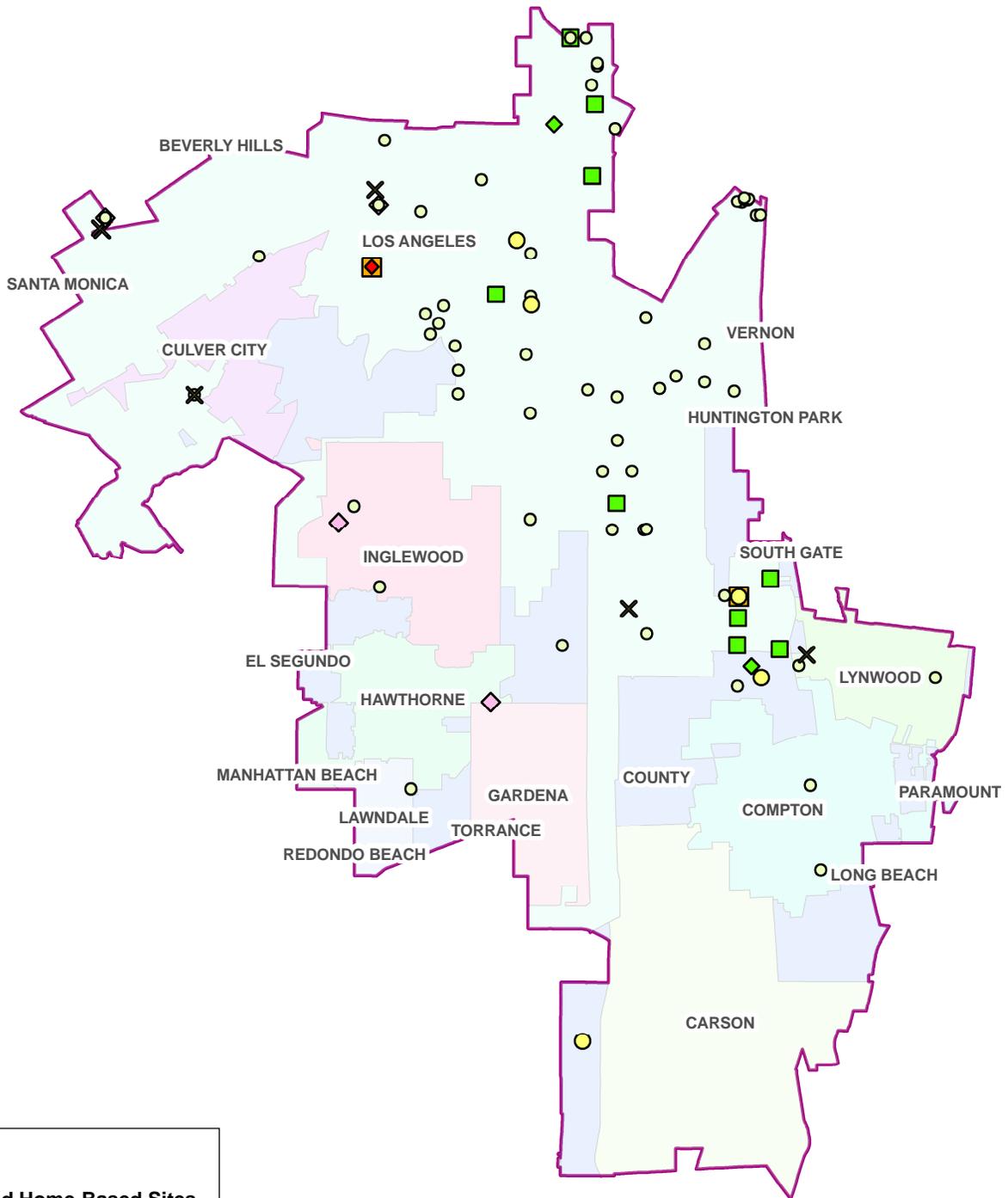
- 240 - 358
- 359 - 982
- 983 - 1,889
- 1,890 - 4,414

Ryan White Care Providers

- Case Management Services
- Housing Services
- Medical Case Management
- Medical Nutritional Therapy
- Mental Health Services
- Outpatient/ambulatory Med Svcs
- Treatment Adherence Services

* Client Distribution excludes 1,158 Medical Outpatient clients who were either homeless or had an invalid address (8% of total). Total number of Medical Outpatient clients is 13,743.
 ** Breakdown includes 25th, 50th, 75th and 100th Percentiles

Home Based Case Management, Medical Outpatient Clinic and HIV Counseling and Testing Sites, 2008 Supervisorial District 2



Legend

Case Managed Home-Based Sites

- ◆ OAPP Funded
- ◆ State Funded

Medical Outpatient Clinic

-

HCT Site

- agency
- ◇ drex
- mobile
- ✕ other
- store front

□ Supervisorial District 2

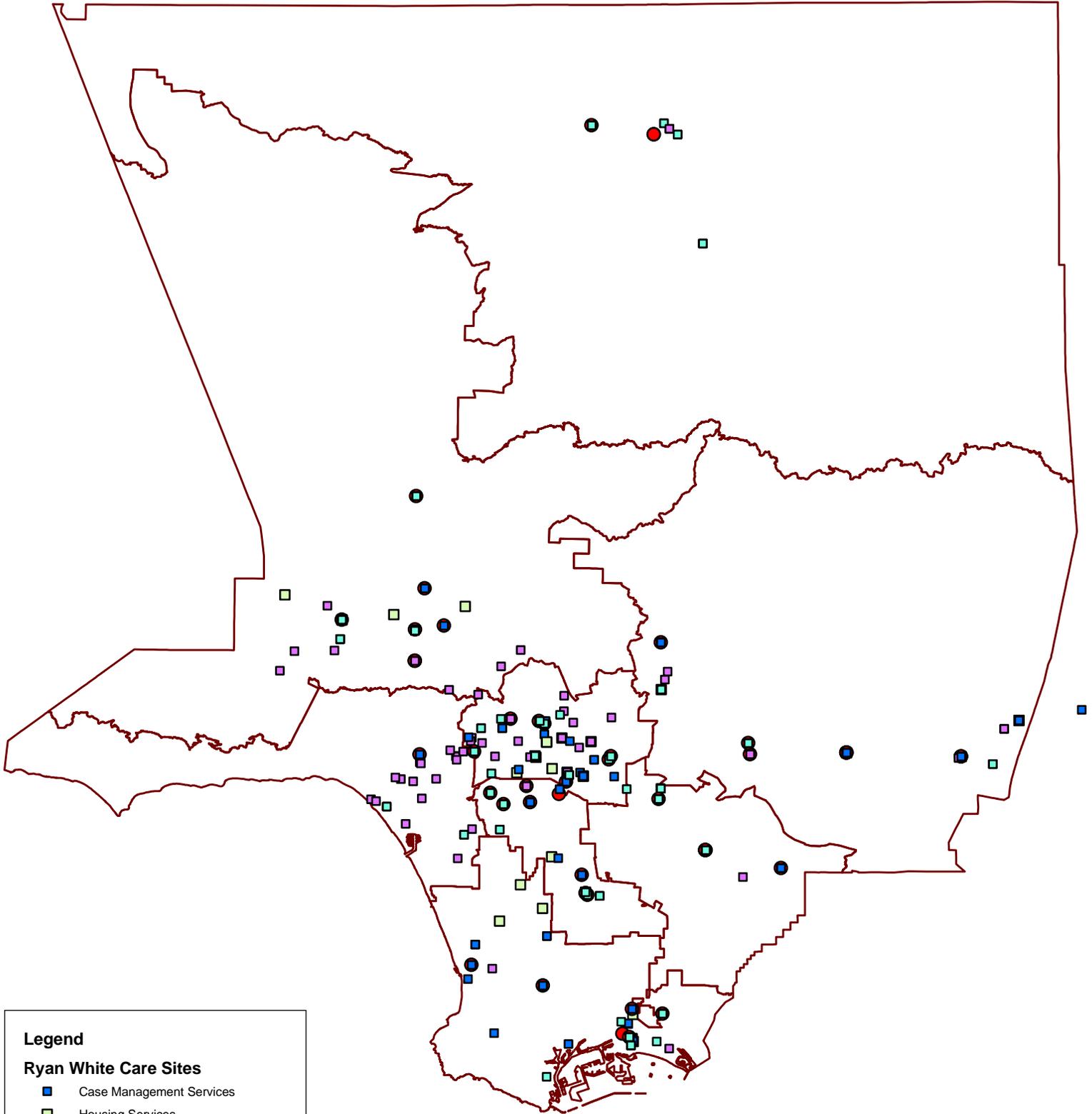


Source: CaseWatch Data, Year 17

Care Service Delivery Sites by Service Category

March 2007 - February 2008

Los Angeles County



Legend

Ryan White Care Sites

- Case Management Services
- Housing Services
- Medical Case Management (including
- Medical Nutritional Therapy
- Mental Health Services
- Outpatient/ambulatory medical servi
- Treatment adherence services
- SPA

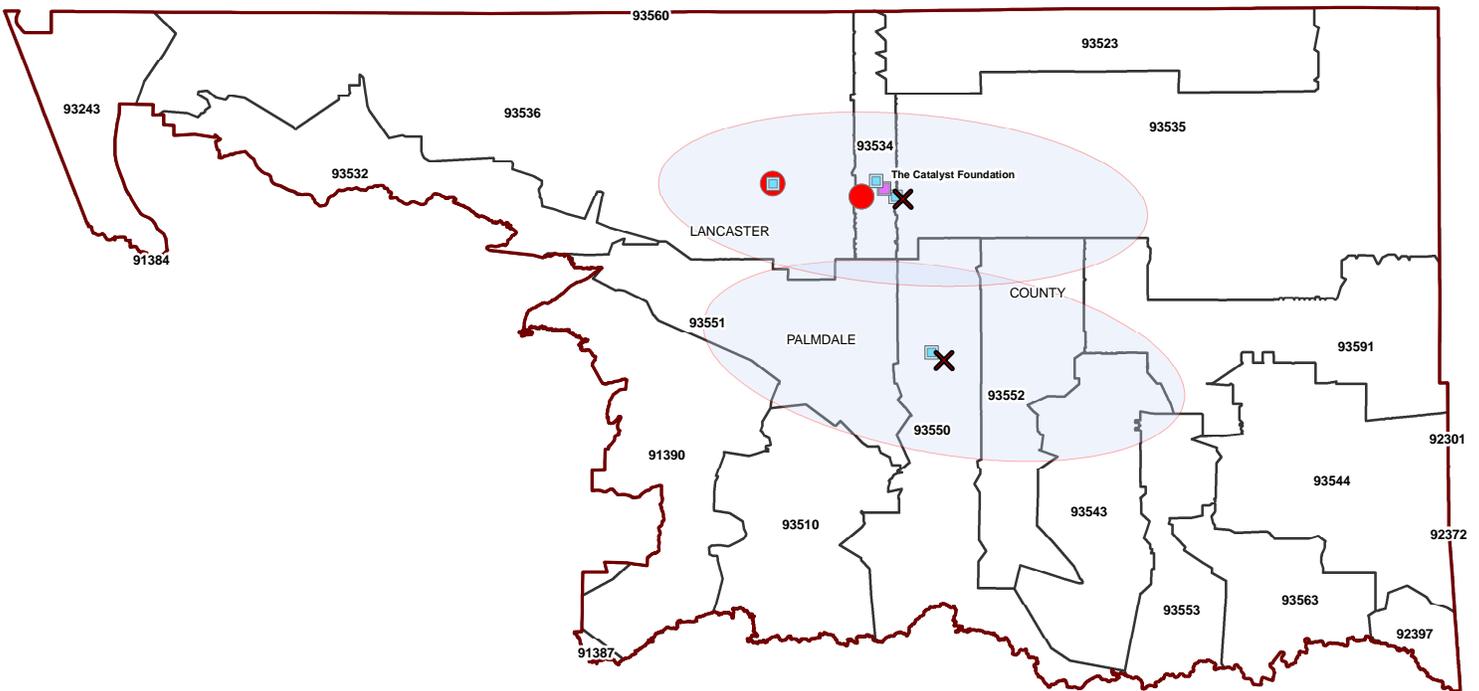


Distribution of Care Clients*

Service Planning Area 1 (Antelope Valley)

March 2007 - February 2008

Los Angeles County



Legend

- SPA Boundary
- ✕ Mean Center
- Case Management Services
- Medical Nutritional Therapy
- Mental Health Services
- Outpatient/ambulatory medical servi
- Treatment adherence services
- RWCA Clients, Directional Distribution



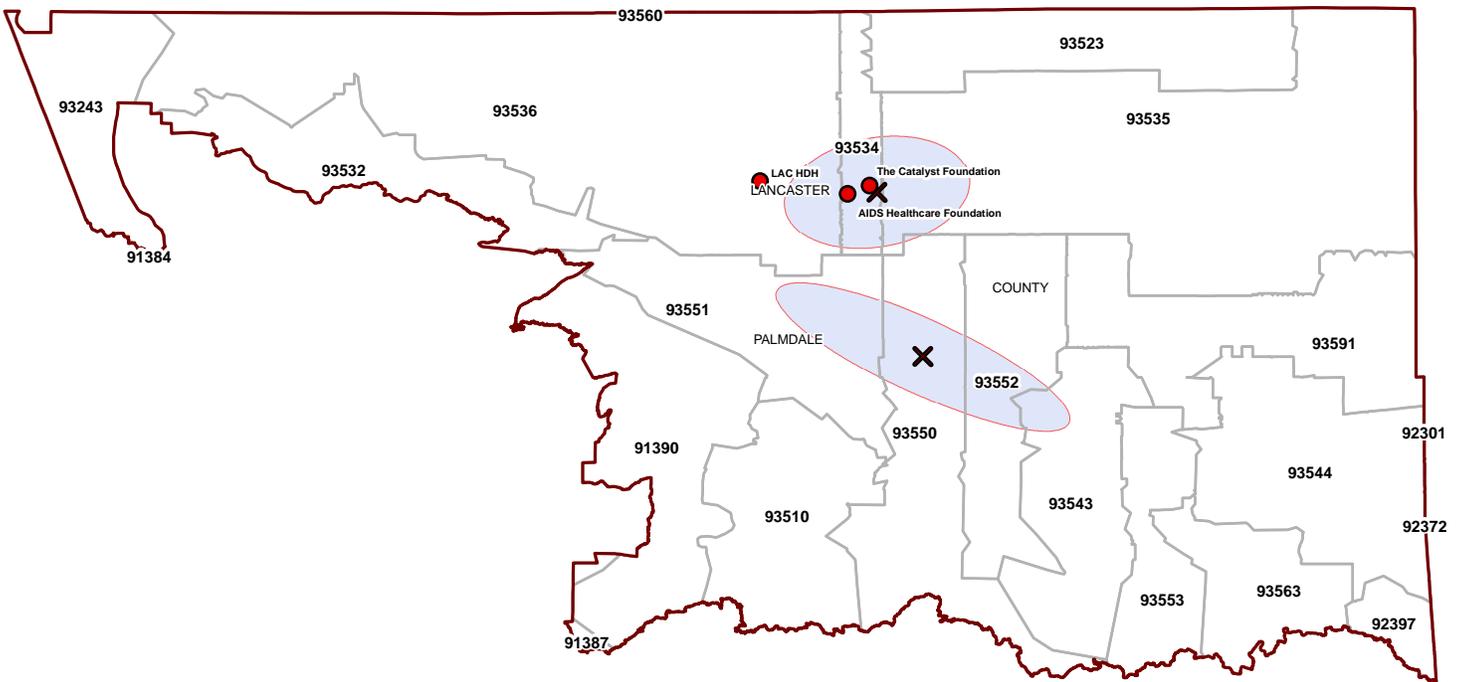
* Within 2 Standard Deviations of Directional Distribution

Distribution of Medical Outpatient Clients*

Service Planning Area 1 (Antelope Valley)

March 2007 - February 2008

Los Angeles County



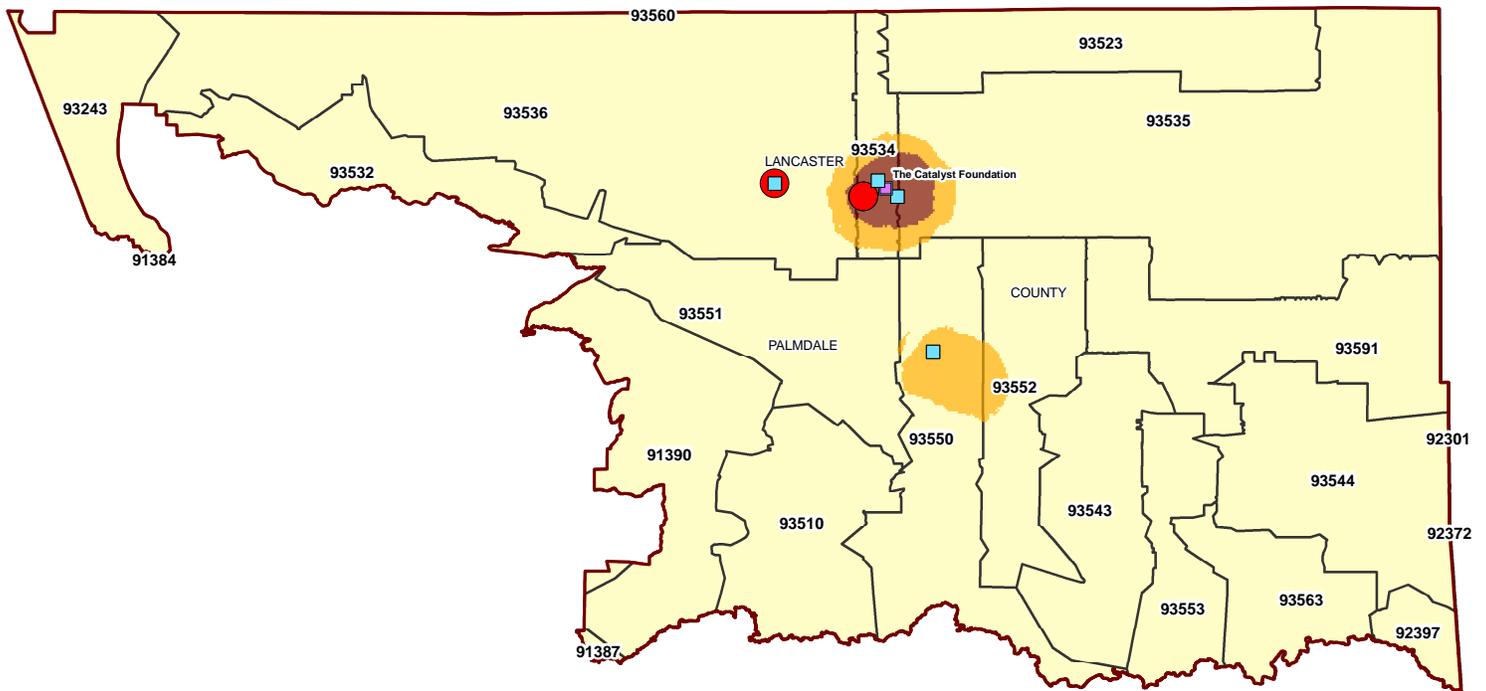
Legend

- SPA Boundary
- RWCA Medical Outpatient Providers
- X Mean Center
- Medical Outpatients, Directional Distribution

*within 2 Standard Deviations of directional distribution



Density of Care Clients Service Planning Area 1 (Antelope Valley) March 2007 - February 2008 Los Angeles County



SPA Boundary

Ryan White Care Providers - SPA 1

- Case Management Services
- Medical Nutritional Therapy
- Mental Health Services
- Outpatient/ambulatory medical servi
- Treatment adherence services

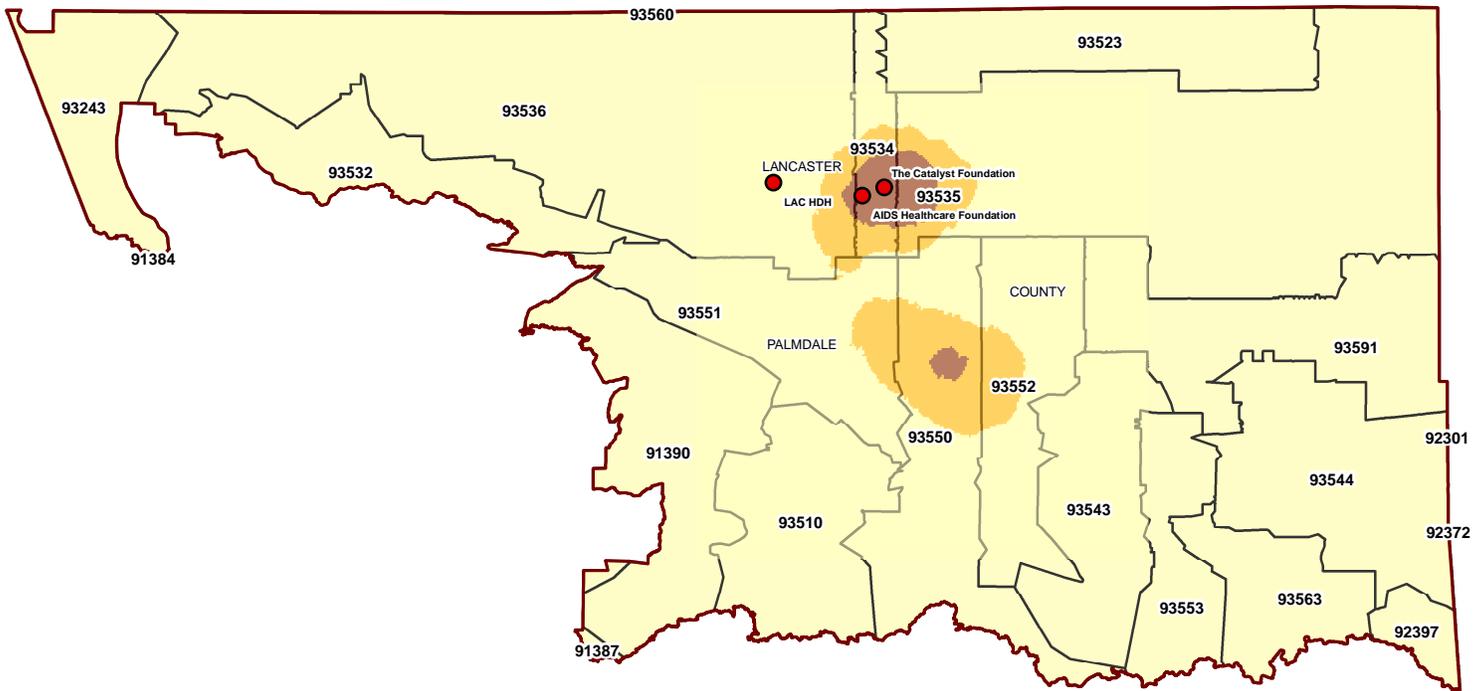
RWCA Clients, n=323

Per 25 Sq. Miles

- 0 - 2
- 3 - 4
- 5 - 7



Density of Medical Outpatient Clients Service Planning Area 1 (Antelope Valley) March 2007 - February 2008 Los Angeles County



SPA Boundary

● RWCA Medical Outpatient Providers

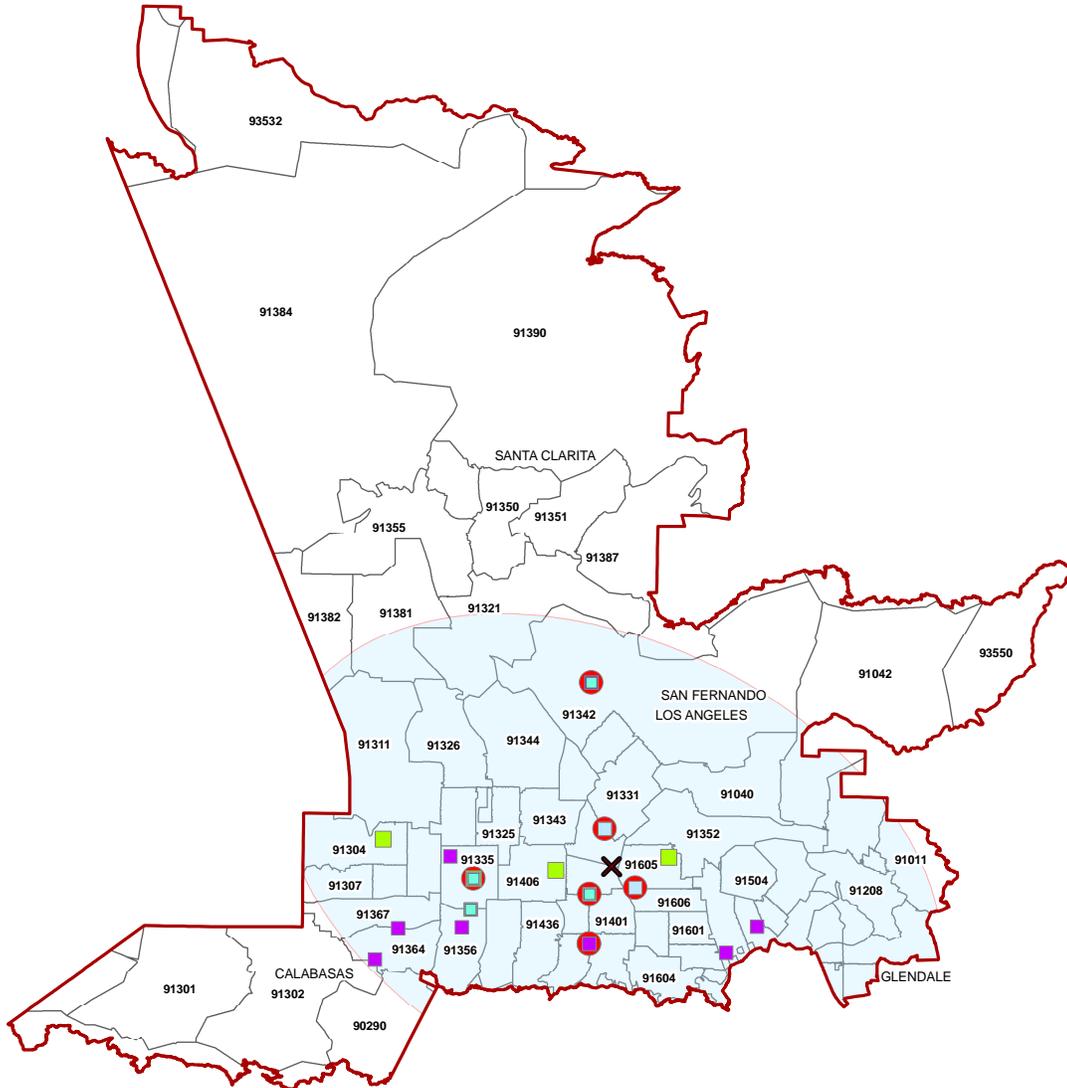
SPA 1 RWCA Medical Outpatient Clients, n=240

Per 25 Sq. Miles

Light Yellow	0 - 1
Orange	2 - 3
Dark Red	4 - 5



Distribution of Care Clients* Service Planning Area 2 (San Fernando) March 2007 - February 2008 Los Angeles County



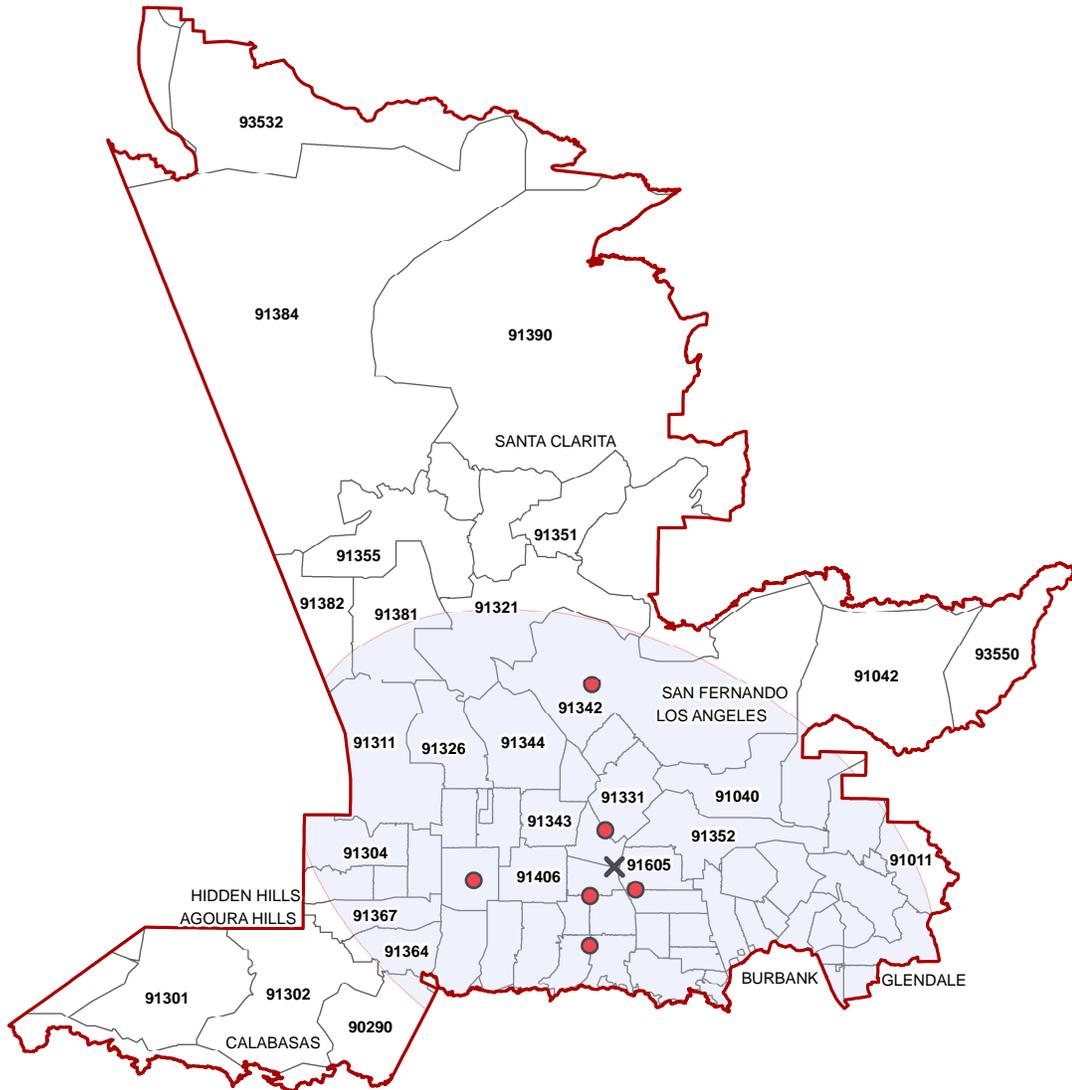
Legend

- SPA Boundary
- ✕ Mean Center
- Case Management Services
- Housing Services
- Medical Case Management
- Mental Health Services
- Outpatient/ambulatory medical services
- Treatment adherence services
- Medical Nutritional Therapy
- RWCA Clients, Directional Distribution



* Within 2 Standard Deviations of directional distribution

Distribution of Medical Outpatient Clients* Service Planning Area 2 (San Fernando) March 2007 - February 2008 Los Angeles County



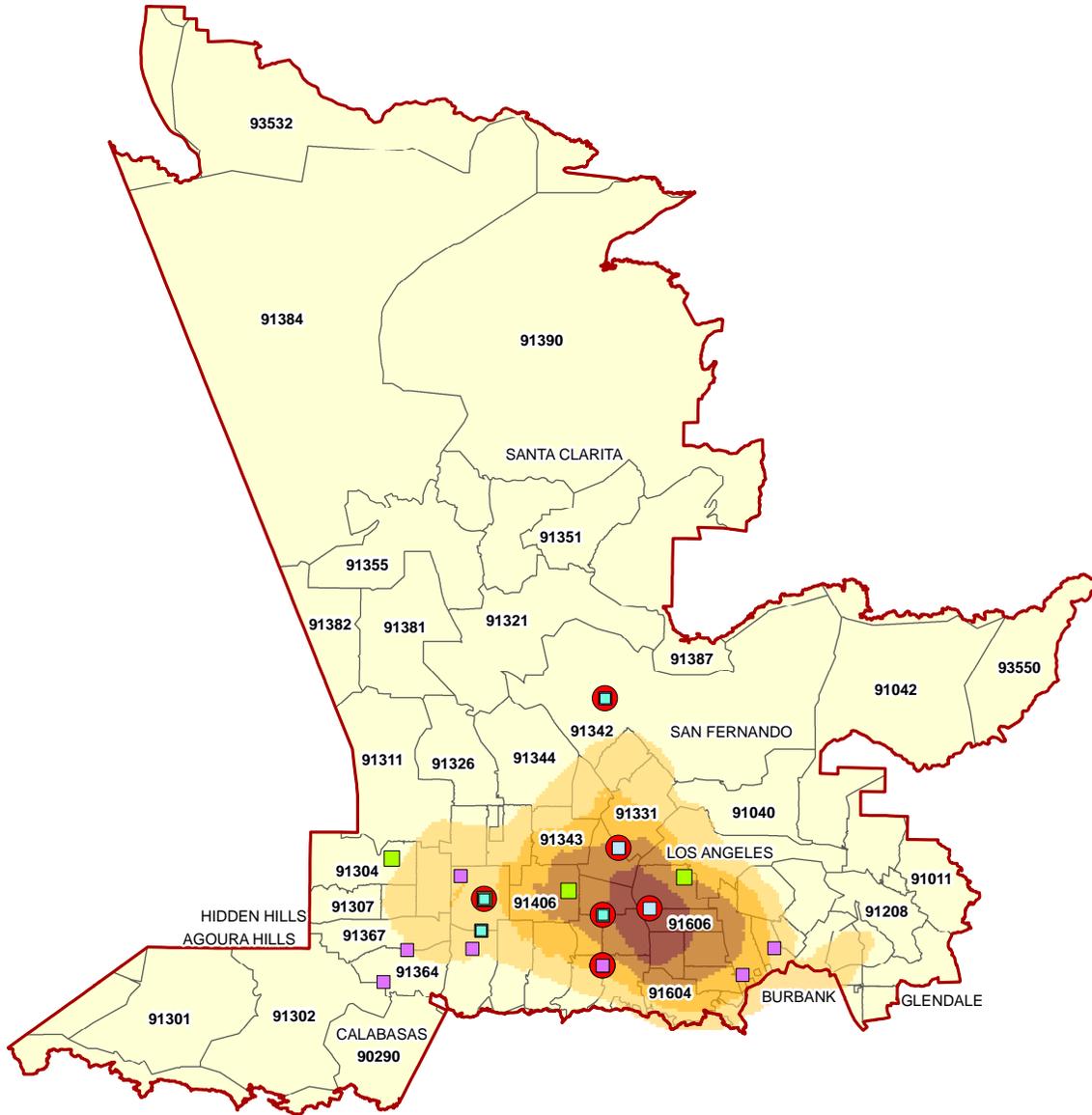
Legend

-  SPA Boundary
-  RWCA Medical Outpatient Providers
-  Mean Center
-  Medical Outpatients, Directional Distribution

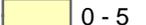


* Within 2 Standard Deviations of directional distribution

Density of Care Clients Service Planning Area 2 (San Fernando) March 2007 - February 2008 Los Angeles County

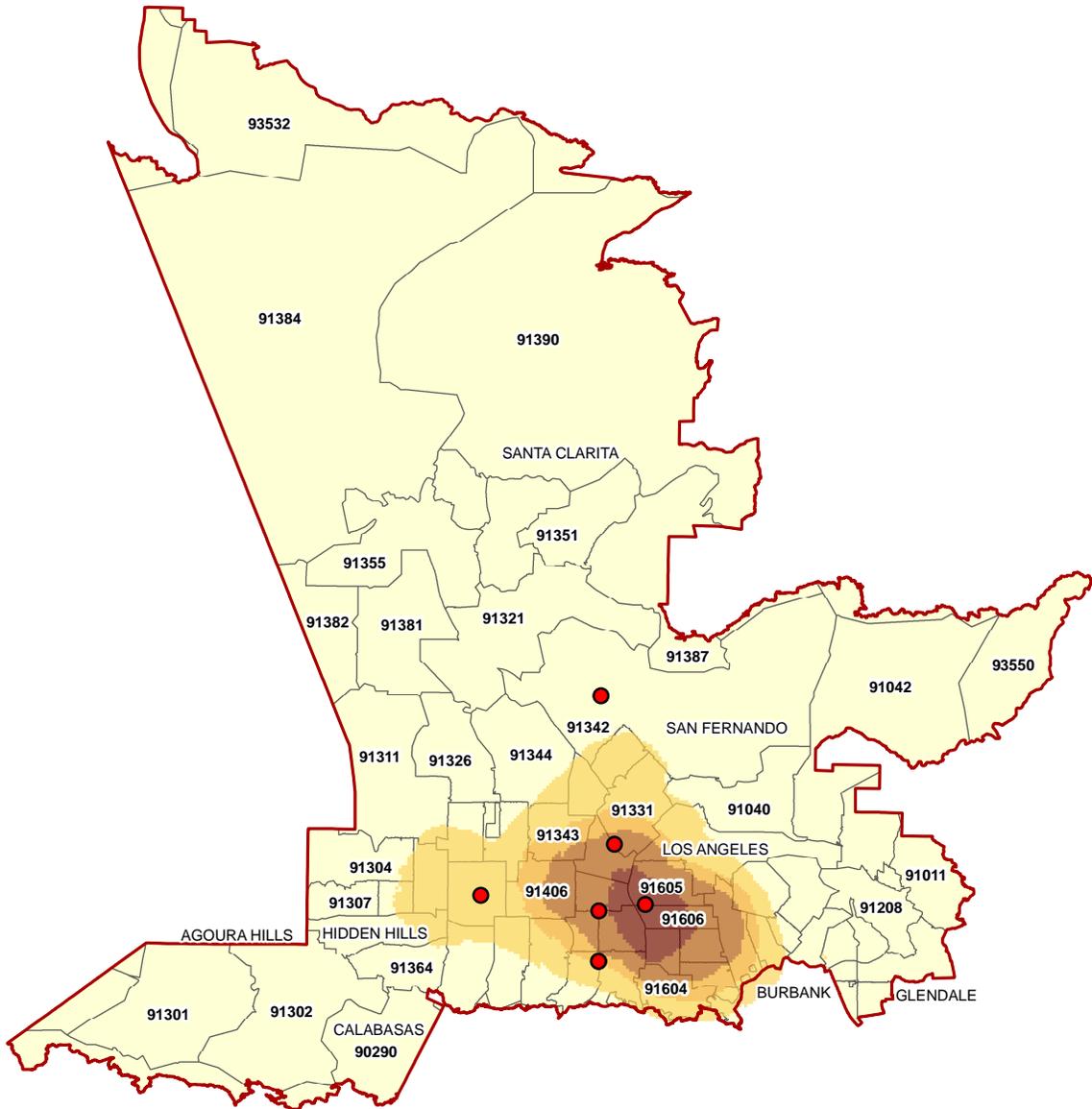


Legend

	SPA Boundary	RWCA Clients, n=2,407
	Case Management Services	Per 25 Sq. Miles
	Housing Services	 0 - 5
	Medical Case Management	 6 - 10
	Medical Nutritional Therapy	 11 - 16
	Mental Health Services	 17 - 21
	Outpatient/ambulatory medical services	 22 - 27
	Treatment adherence services	



Density of Medical Outpatient Clients Service Planning Area 2 (San Fernando) March 2007 - February 2008 Los Angeles County



Legend

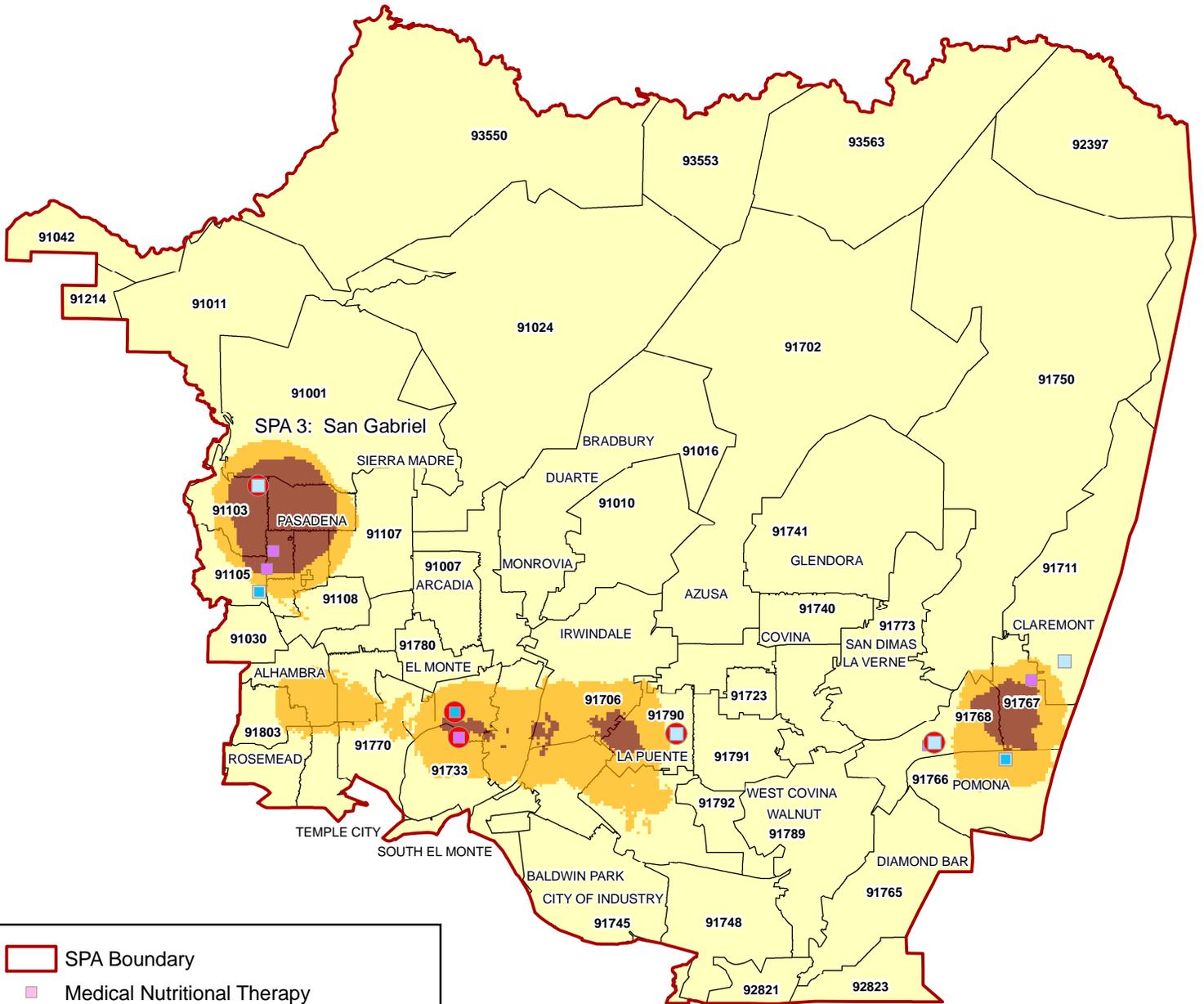
- SPA Boundary
- RWCA Medical Outpatient Providers

SPA 2 RWCA Medical Outpatient Clients, n=1,889
Per 25 Sq. Miles

Lightest Yellow	<=5
Light Yellow	6 - 9
Yellow-Orange	10 - 13
Orange	14 - 18
Dark Orange	19 - 23



Density of Care Clients Service Planning Area 3 (San Gabriel) March 2007 - February 2008 Los Angeles County



SPA Boundary

- Medical Nutritional Therapy
- Treatment adherence services
- Mental Health Services
- Medical Case Management
- Case Management Services
- Housing Services
- Outpatient/ambulatory medical services

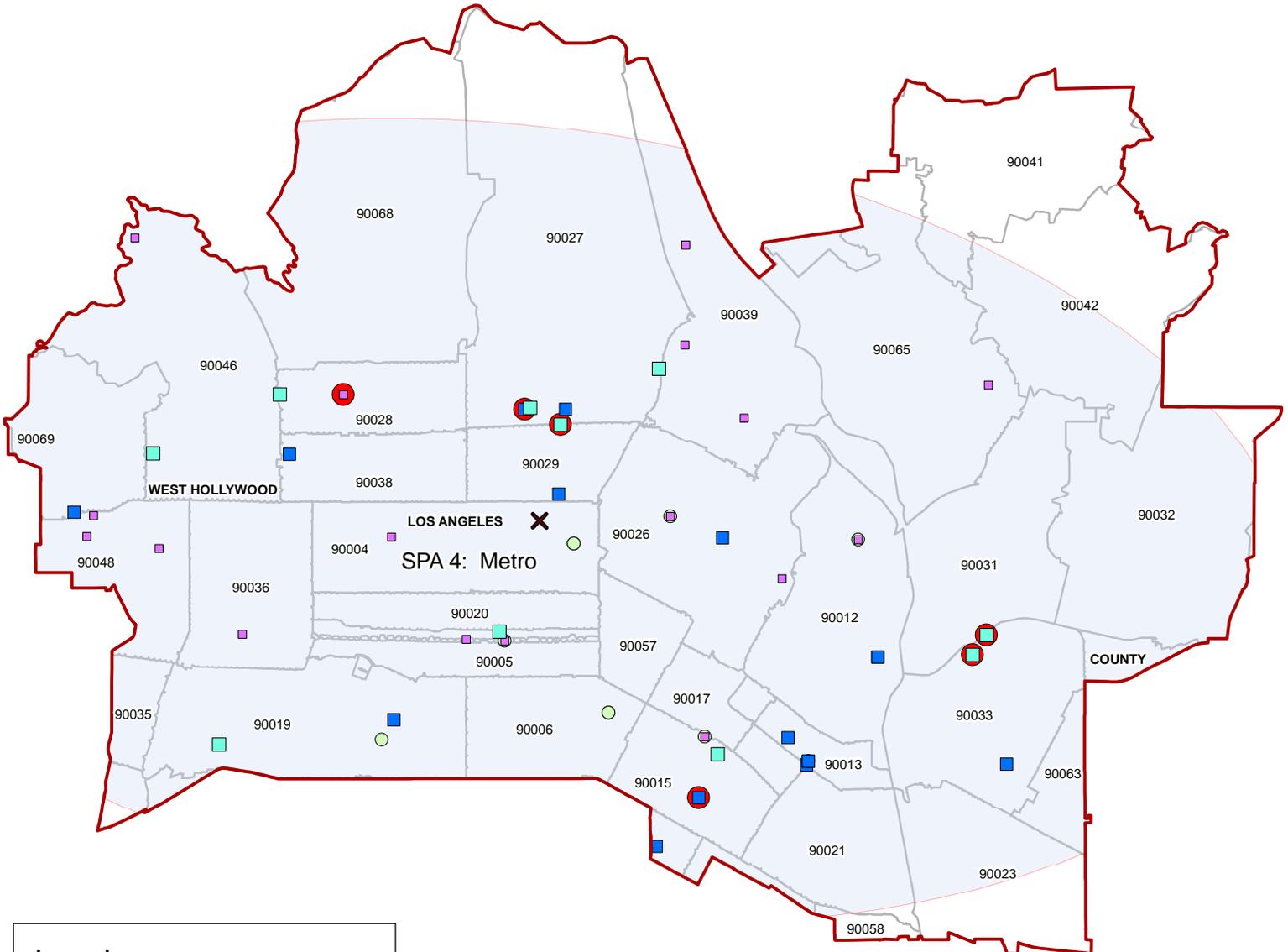
RWCA CARE Clients, n=995
Per 25 Sq. Miles

- <=5
- 6 - 7
- 8 - 11



Source: CaseWatch Data, Contract Year 17

Distribution of Care Clients* Service Planning Area 4 (Metro) March 2007 - February 2008 Los Angeles County



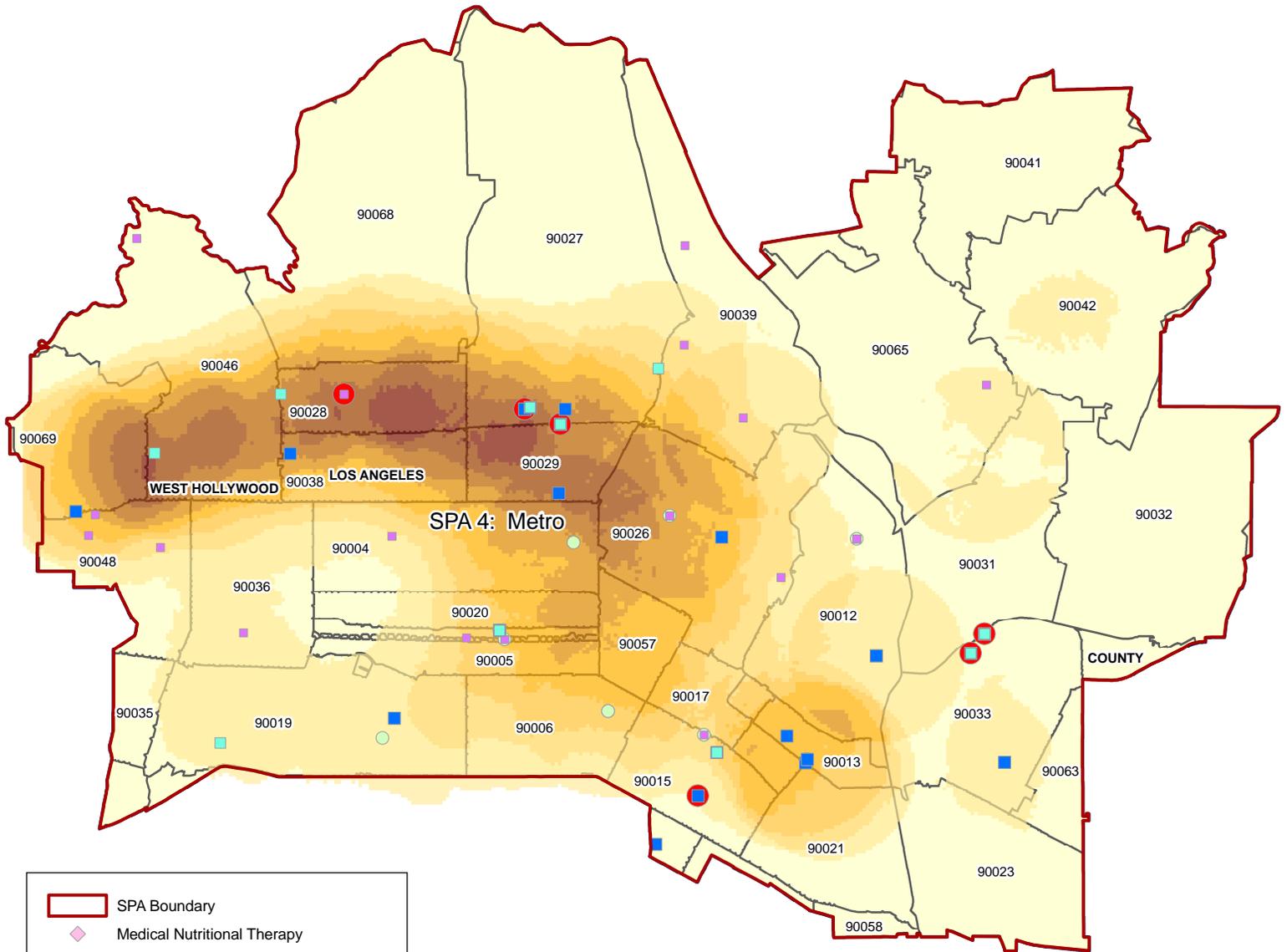
Legend

- SPA Boundary
- X Mean Center
- ◇ Medical Nutritional Therapy
- Case Management Services
- Housing Services
- Medical Case Management
- Mental Health Services
- Outpatient/ambulatory medical services
- Treatment adherence services
- RWCA Clients, Directional Distribution



* Within 2 Standard Deviations of directional distribution

Density of Care Clients Service Planning Area 4 (Metro) March 2007 - February 2008 Los Angeles County



- SPA Boundary
- Medical Nutritional Therapy
- Case Management Services
- Housing Services
- Medical Case Management
- Mental Health Services
- Outpatient/ambulatory medical services
- Treatment adherence services

RWCA Care Clients, n=5,515
Per 25 Sq. Miles

	0 - 28
	29 - 57
	58 - 86
	87 - 115
	116 - 144
	145 - 173
	174 - 202
	203 - 231
	232 - 260



Distribution of Care Clients* Service Planning Area 5 (West) March 2007 - February 2008 Los Angeles County



Legend

-  SPA Boundary
-  Mean Center
-  Case Management Services
-  Mental Health Services
-  Outpatient/ambulatory medical services
-  Treatment adherence services
-  RWCA Clients, Directional Distribution

* Within 2 Standard Deviations of directional distribution



Distribution of Medical Outpatient Clients* Service Planning Area 5 (West) March 2007 - February 2008 Los Angeles County



Legend

- SPA Boundary
- Mean Center
- RWCA Medical Outpatient Providers
- Medical Outpatients, Directional Distribution



* Within 2 Standard Deviations of directional distribution

Density of Care Clients Service Planning Area 5 (West) March 2007 - February 2008 Los Angeles County



SPA Boundary

- Case Management Services
- Mental Health Services
- Outpatient/ambulatory medical services
- Treatment adherence services

RWCA CARE Clients, n=494
Per 25 Sq. Miles

Density Range (Per 25 Sq. Miles)	Color
0 - 5	Light Yellow
6 - 10	Yellow
11 - 17	Orange
18 - 22	Dark Orange
23 - 29	Dark Red



Density of Ryan White Care Medical Outpatient Clients Service Planning Area 5 (West) March 2007 - February 2008 Los Angeles County



Legend

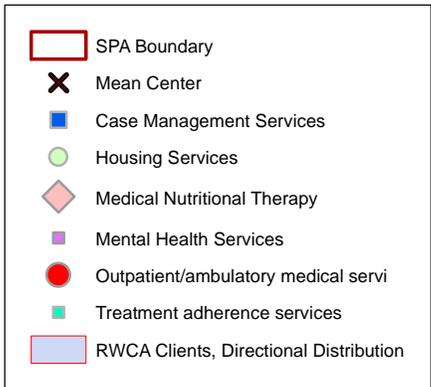
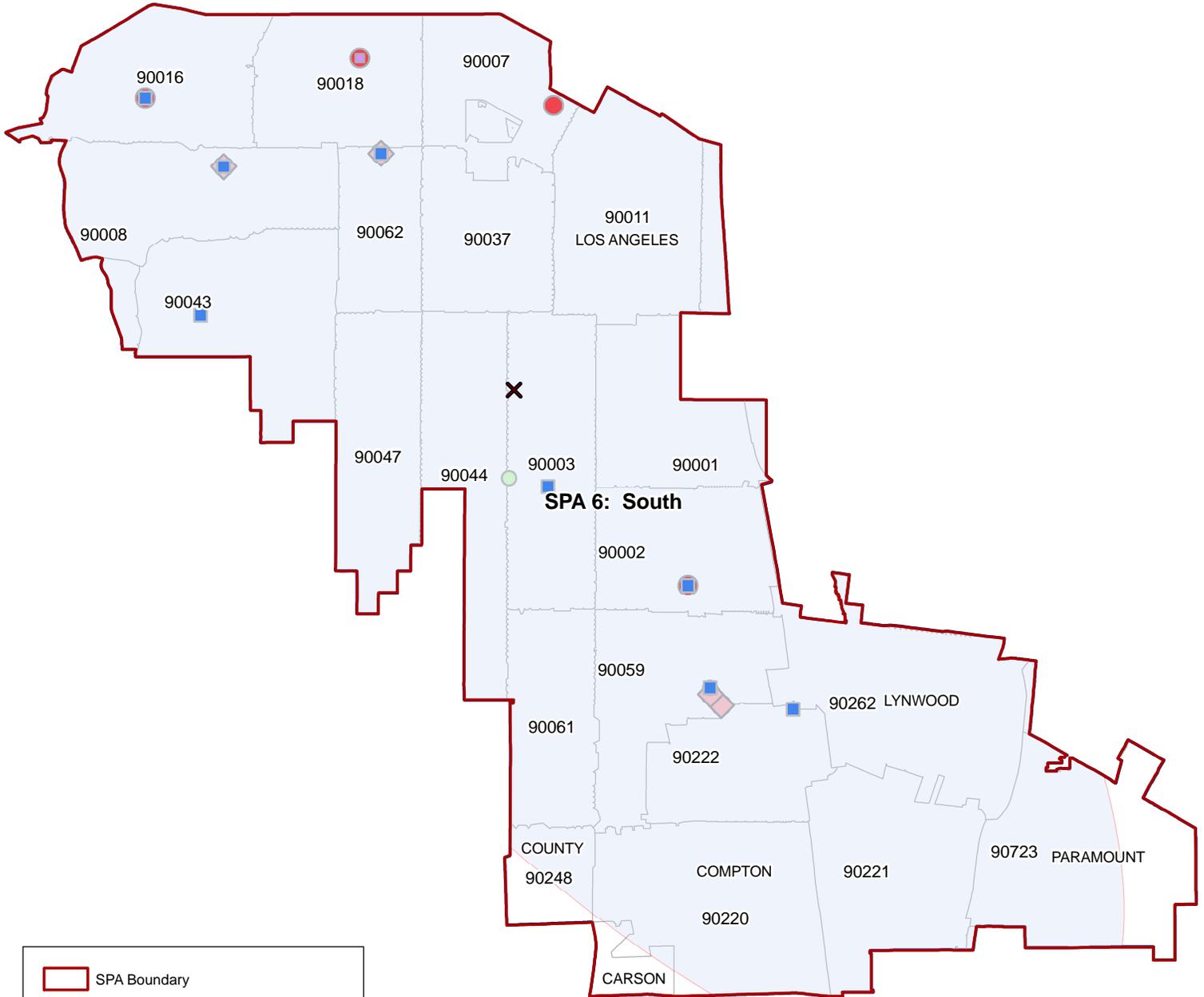
- SPA Boundary
- RWCA Medical Outpatient Providers

**SPA 5 RWCA Medical Outpatient Clients, n=358
Per 25 Sq. Miles**

<=5
6 - 9
10 - 14
15 - 19



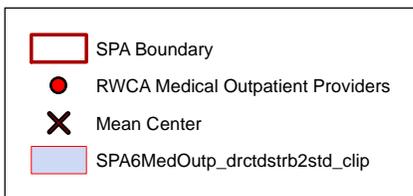
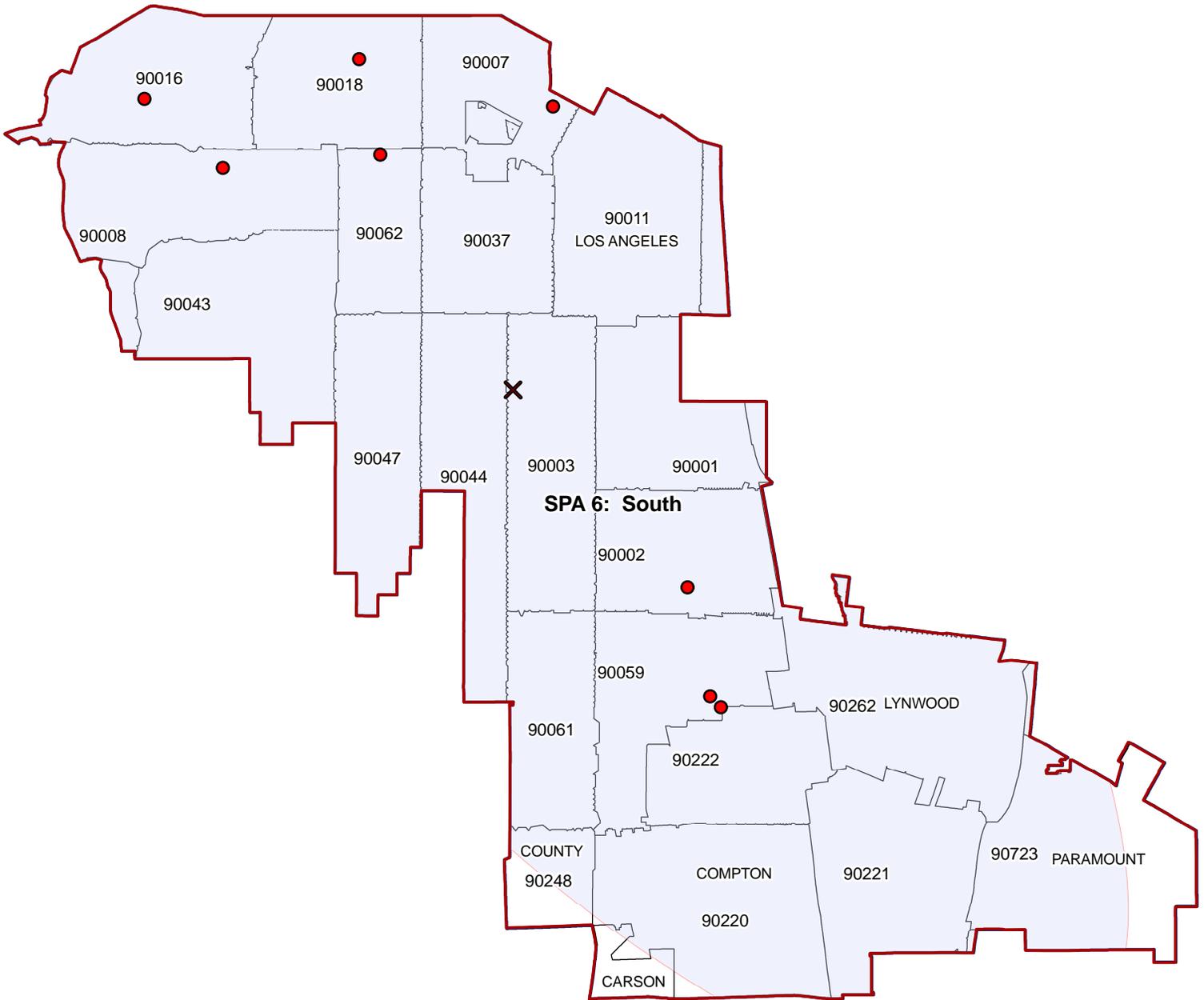
Distribution of Care Clients* Service Planning Area 6 (South) March 2007 - February 2008 Los Angeles County



* Within 2 Standard Deviations of directional distribution

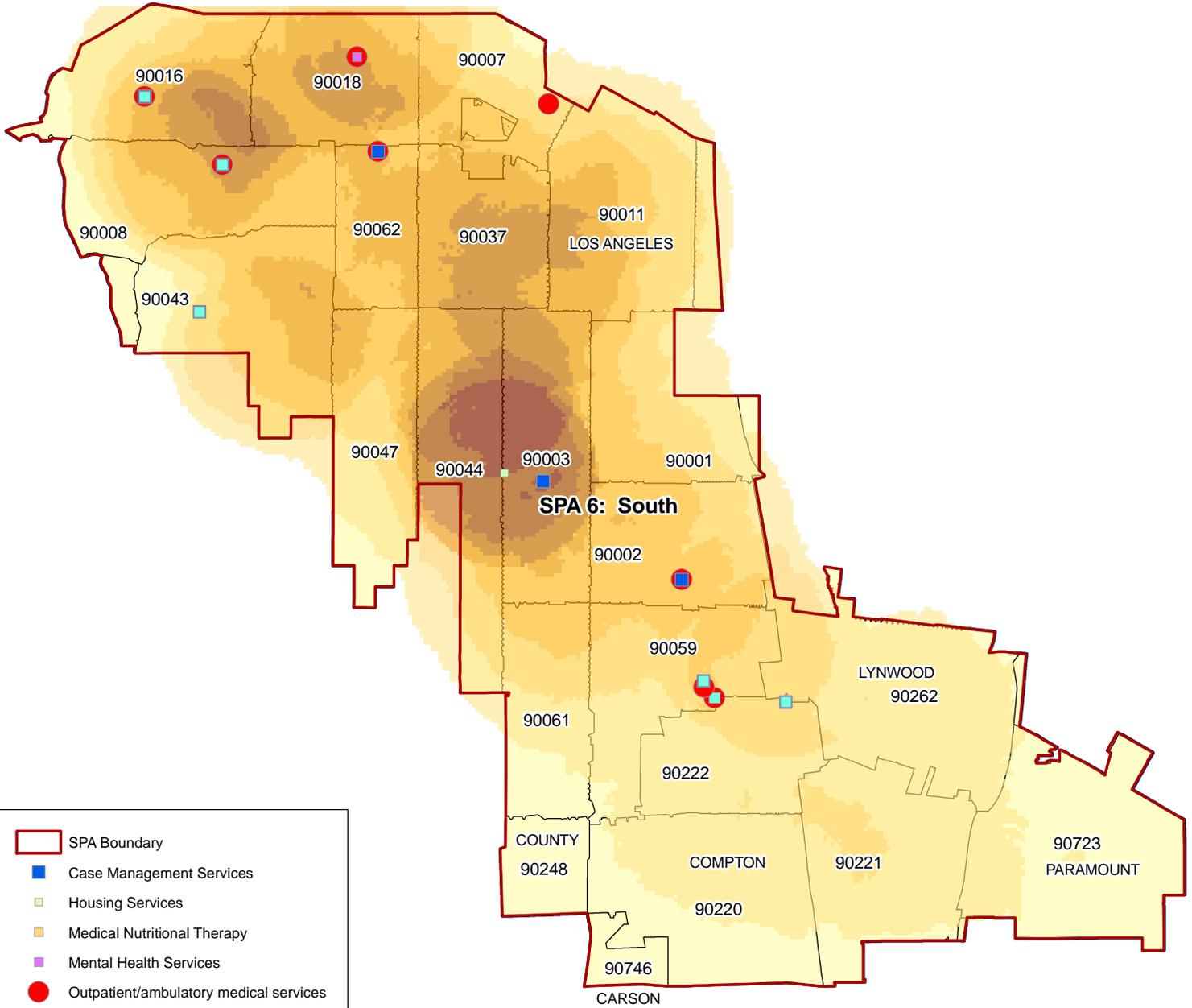


Distribution of Medical Outpatient Clients* Service Planning Area 6 (South) March 2007 - February 2008 Los Angeles County



* Within 2 Standard Deviations of directional distribution

Density of Care Clients Service Planning Area 6 (South) March 2007 - February 2008 Los Angeles County



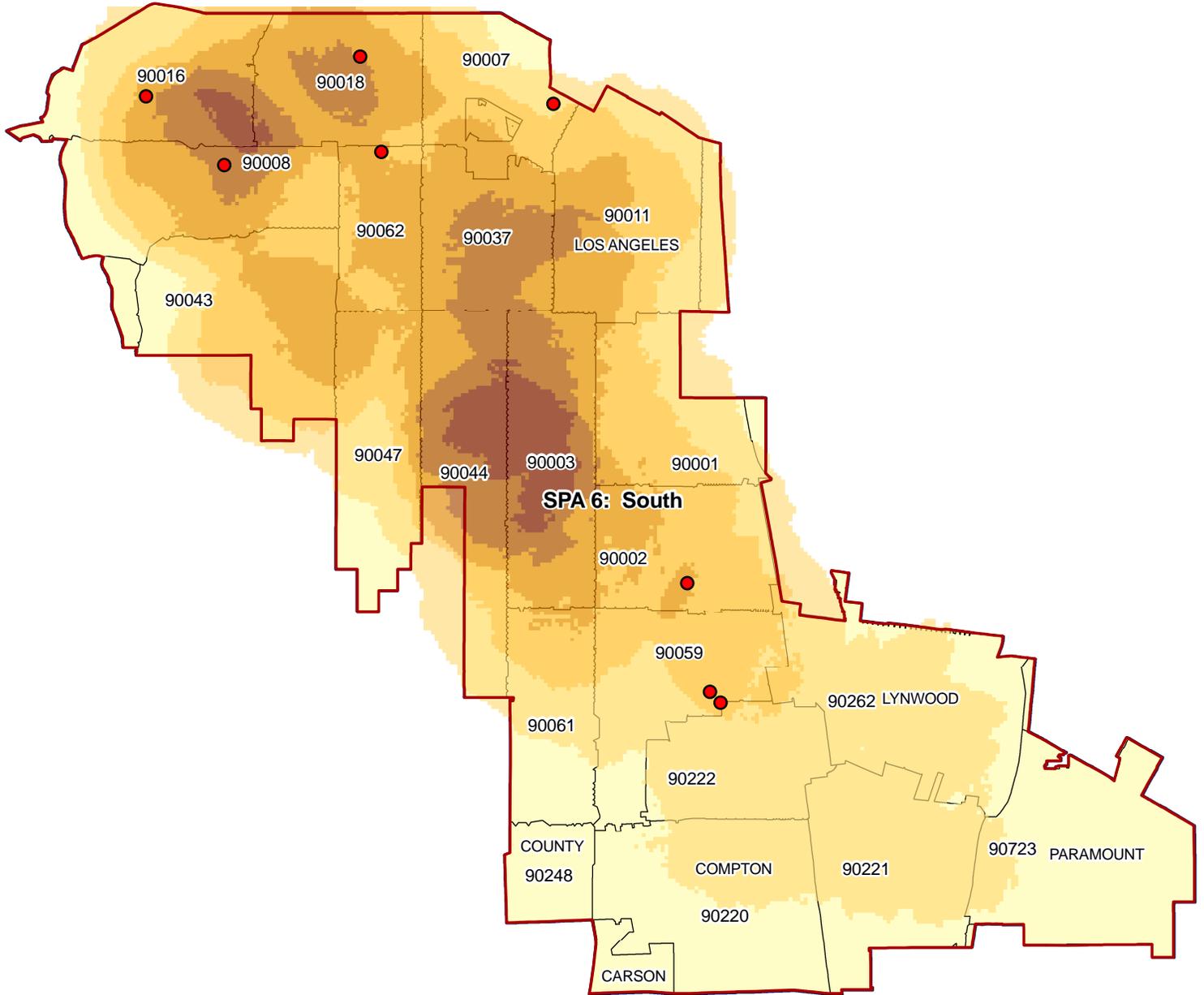
- SPA Boundary
- Case Management Services
- Housing Services
- Medical Nutritional Therapy
- Mental Health Services
- Outpatient/ambulatory medical services
- Treatment adherence services

RWCA CARE Clients, n=2,252
Per 25 Sq. Miles

	0 - 9
	10 - 19
	20 - 29
	30 - 39
	40 - 49
	50 - 59
	60 - 69
	70 - 81



Density of Medical Outpatient Clients Service Planning Area 6 (South) March 2007 - February 2008 Los Angeles County

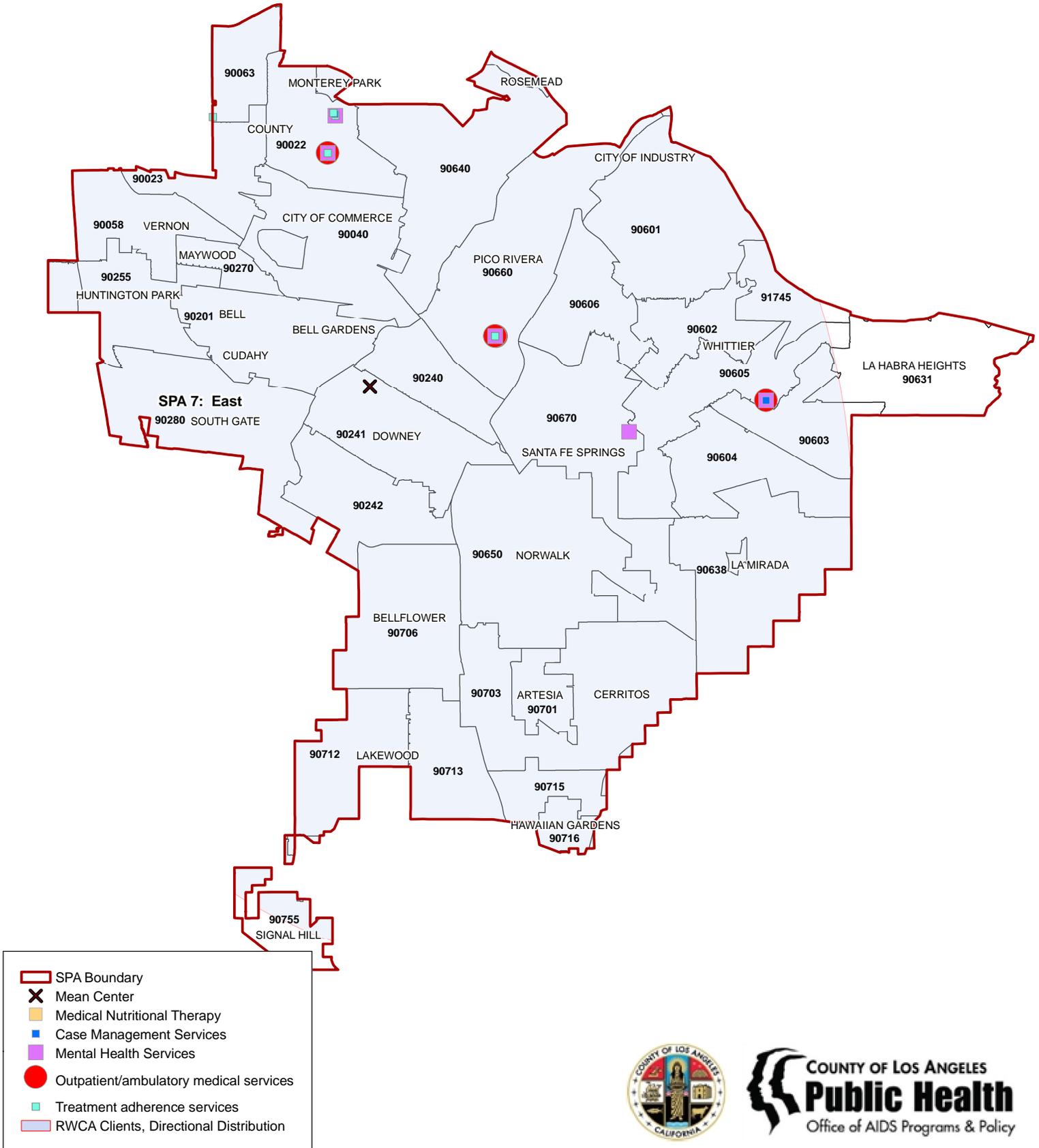


SPA Boundary
● RWCA Medical Outpatient Providers
SPA 6 RWCA Medical Outpatient Clients, n=1,773
Per 25 Sq. Miles

	<=10
	11 - 20
	21 - 30
	31 - 40
	41 - 50
	51 - 60



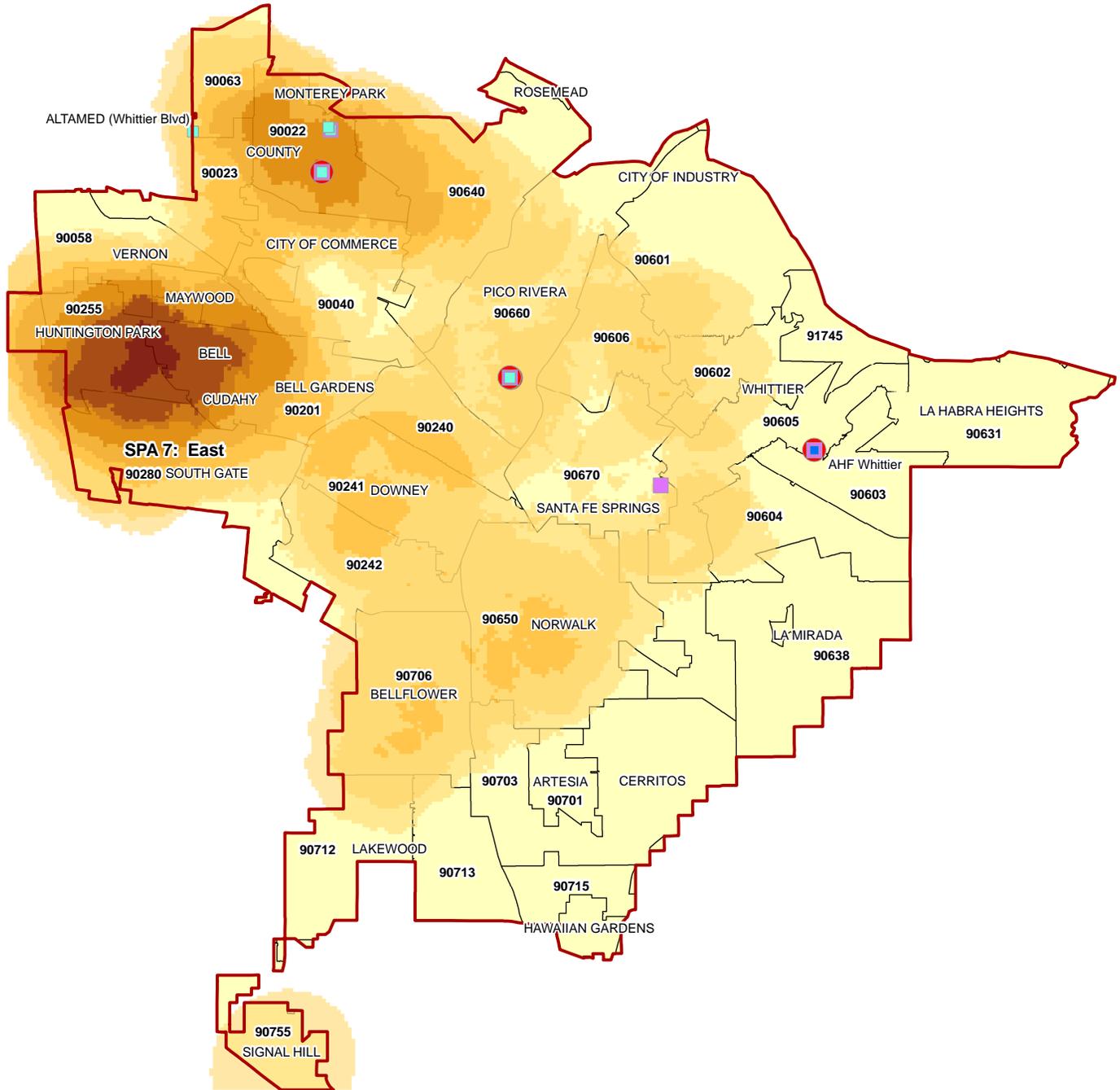
Distribution of Care Clients* Service Planning Area 7 (East) March 2007 - February 2008 Los Angeles County



* Within 2 Standard Deviations of directional distribution



Density of Care Clients Service Planning Area 7 (East) March 2007 - February 2008 Los Angeles County



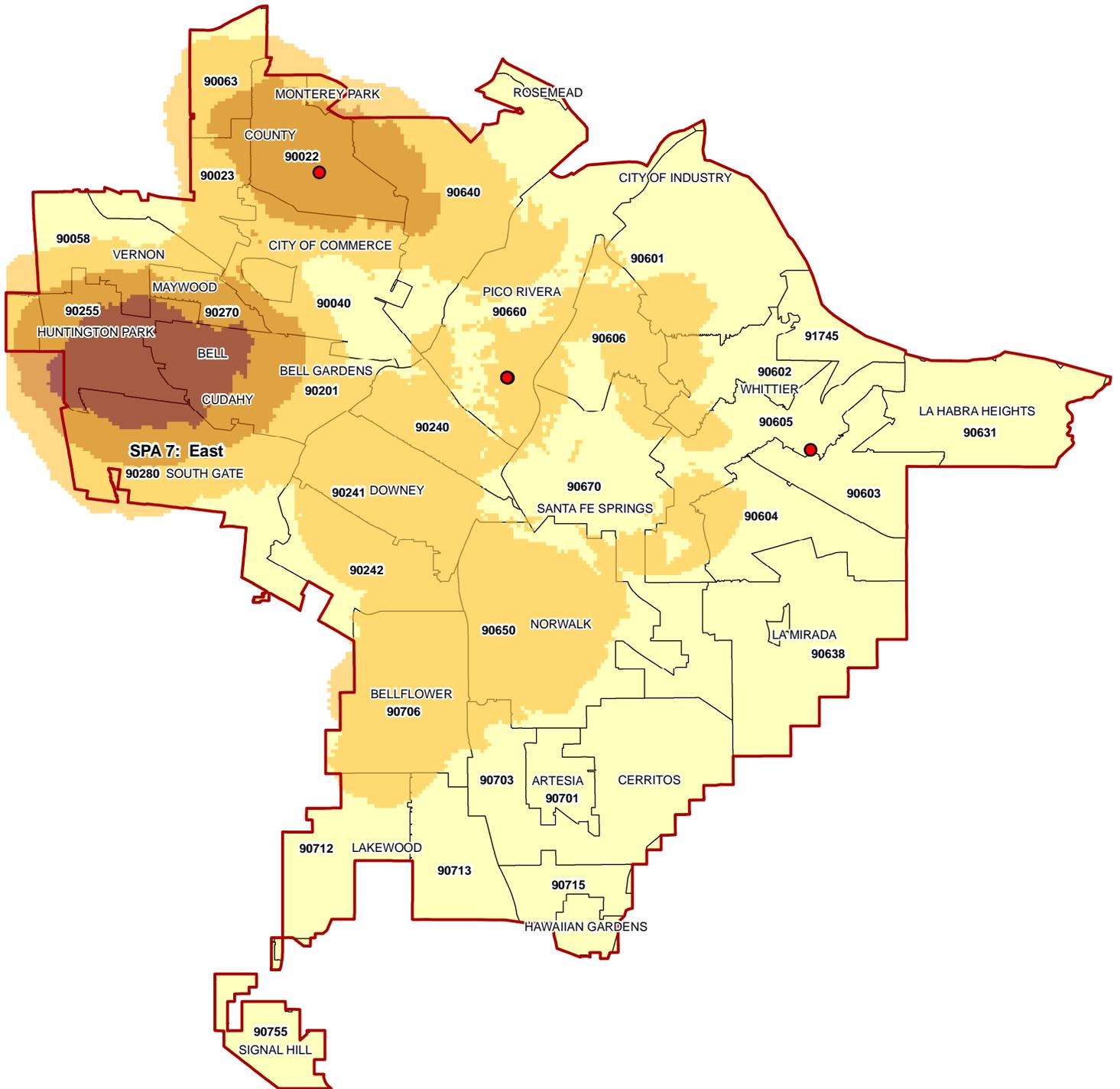
SPA Boundary
 Medical Nutritional Therapy
 Case Management Services
 Mental Health Services
 Outpatient/ambulatory medical services
 Treatment adherence services

**RWCA CARE Clients, n=1,167
Per 25 Sq. Miles**

	<=5
	5 - 9
	10 - 13
	14 - 18
	19 - 23
	24 - 28



Density of Medical Outpatient Clients Service Planning Area 7 (East) March 2007 - February 2008 Los Angeles County

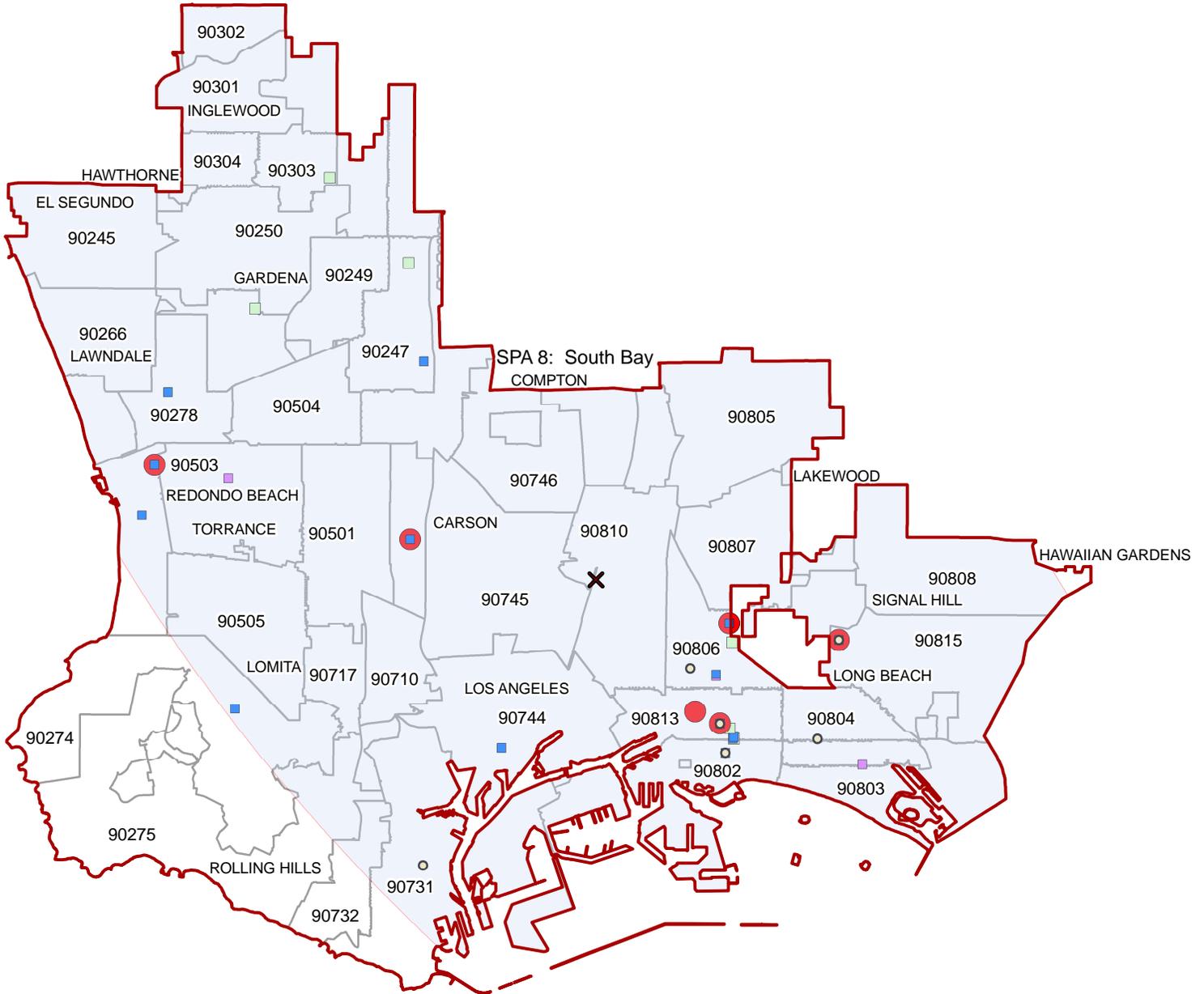


SPA Boundary
● RWCA Medical Outpatient Providers
SPA 7 RWCA Medical Outpatient Clients, n=982
Per 25 Sq. Miles
 <=5
 5 - 9
 10 - 14
 15 - 24



Source: Casewatch Data, Contract Year 17

Distribution of Care Clients* Service Planning Area 8 (South Bay) March 2007 - February 2008 Los Angeles County

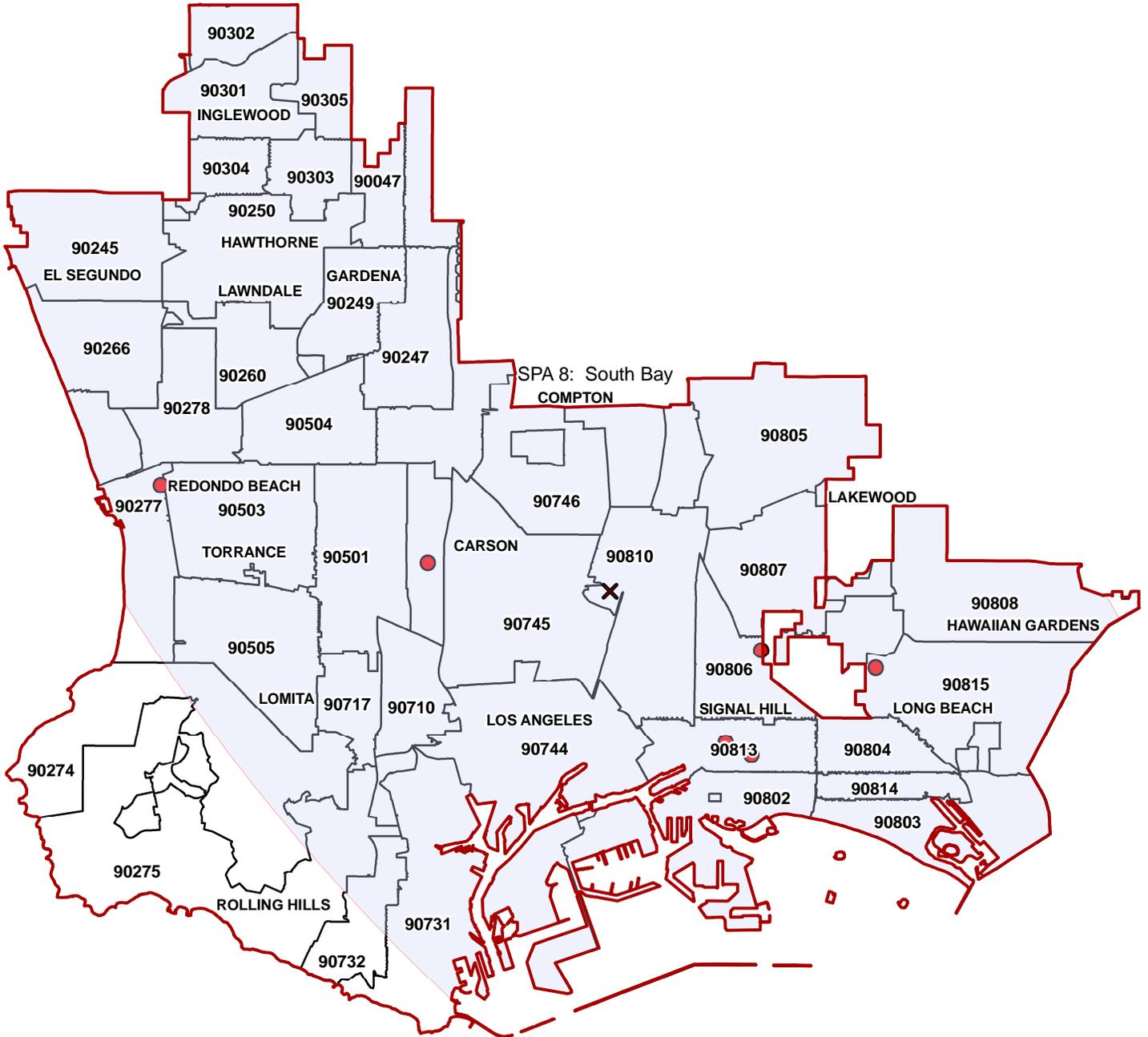


- SPA Boundary
- Mean Center
- Case Management Services
- Housing Services
- Medical Case Management (including
- Medical Nutritional Therapy
- Mental Health Services
- Outpatient/ambulatory medical servi
- Treatment adherence services
- RWCA Clients, Directional Distribution

* Within 2 Standard Deviations of directional distribution



Distribution of Medical Outpatient Clients* Service Planning Area 8 (South Bay) March 2007 - February 2008 Los Angeles County



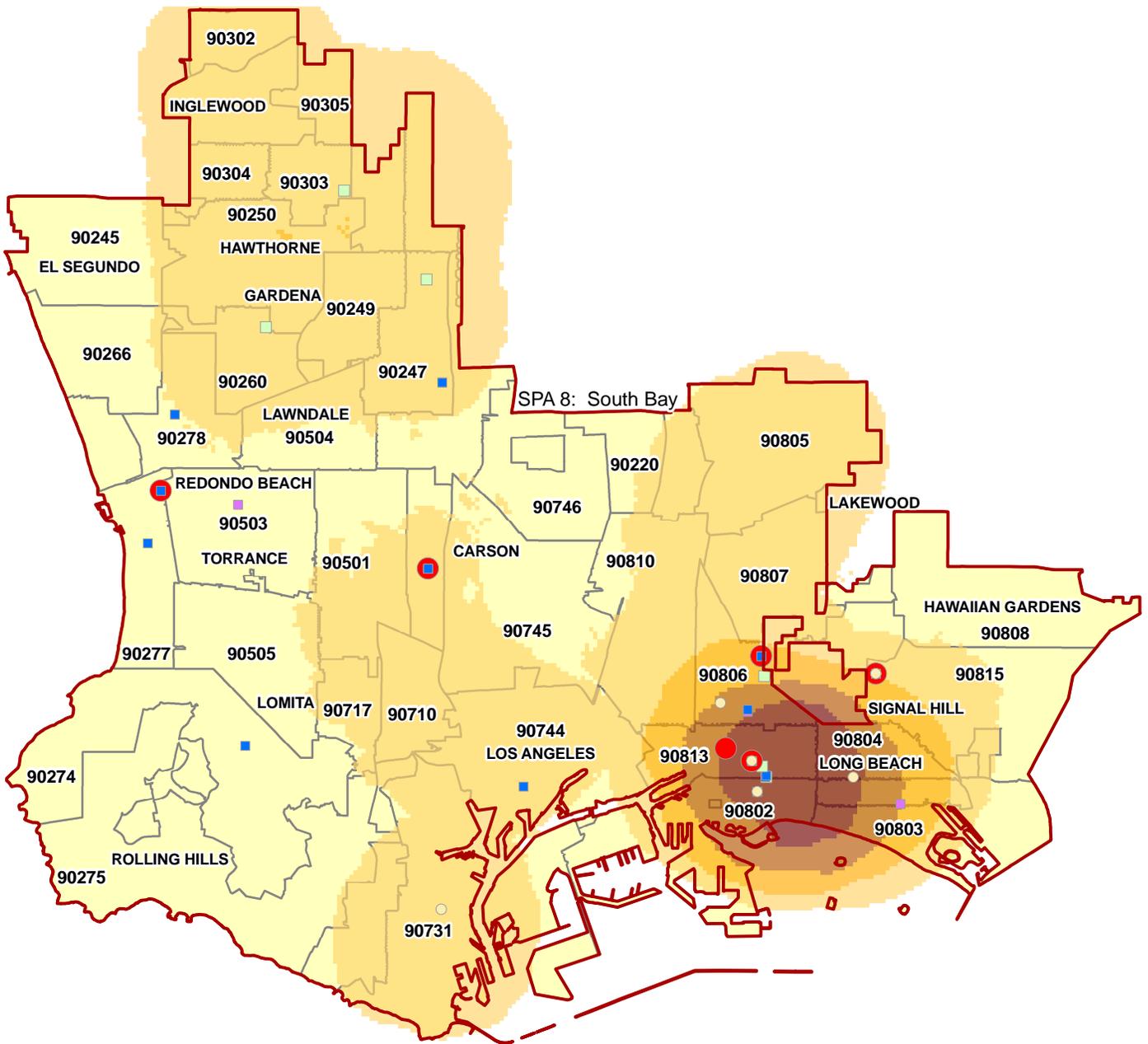
Legend:

- SPA Boundary
- Mean Center
- RWCA Medical Outpatient Providers
- Medical Outpatients, Directional Distribution



* Within 2 Standard Deviations of directional distribution

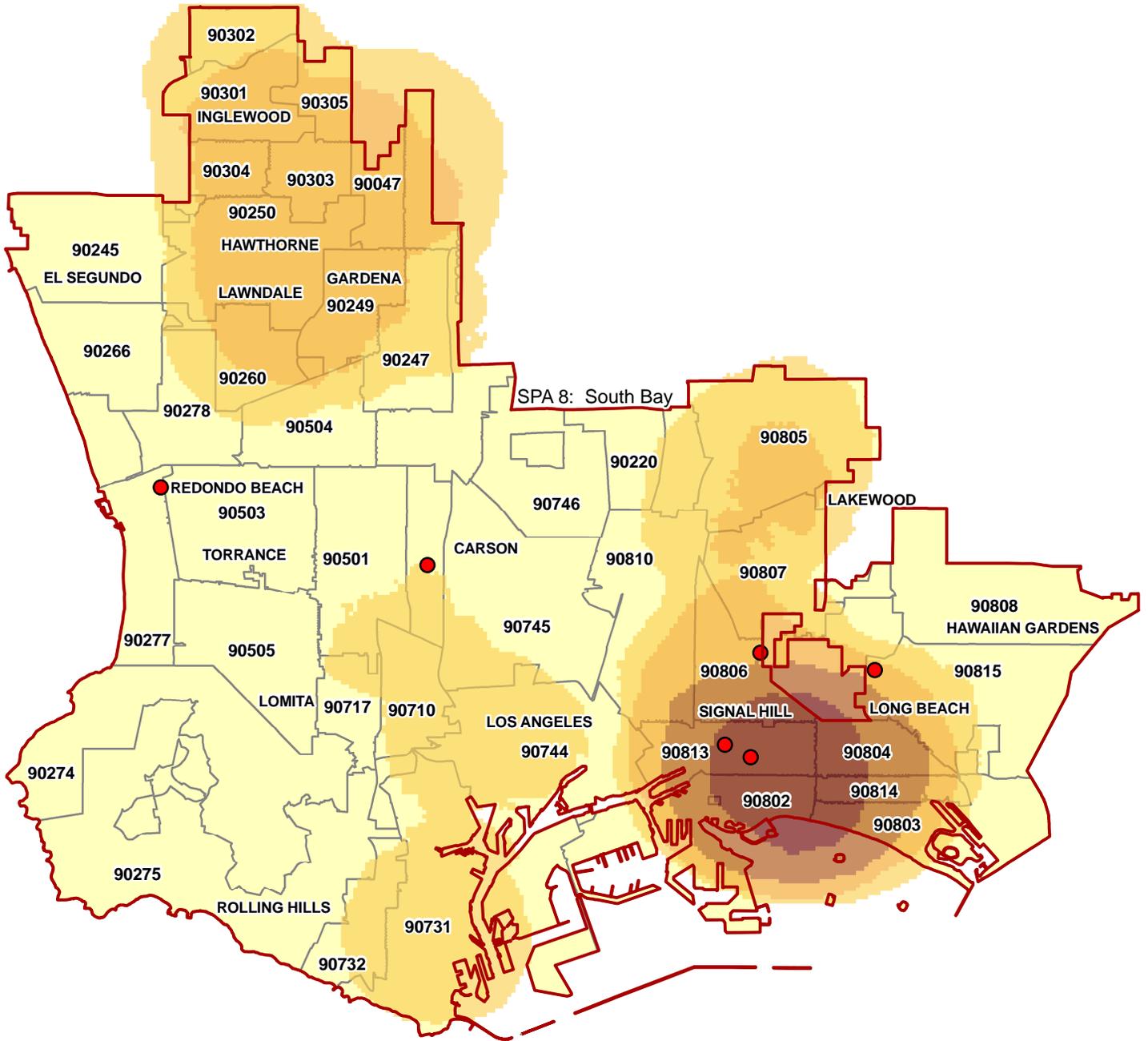
Density of Care Clients Service Planning Area 8 (South Bay) March 2007 - February 2008 Los Angeles County



SPA Boundary
■ Case Management Services
■ Housing Services
■ Medical Case Management (including
■ Medical Nutritional Therapy
■ Mental Health Services
● Outpatient/ambulatory medical services
● Treatment adherence services
RWCA CARE Clients, n=2,974
Per 25 Sq. Miles
 <=5
 5 - 24
 25 - 54
 55 - 89
 90 - 129



Density of Medical Outpatient Clients Service Planning Area 8 (South Bay) March 2007 - February 2008 Los Angeles County



SPA Boundary

RWCA Medical Outpatient Providers

**SPA 8 RWCA Medical Outpatient Clients, n=2,146
Per 25 Sq. Miles**

Lightest Yellow	<=5
Light Yellow	6 - 9
Yellow-Orange	10 - 24
Orange	25 - 54
Dark Orange	55 - 87

