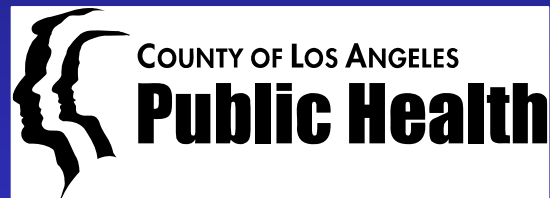


# *Surveillance and Epidemiology of HIV and AIDS in Los Angeles County*



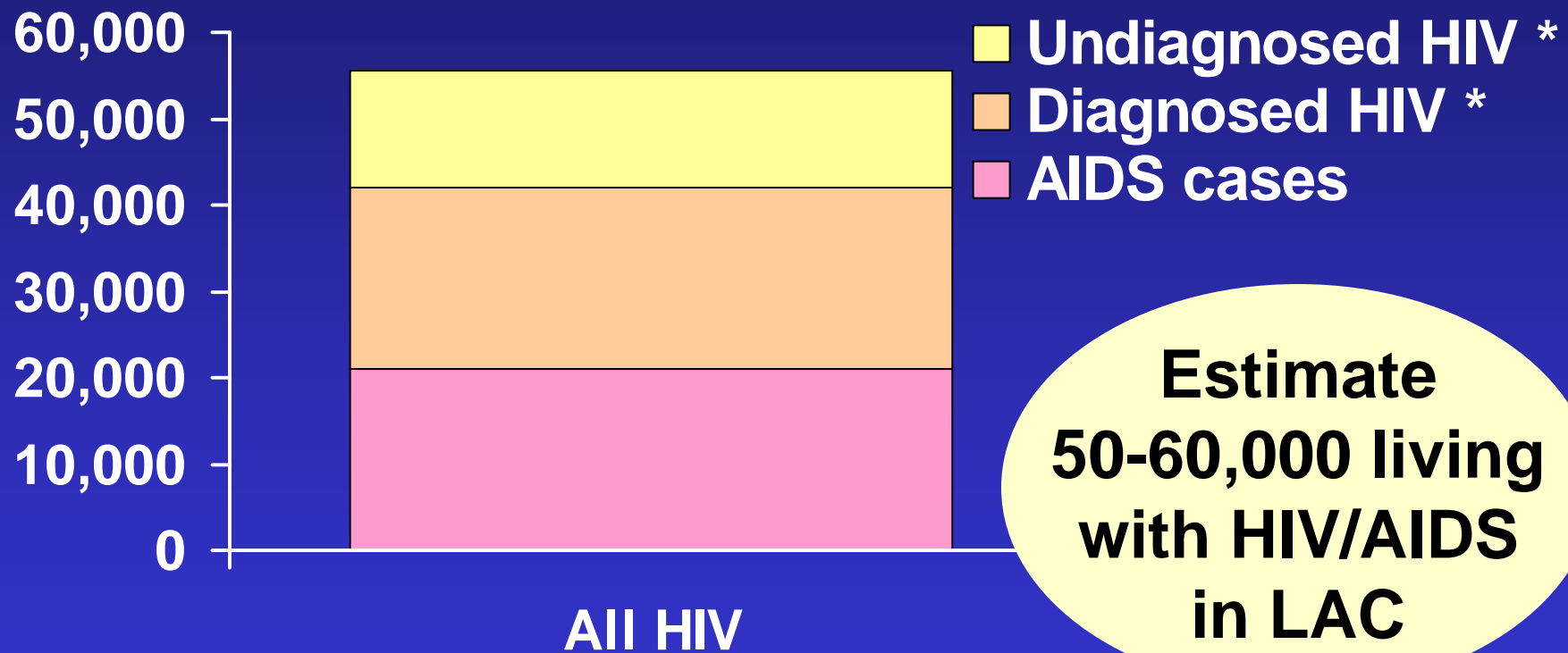
**Douglas M. Frye, MD, MPH**

Director, HIV Epidemiology Program

Los Angeles County Department of Public Health



# Average Estimated Number of Persons Living with HIV/AIDS in LAC



\* Estimates from LAC HIV Epidemiology Program and CDC, as of July 1, 2006.

# AIDS in L.A. County



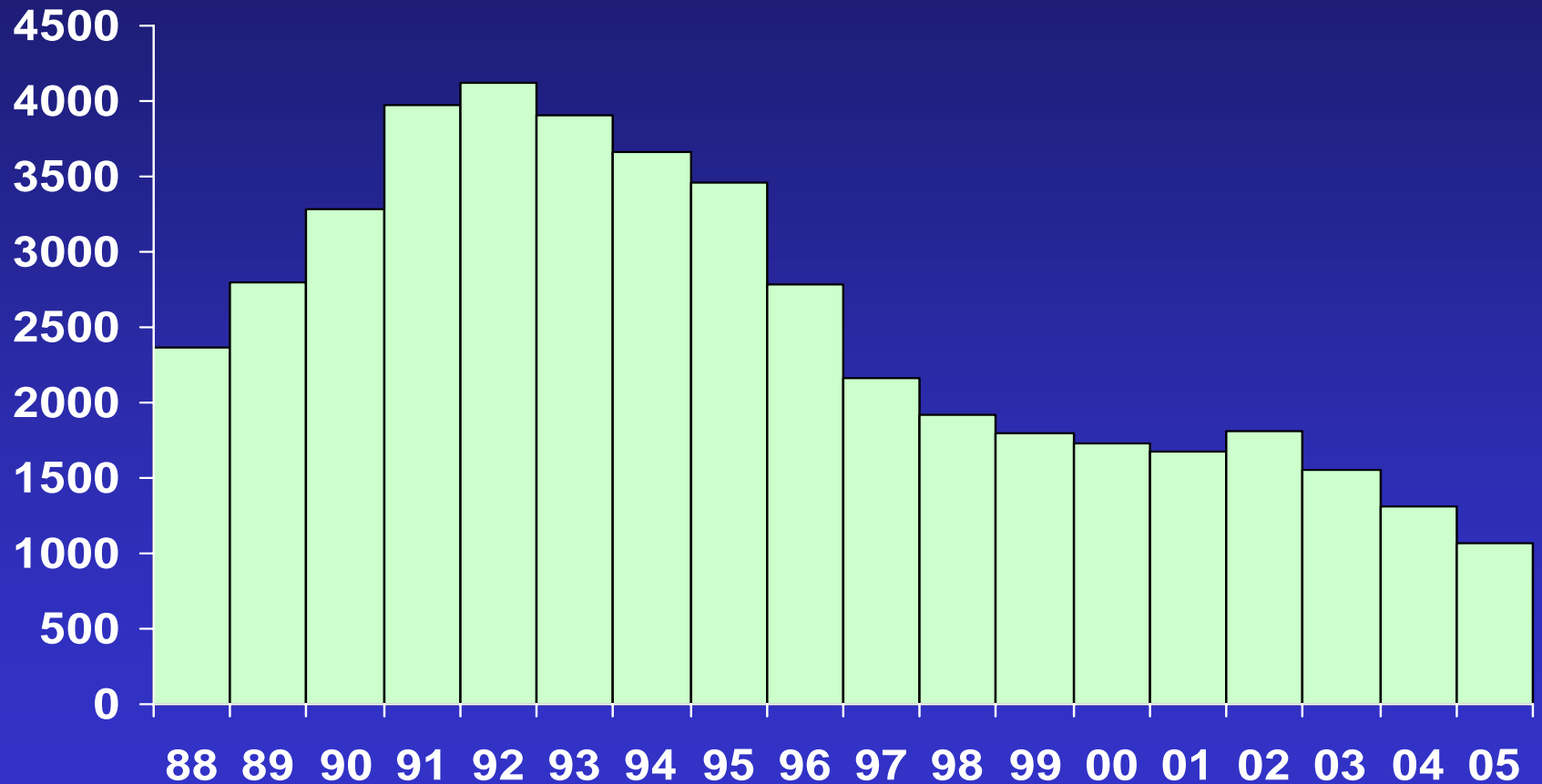
# AIDS cases from *HIV/AIDS Semiannual Surveillance Summary*\*

	<b>Cases</b>	<b>Deaths</b>	<b>PLWA</b>
• USA	988,000	550,000	438,000
• Calif.	144,000	83,000	61,000
• LAC	51,800	30,200	21,600

\*as of December 31, 2006



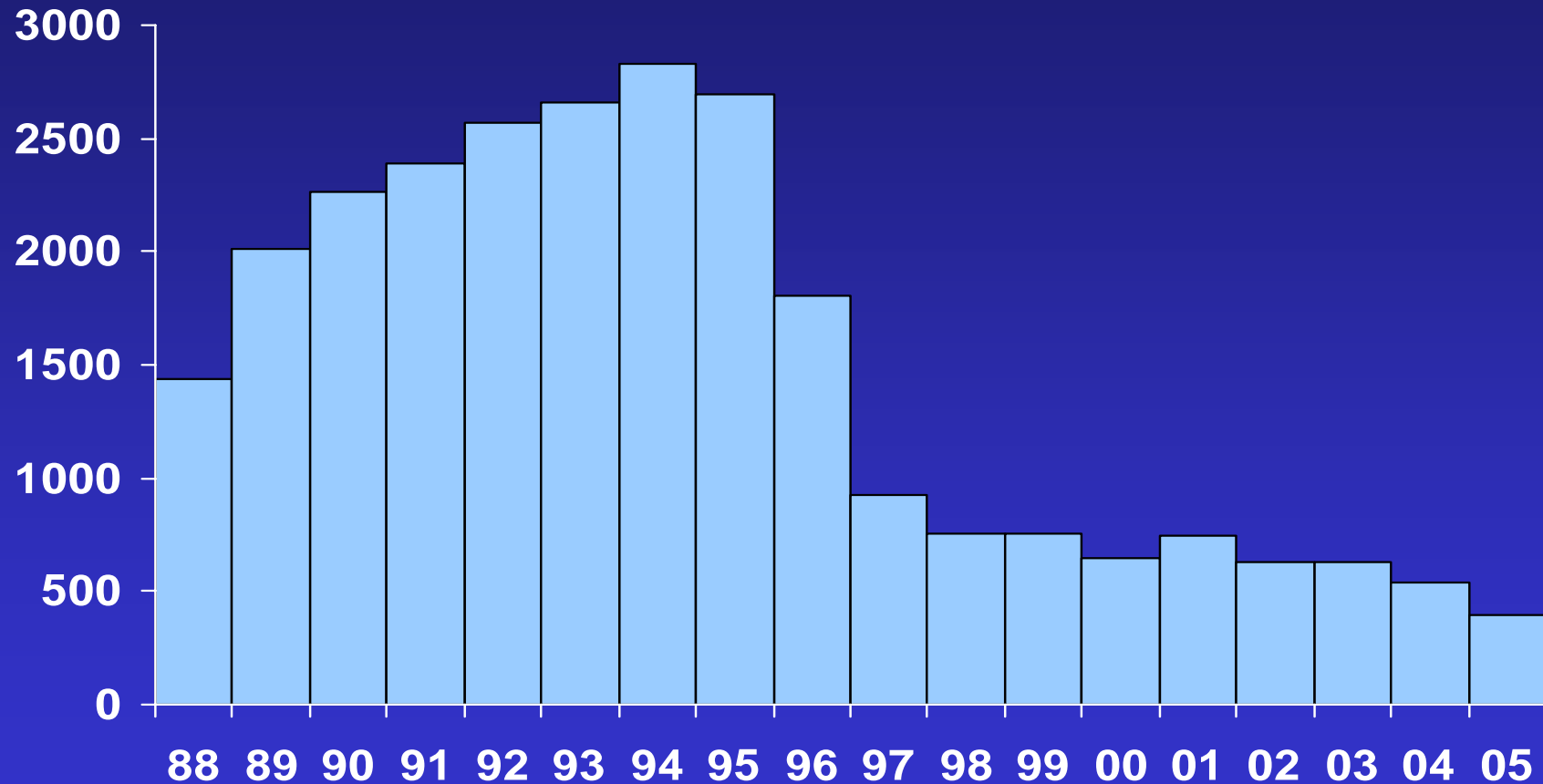
# Number of AIDS Cases by Year of Diagnosis - LAC, 1988 - 2005



Source: HIV/AIDS Surveillance Summary, data as of July 1, 2006.

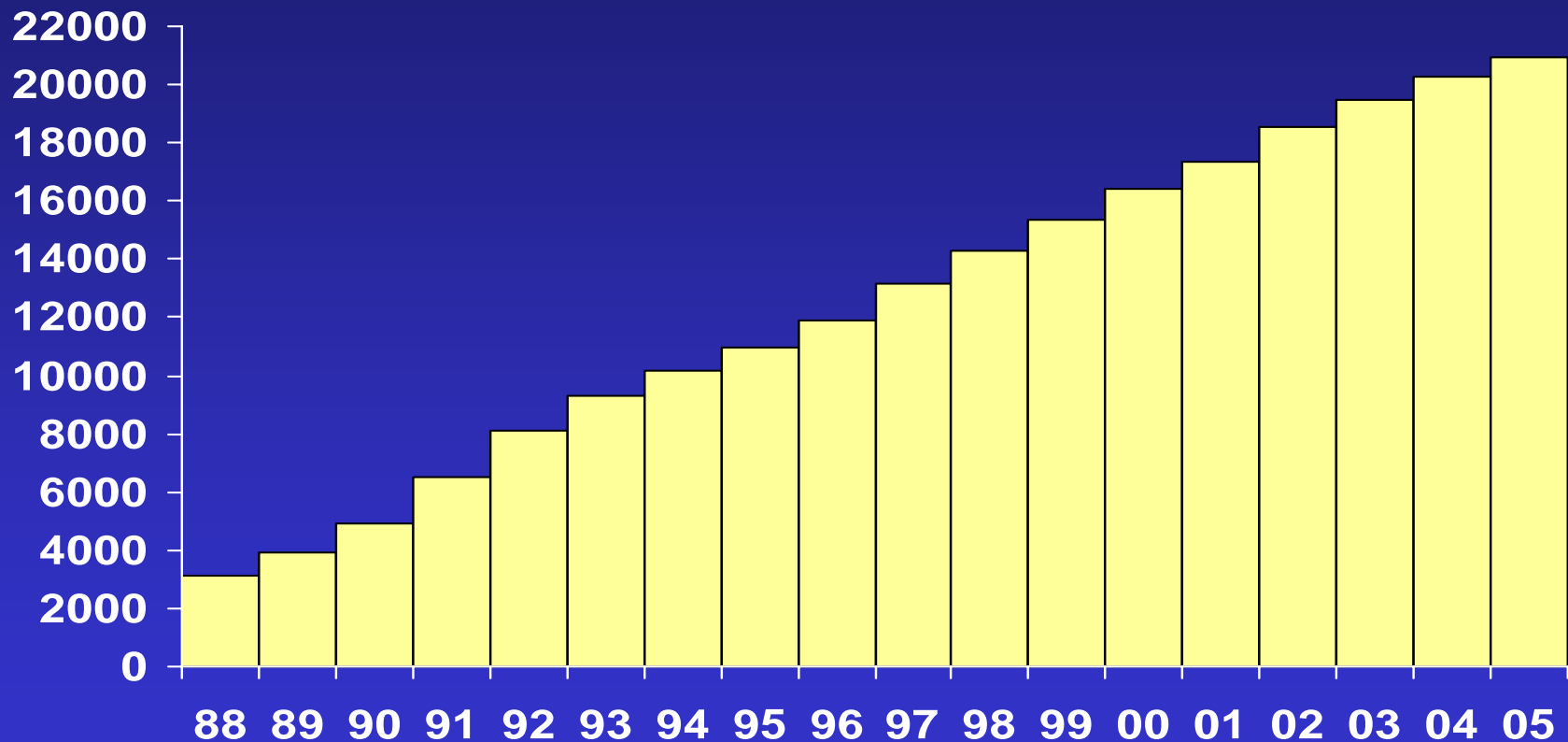


# Number of AIDS Deaths by Year of Death - LAC, 1988 - 2005



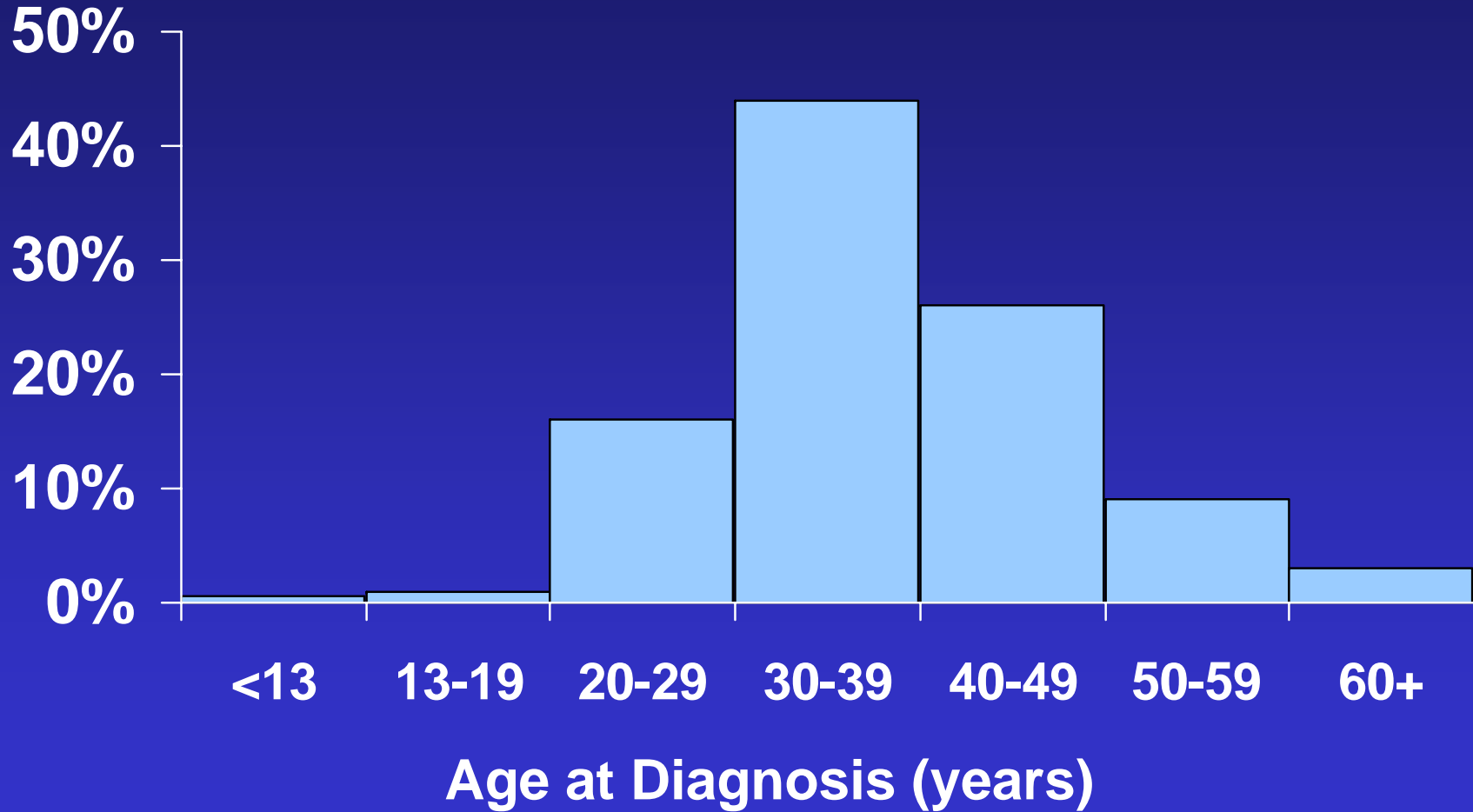
Source: *HIV/AIDS Surveillance Summary*, data as of July 1, 2006.

# Number of Persons Living with AIDS (PLWAs) by Calendar Year - LAC, 1988 - 2005



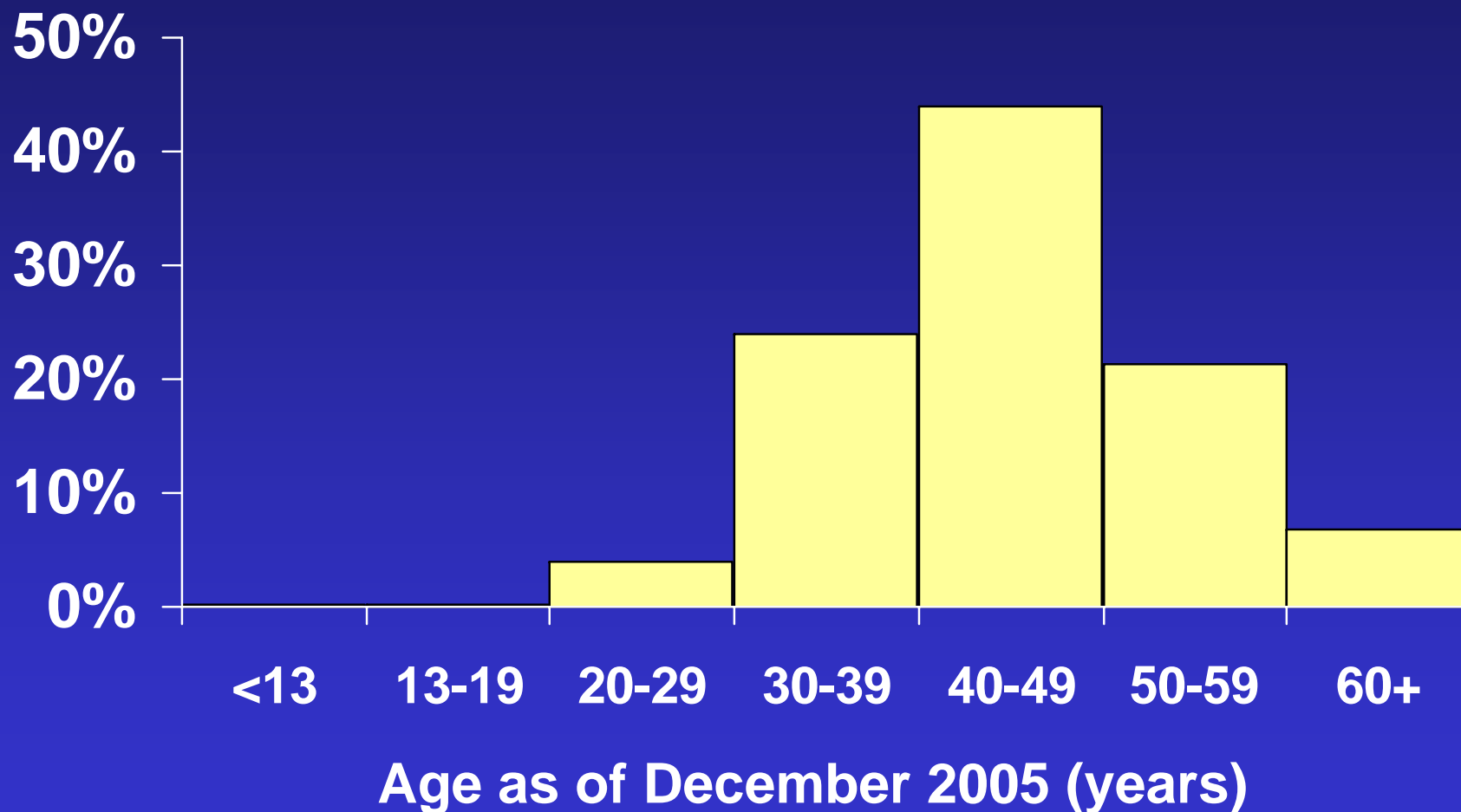
Source: *HIV/AIDS Surveillance Summary*, data as of July 1, 2006.

# Age at Diagnosis for Cumulative AIDS Cases, Los Angeles County



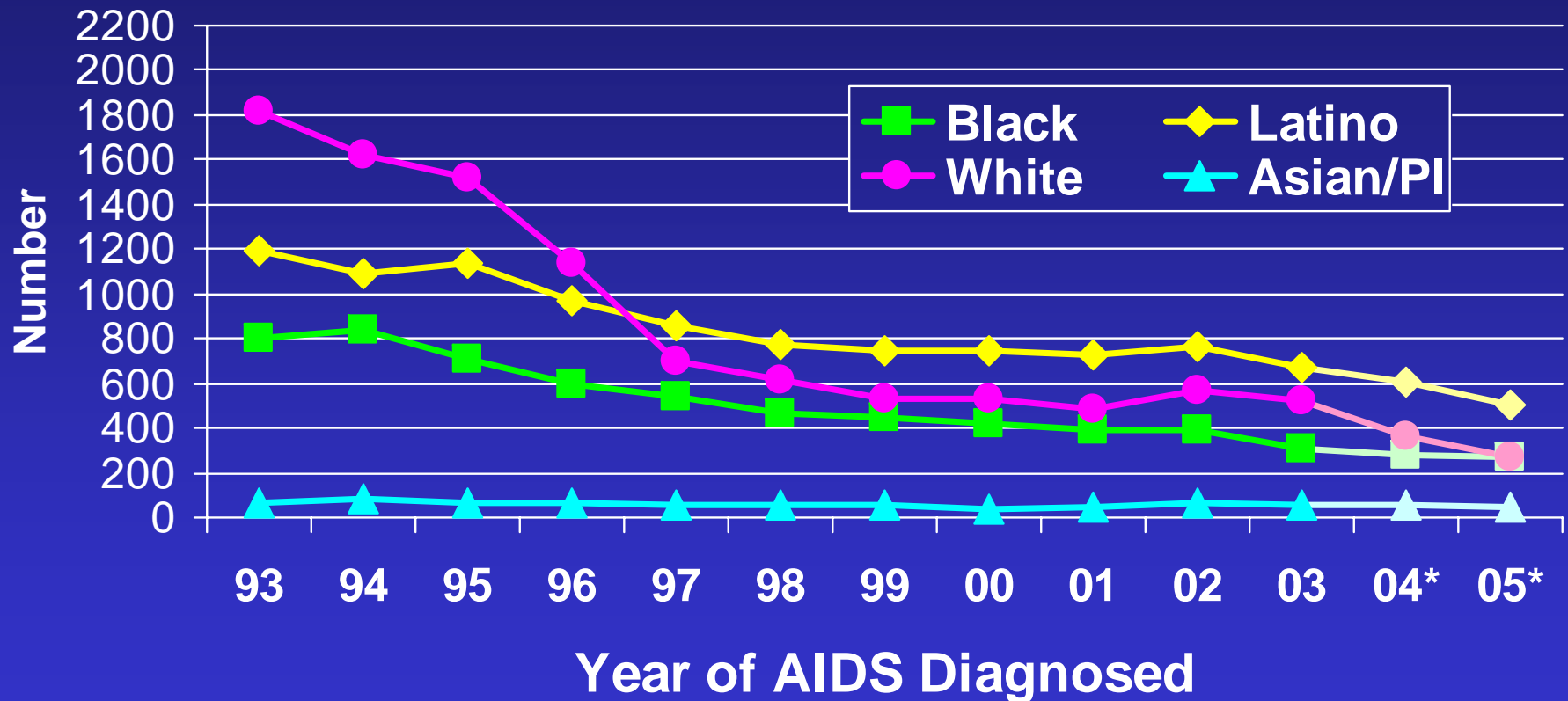
Source: *HIV/AIDS Surveillance Summary*, data as of July 1, 2006.

# Current Age of Persons Living with AIDS Los Angeles County



Source: *HIV/AIDS Surveillance Summary*, data as of July 1, 2006.

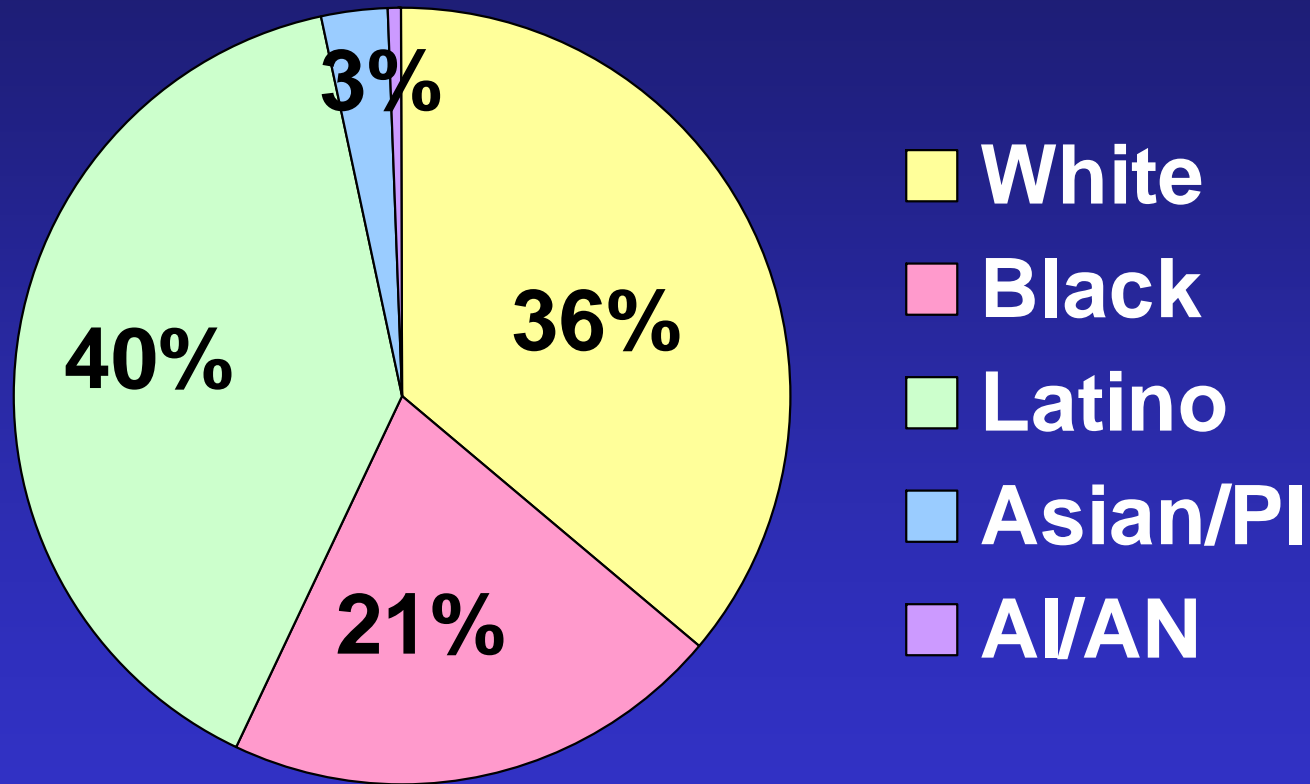
# Number of Adults/Adolescents AIDS Cases by Race/Ethnicity and Year of Diagnosis - LAC, 1993 – 2005



\*Results for 2004 and 2005 are preliminary due to reporting delay.

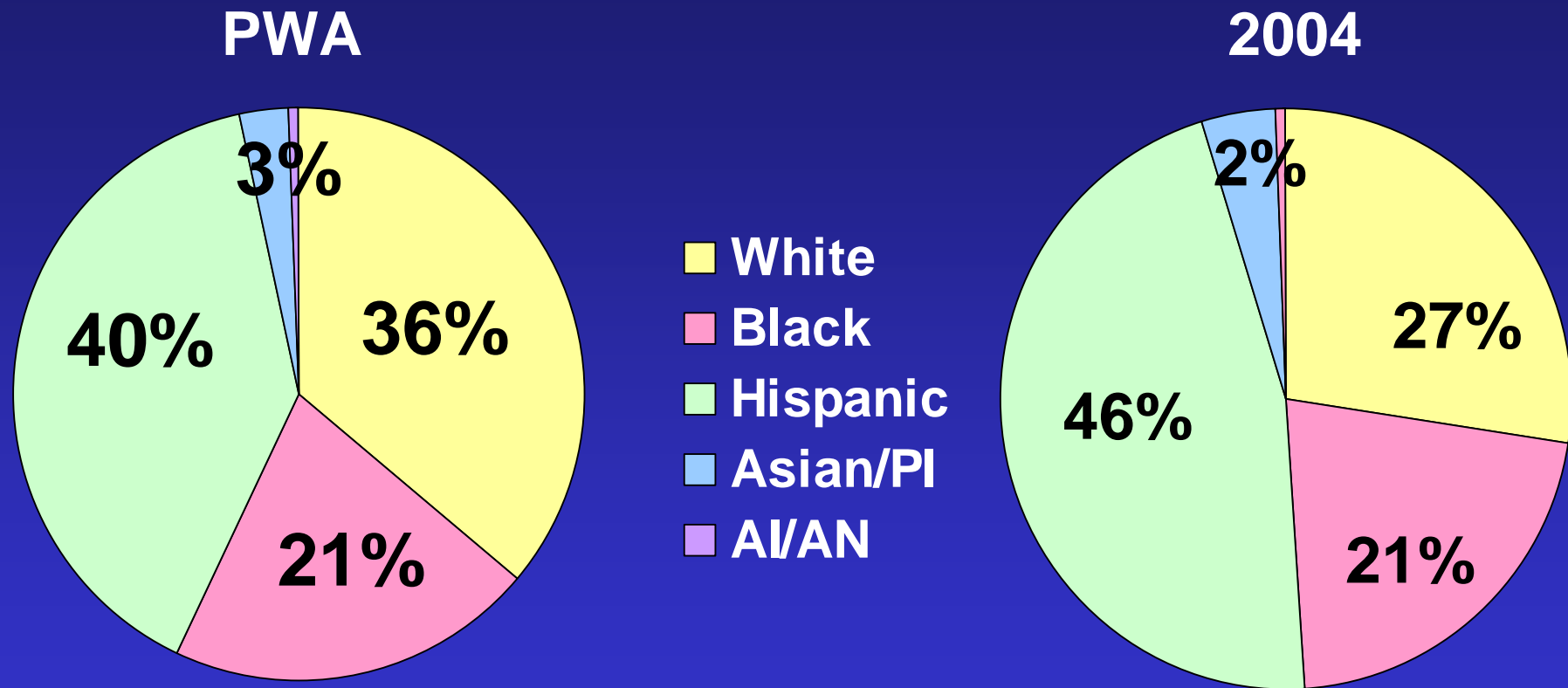


# Persons Living with AIDS in Los Angeles County, Percent by Race/Ethnicity, 2006



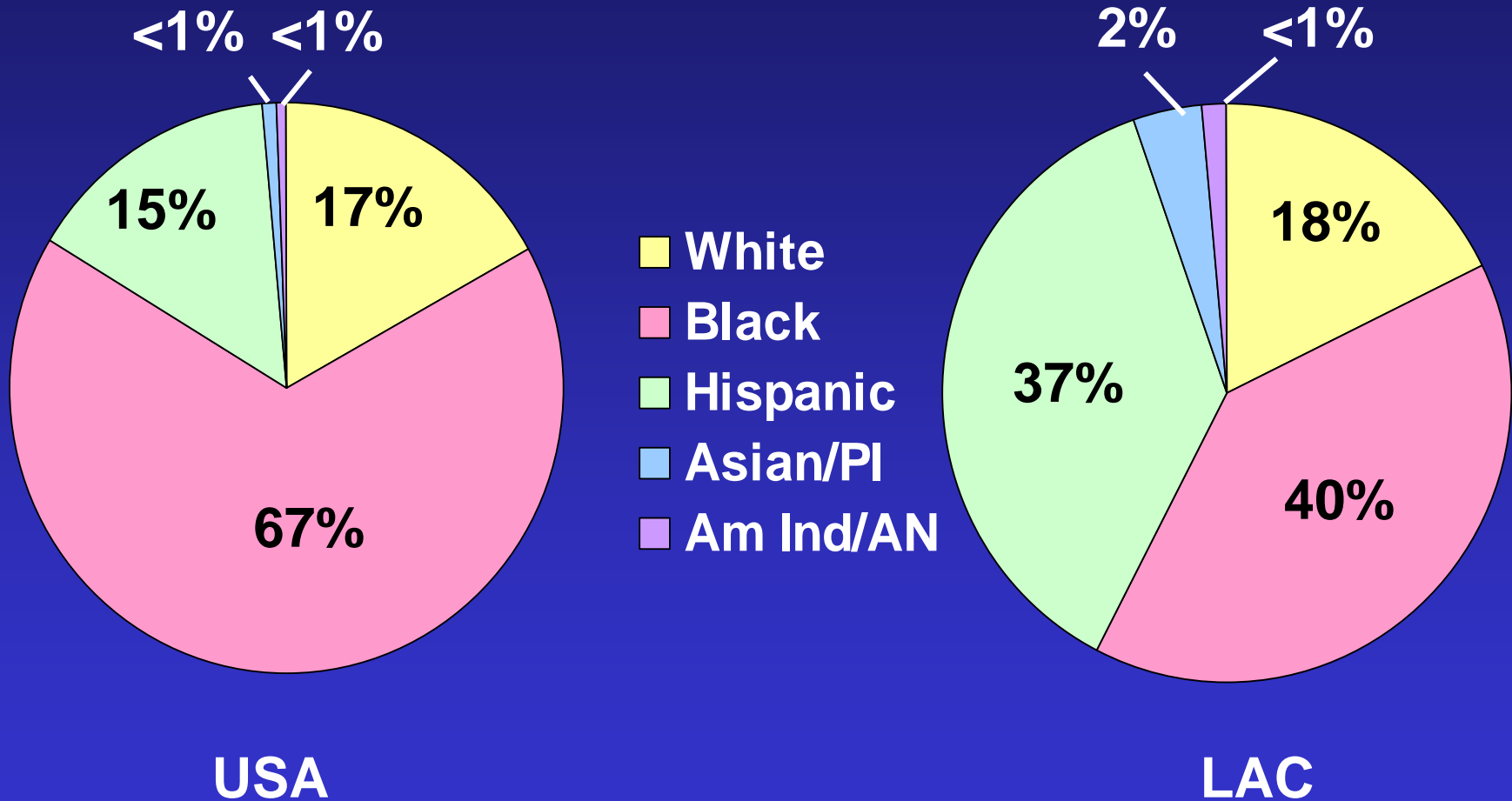
Source: HIV Epidemiology Program HIV/AIDS Surveillance Summary, LAC/DHS, data as of July 1, 2006.

# Cases of AIDS in LAC, by Race/Ethnicity Persons w/AIDS (PWA) vs. Diagnosed in 2004



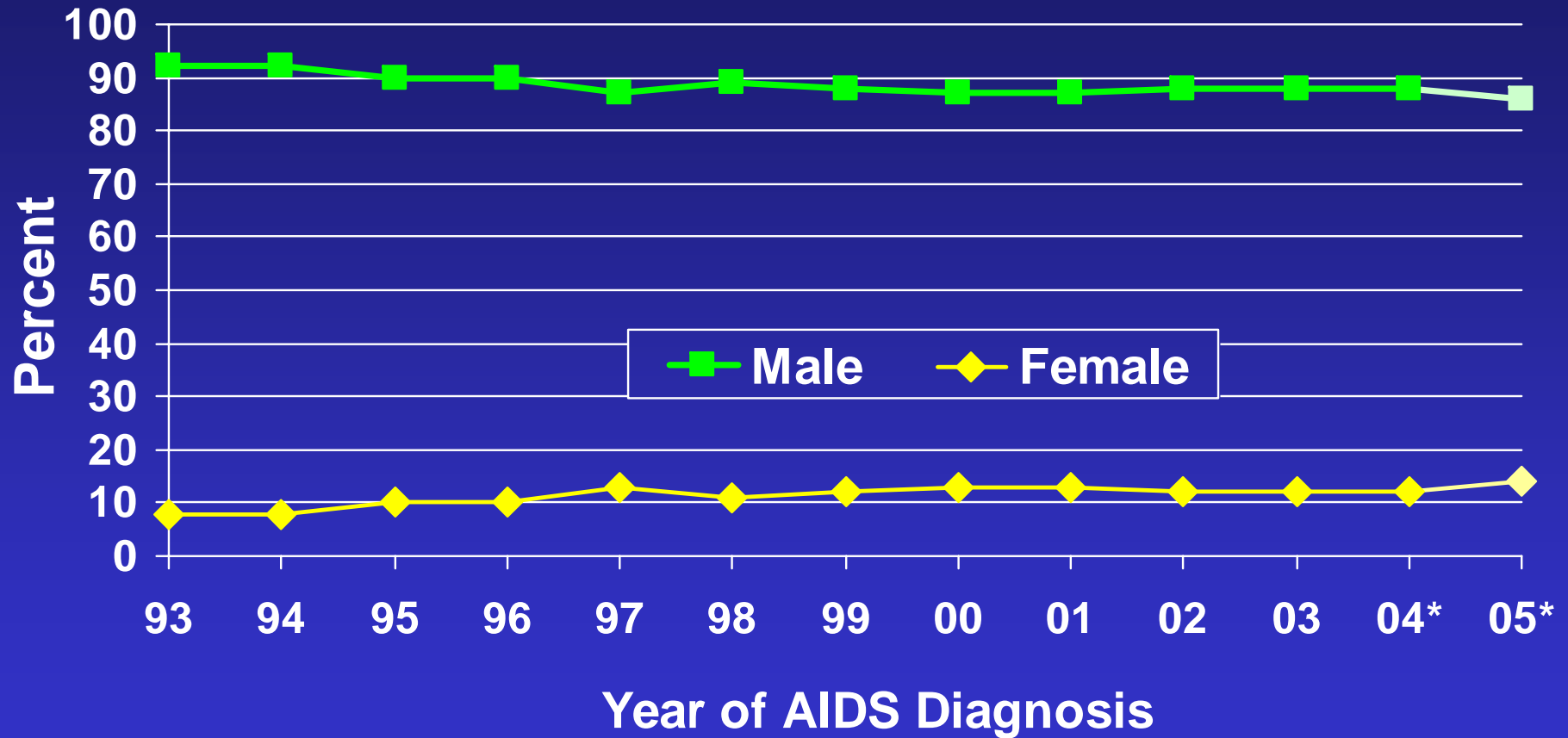
Source: HIV Epidemiology Program HIV/AIDS Surveillance Summary, data as of July 1, 2006.

# Comparison of LAC and US Female AIDS Cases Diagnosed in 2004, by Race/Ethnicity



Sources: CDC & HIV Epidemiology Program; data as of December 2005.

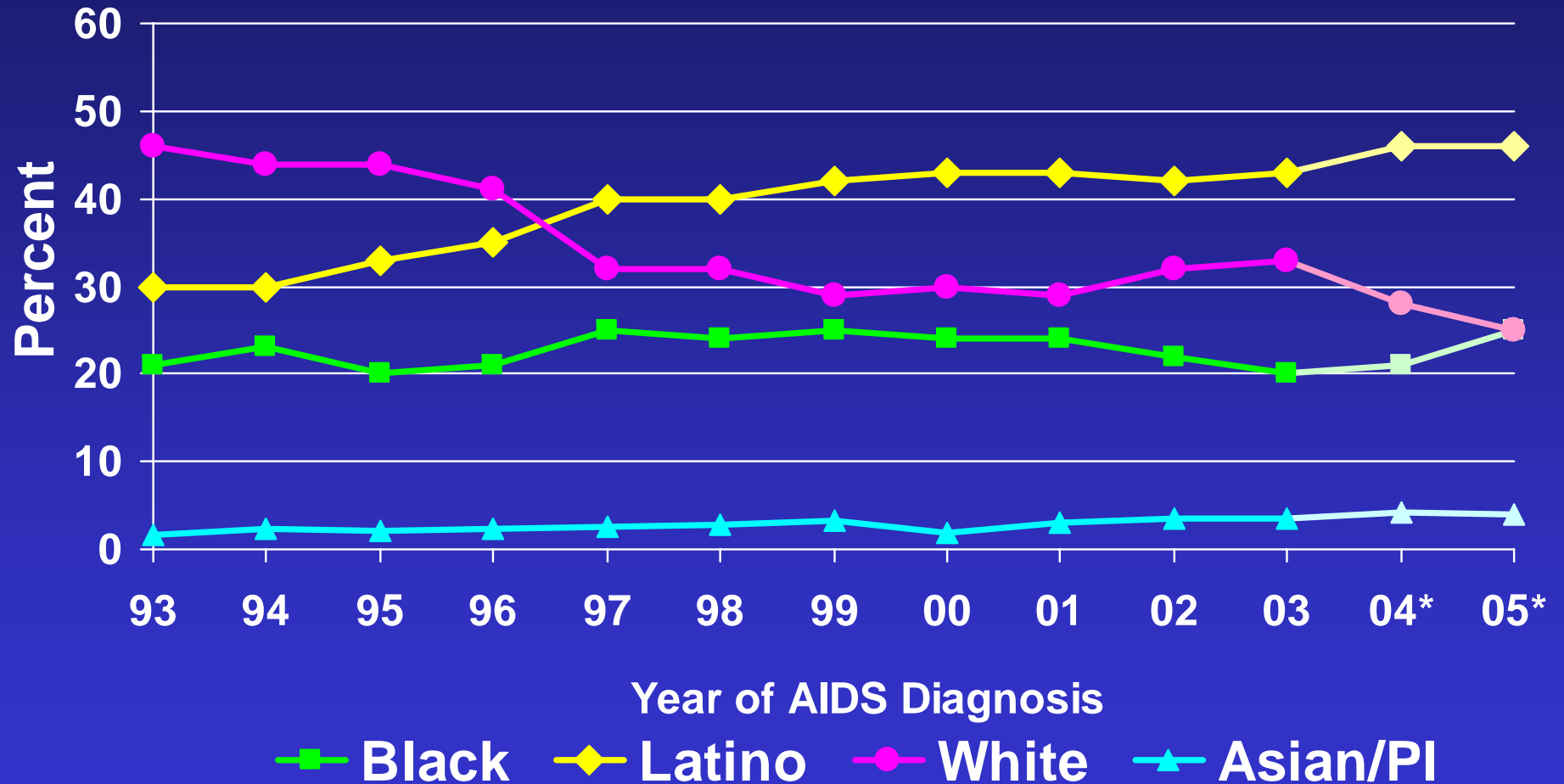
# Percent Adult/Adolescent AIDS Cases by Gender and Year of Diagnosis - LAC, 1993 – 2005



\*Results for 2004 and 2005 are preliminary due to reporting delay.



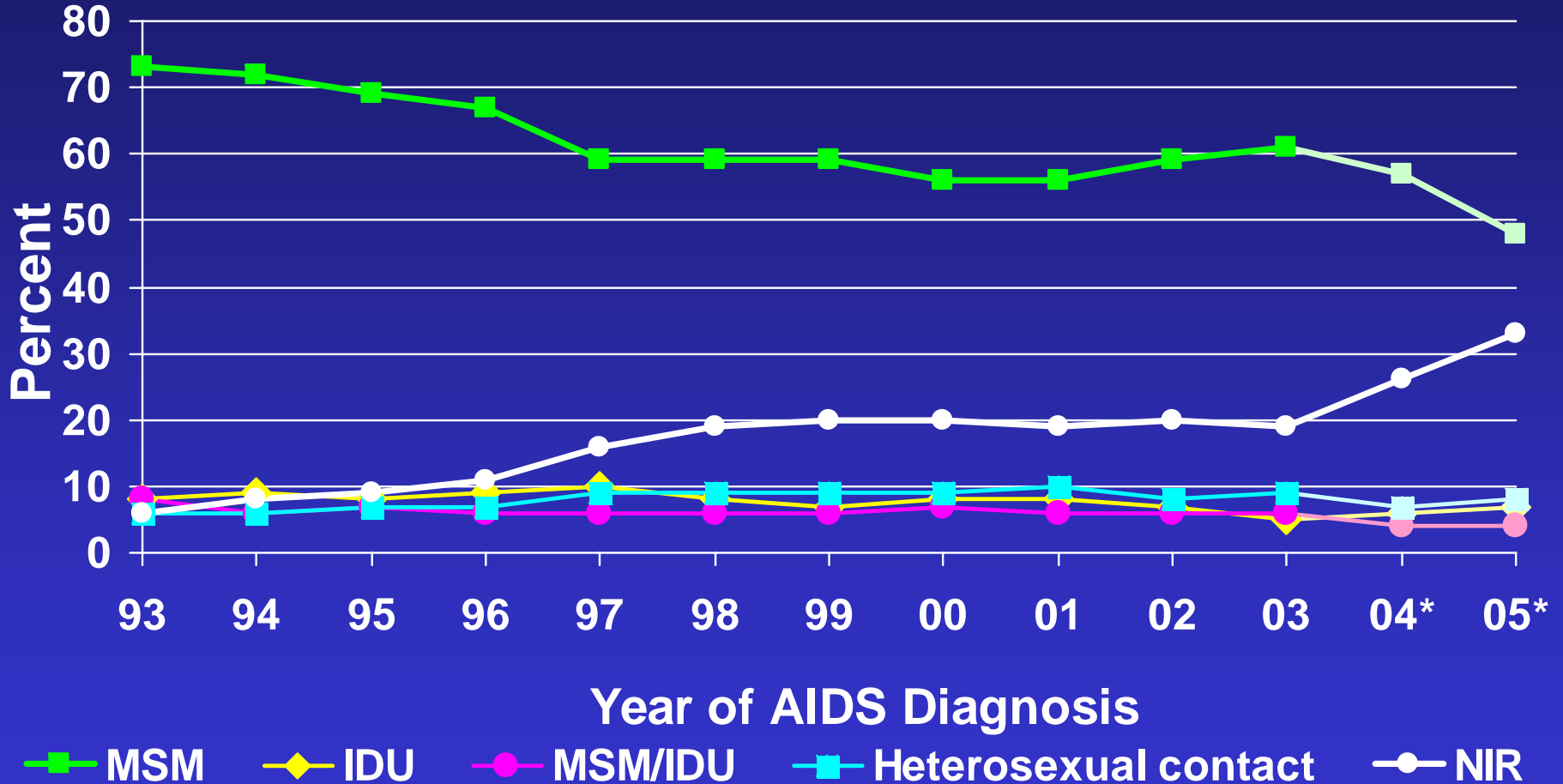
# Percent Adult/Adolescent AIDS Cases by Race/Ethnicity and Year of Diagnosis LAC, 1993 – 2005



\*Results for 2004 and 2005 are preliminary due to reporting delay.



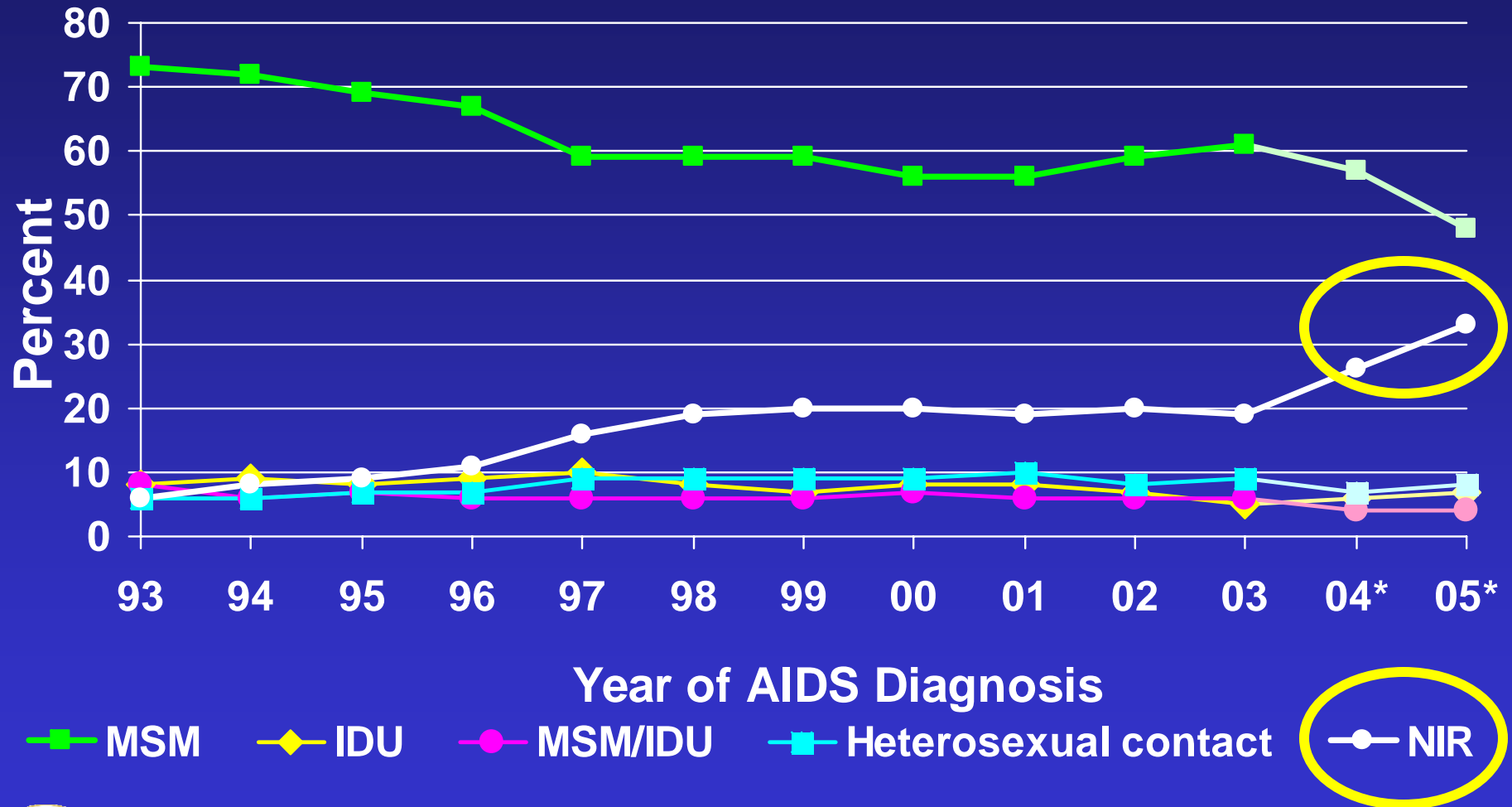
# Percent Adult/Adolescent AIDS Cases, by Exposure Mode and Year of Diagnosis LAC, 1993 – 2005



\*Results for 2004 and 2005 preliminary due to reporting delay.  
Data from HIV Epidemiology Program, as of December 31, 2005.



# Percent Adult/Adolescent AIDS Cases, by Exposure Mode and Year of Diagnosis LAC, 1993 – 2005



\*Results for 2004 and 2005 preliminary due to reporting delay.  
Data from HIV Epidemiology Program, as of December 31, 2005.



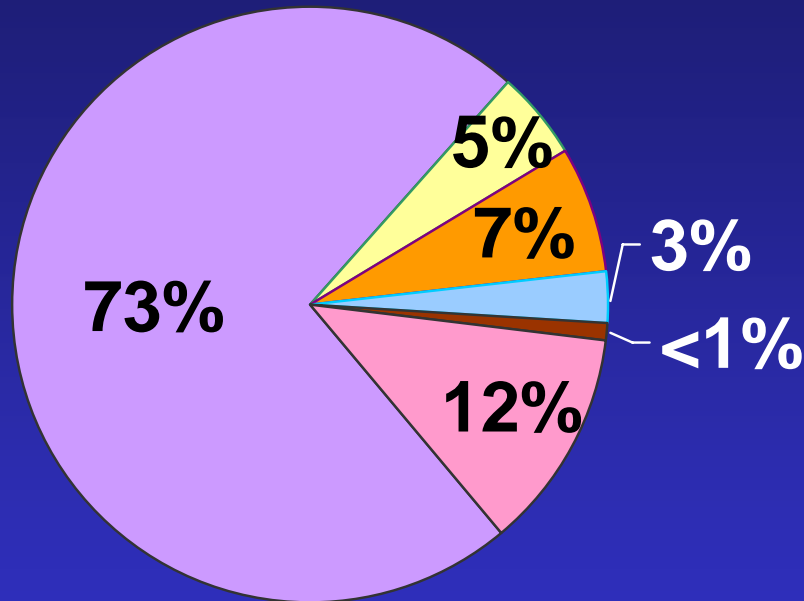
## **No Identified Risk Redistribution**

- **Because a larger proportion of AIDS cases were reported with no identified risk (NIR) in recent years, AIDS incidence among some exposure categories may be underestimated unless an adjustment is done.**
- **We adopted the methods developed by CDC to re-distribute these NIR cases into other valid categories based on cases that were investigated and reclassified in the past.**

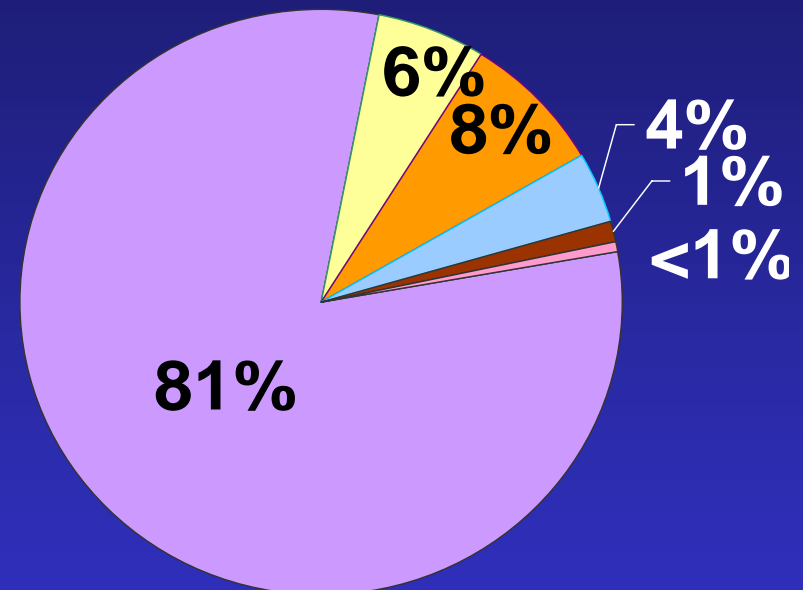


# Mode of Exposure for Men Living with AIDS in LAC as of December 31, 2005 (n=18,660)

Before Reclassification



NIR Reclassified



MSM

MSM/IDU

Other\*

IDU

Heterosexual contact

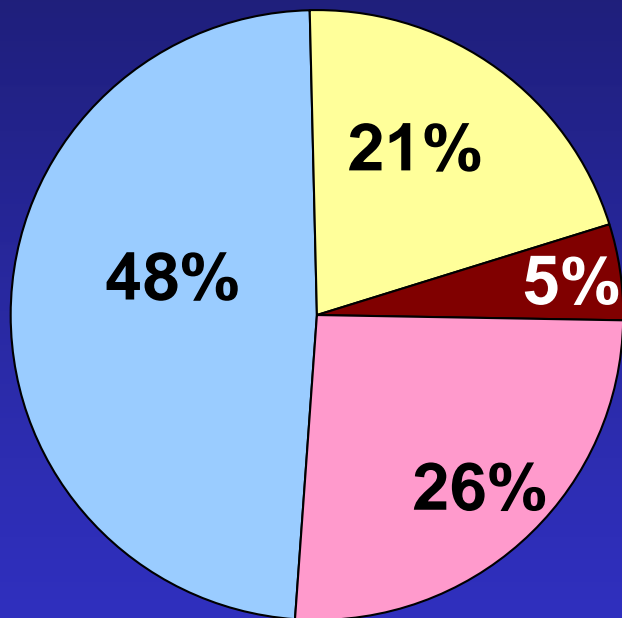
Undetermined



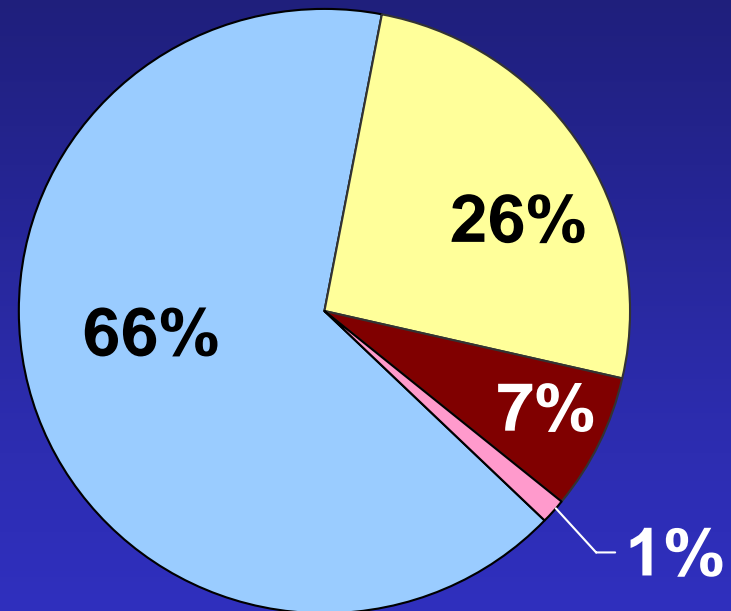
\*Other = Hemophilia/Transfusion/Transplant and Mother w/ risk.  
 Source: HIV Epidemiology Program, LAC/DHS, data as of June 2006.

# Mode of Exposure for Women Living with AIDS in LAC, as of December 31, 2005 (n=2,266)

## Before Reclassification



## NIR Reclassified

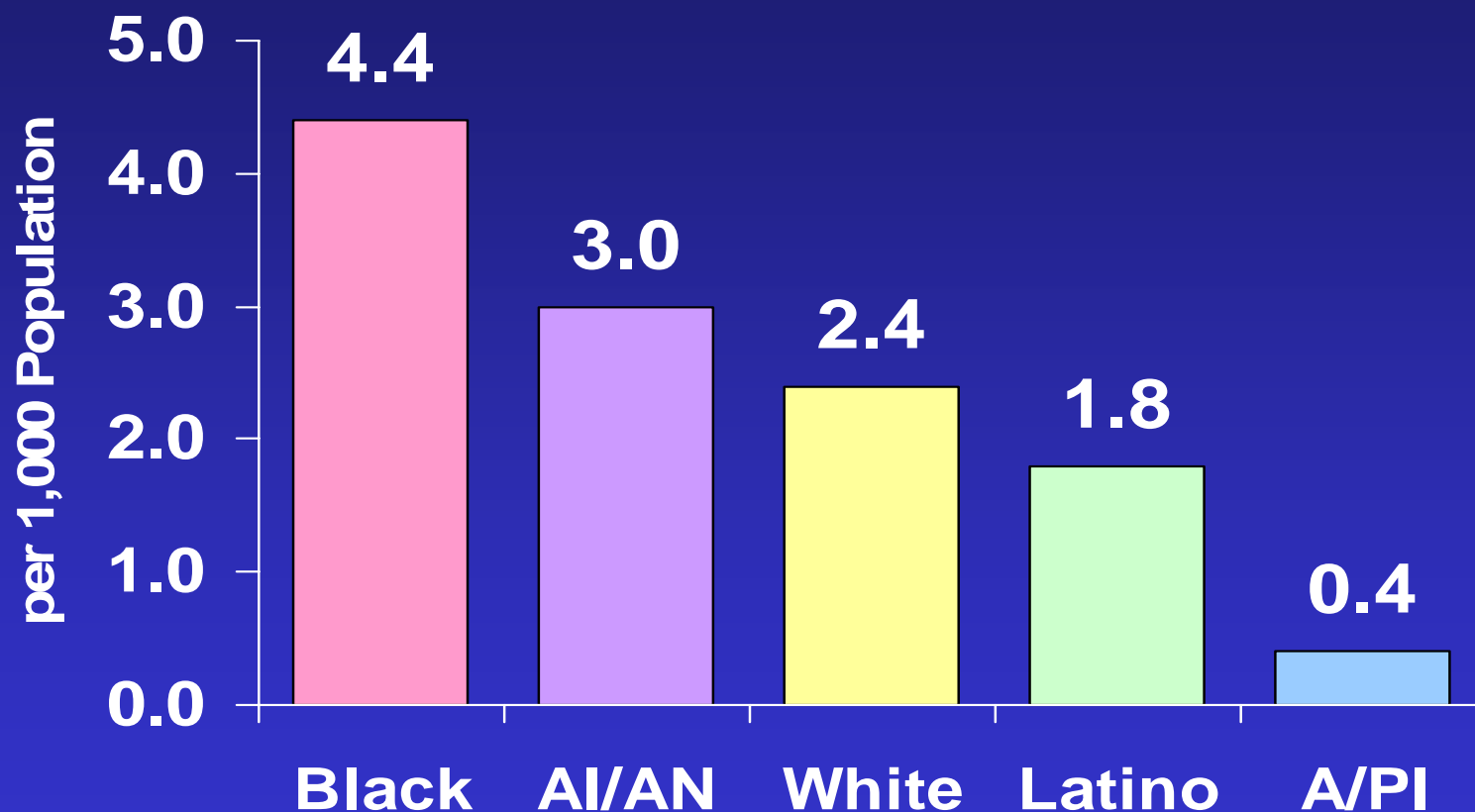


■ Heterosexual contact    ■ IDU    ■ Other\*    ■ NIR



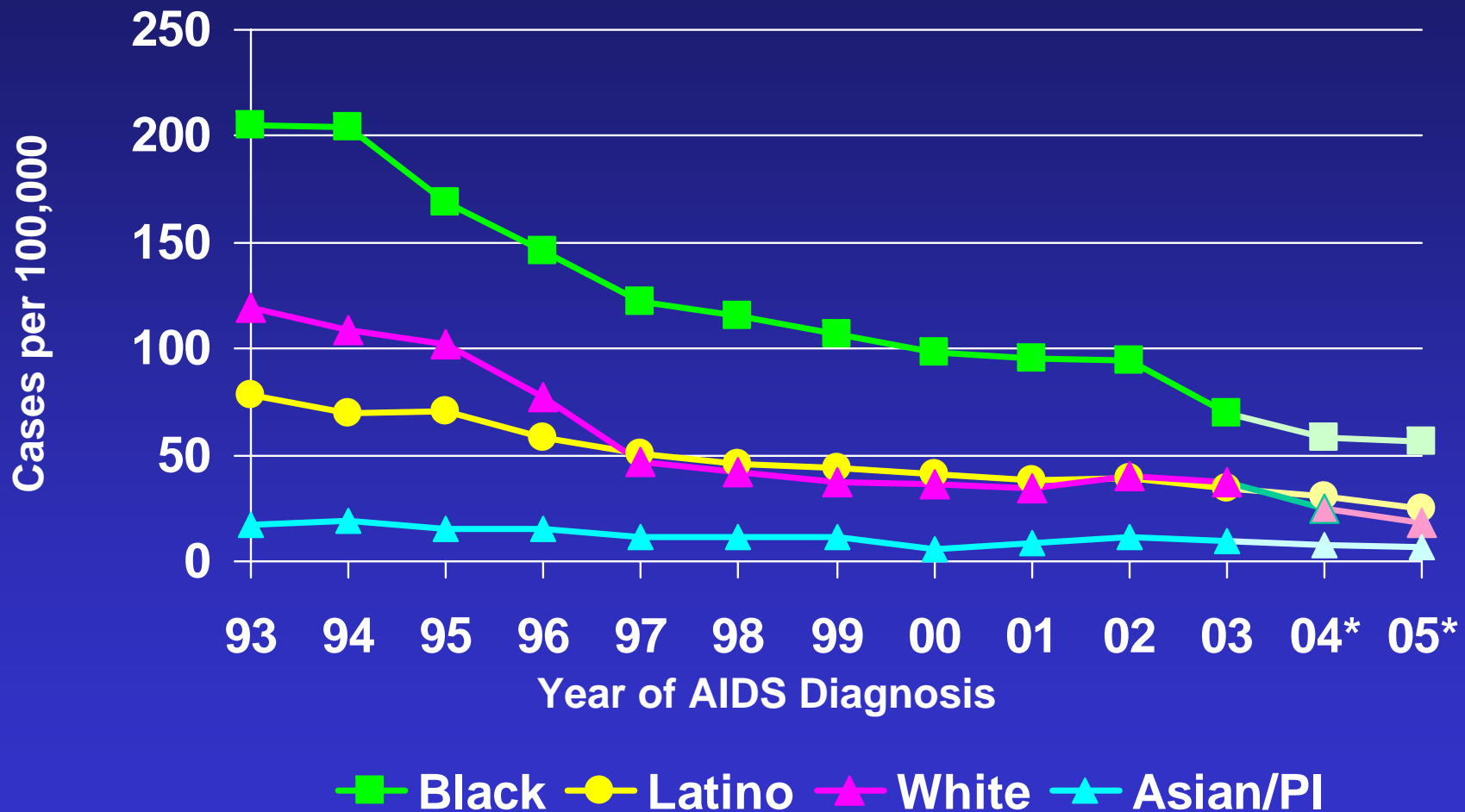
\*Other = Hemophilia/Transfusion/Transplant and Mother w/at HIV risk.  
Source: HIV Epidemiology Program, LAC/DHS, data as of June 2006.

# Persons Living with AIDS in LAC per 1,000 population by Race/Ethnicity



Rates are based on year 2004 population estimates.  
Data from HIV Epidemiology Program, as of June 20, 2006.

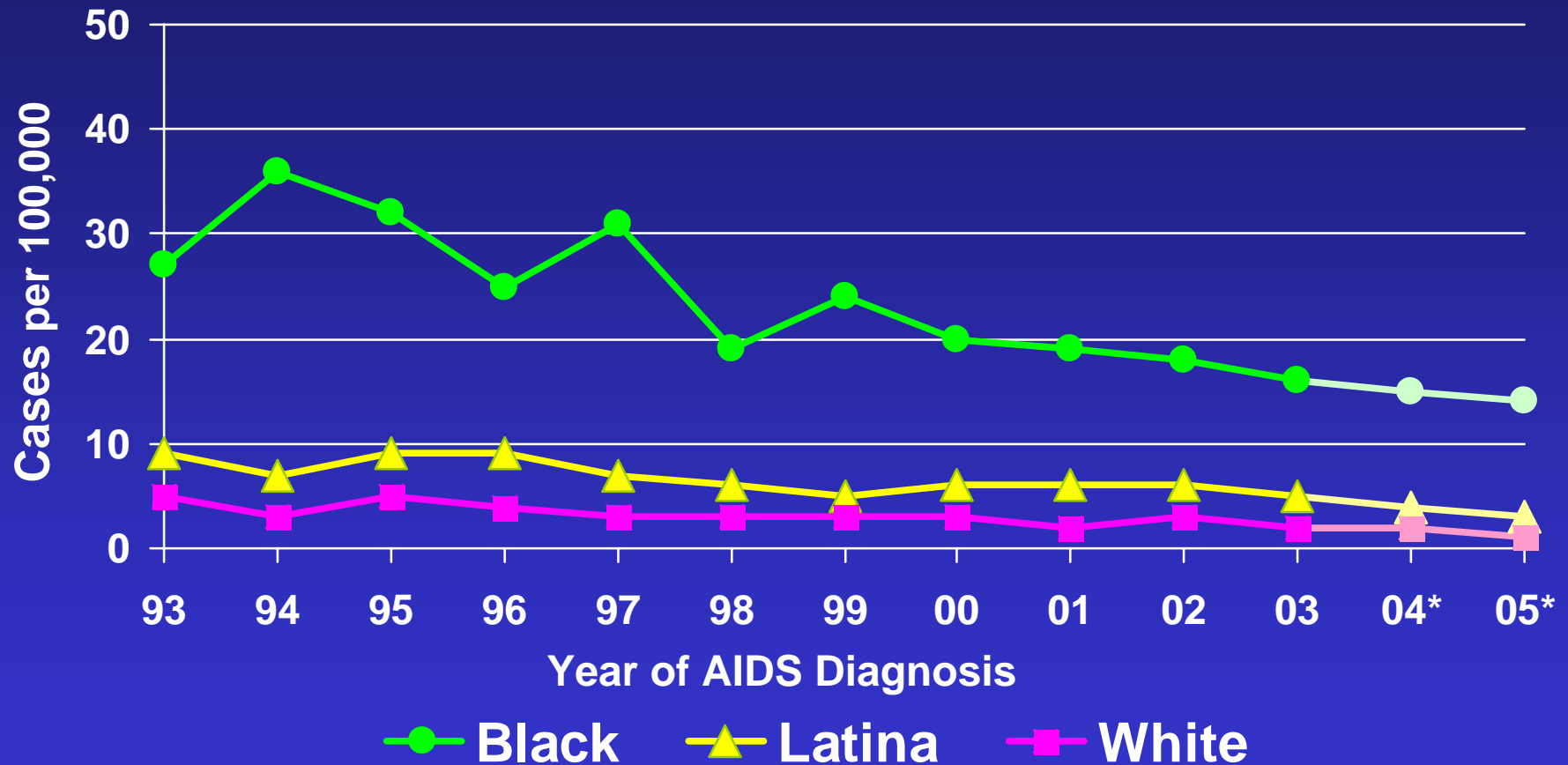
# Male Adult/Adolescent Annual AIDS Rates<sup>1</sup> by Race/Ethnicity<sup>2</sup> and Year of Diagnosis LAC, 1993 - 2005



1 Data NOT adjusted for report delay. \*2004 and 2005 preliminary.  
2 Am. Indian/Alaskan Nat. not shown due to small numbers.

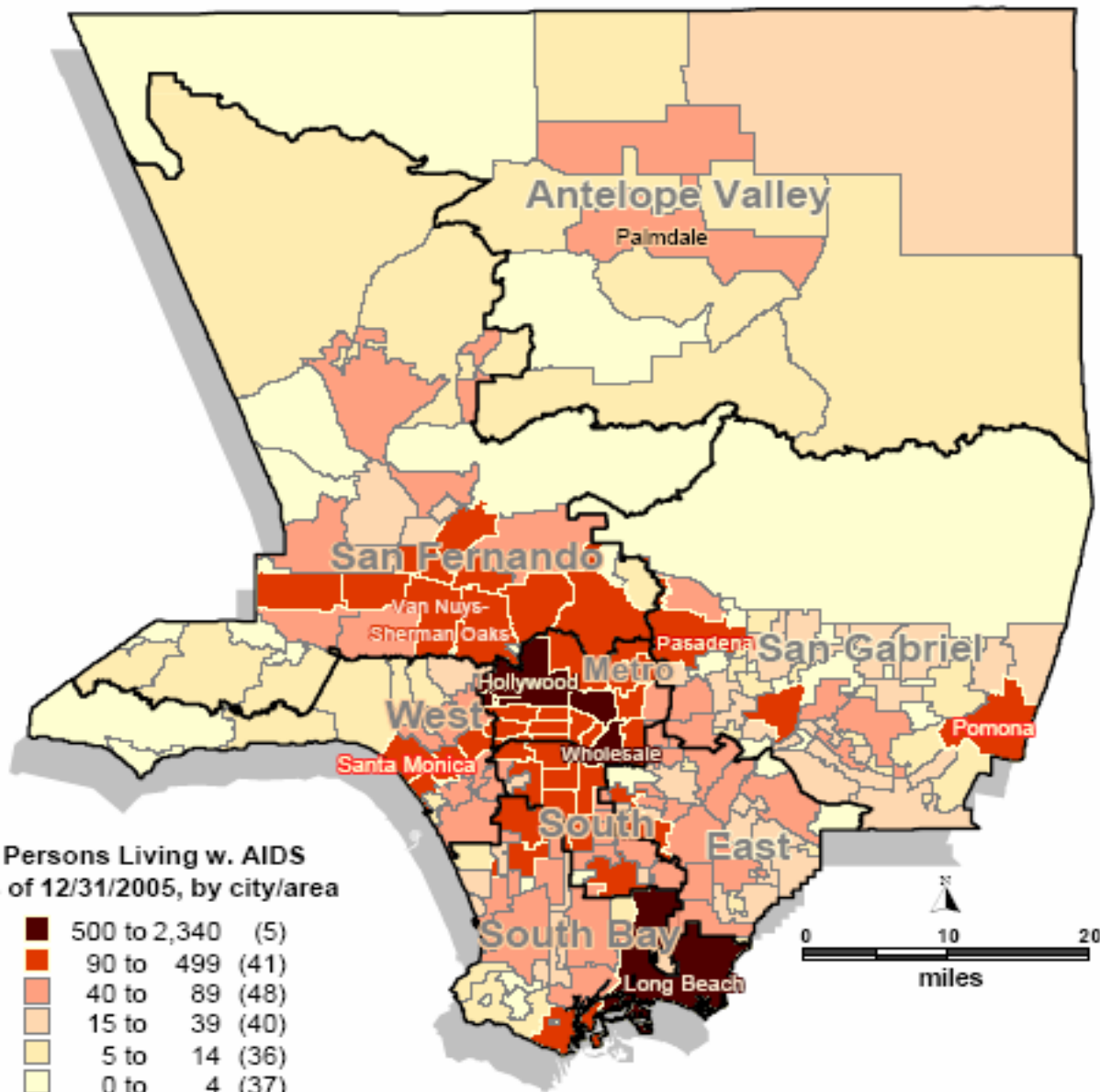


# Female Adult/Adolescent Annual AIDS Rates<sup>1</sup> by Race/Ethnicity<sup>2</sup> and Year of Diagnosis LAC, 1993 - 2005



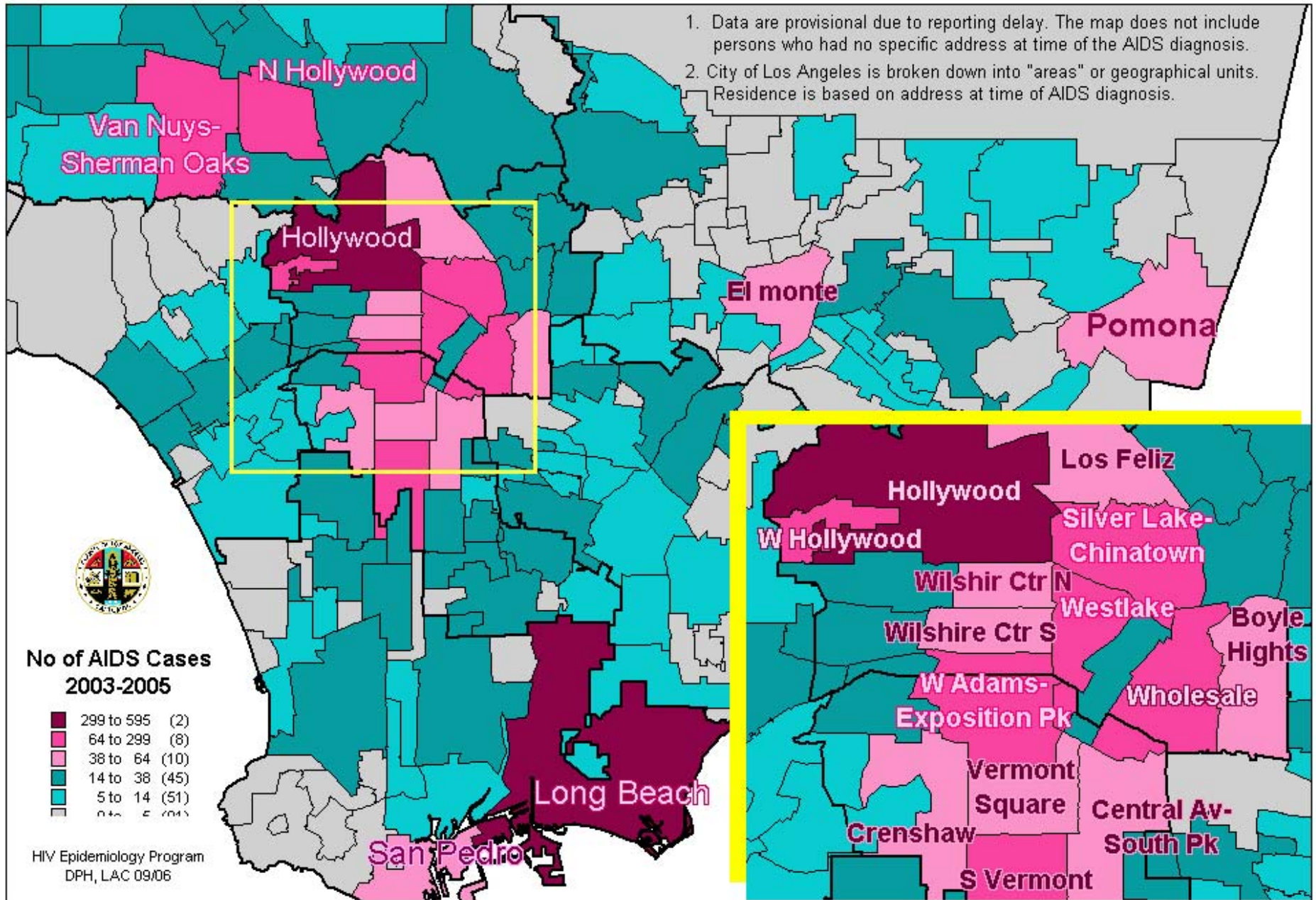
1 Data NOT adjusted for report delay. \*2004 and 2005 preliminary.  
2 Asian/Pis and Am. Indian/AN not shown due to small numbers.

# Number of Persons Living with AIDS by City/Area of LA County, as of Dec. 31, 2005



# Top 20 Cities/Areas With Most People Diagnosed with AIDS in 2003-2005, LAC

1. Data are provisional due to reporting delay. The map does not include persons who had no specific address at time of the AIDS diagnosis.
2. City of Los Angeles is broken down into "areas" or geographical units. Residence is based on address at time of AIDS diagnosis.



# Non-AIDS HIV in L.A. County



# Comparison of Persons Reported with HIV\* Diagnosed before and after July 2002

	Diagnosed < 7/02	Diagnosed > 7/02
	Percent	Percent
<b>Gender</b>		
Male	84%	83%
Female	15%	16%
Transgender	1%	3%
<b>Risk</b>		
MSM	63%	54%
MSM+IDU	5%	3%
IDU	5%	4%
Heterosexual	7%	5%
Not identified	18%	33%



\*All cases reported July 1, 2002 – June 30, 2005

## Comparison of Persons Reported with HIV\* Diagnosed before and after July 2002

	Diagnosed < 7/02	Diagnosed > 7/02
	Percent	Percent
<b>Race/Ethnicity</b>		
White	41%	<b>29%</b>
Black	24%	23%
Latino	31%	<b>42%</b>
Asian, AI, Other	4%	6%
<b>Age at diagnosis</b>		
< 13 years	2%	0.4%
13-24 years	14%	15%
25-29 years	19%	14%
30-39 years	41%	37%
40+ years	24%	<b>33%</b>



# Persons recently reported with HIV\* compared with persons recently diagnosed with AIDS, LAC

	AIDS 2002-2003	Recent HIV*
	%	%
<b>Gender</b>		
Male	88%	83%
Female	12%	16%
Transgender	--	3%
<b>Risk</b>	<b>AIDS 2002</b>	
MSM	57%	54%
MSM+IDU	6%	3%
IDU	7%	4%
Heterosexual	8%	5%
NRR	20%	33%



\* Reported since 7/2002

# Persons recently reported with HIV\* compared with persons recently diagnosed with AIDS, LAC

	AIDS 2002-2003	Recent HIV*
	%	%
<b>Race/Ethnicity</b>		
White	31%	29%
Black	22%	23%
Latino	43%	42%
Asian, AI, Other	4%	6%

\* Reported since 7/2002



## The HIV EPI Challenge

- 15,275 coded cases reported from 2002-06
  - used to allocate funds for RWCA until 2009
- Only named HIV cases reported by December 2008 will be counted beginning with RWCA renewal in 2009
- Thus far:
  - > 3,500 named non-AIDS HIV cases reported
  - > 4,000 match coded cases to be reported
  - > 5,000 more new cases to be reported



# Contact Information

Douglas Frye

Phone: (213) 351 - 8190

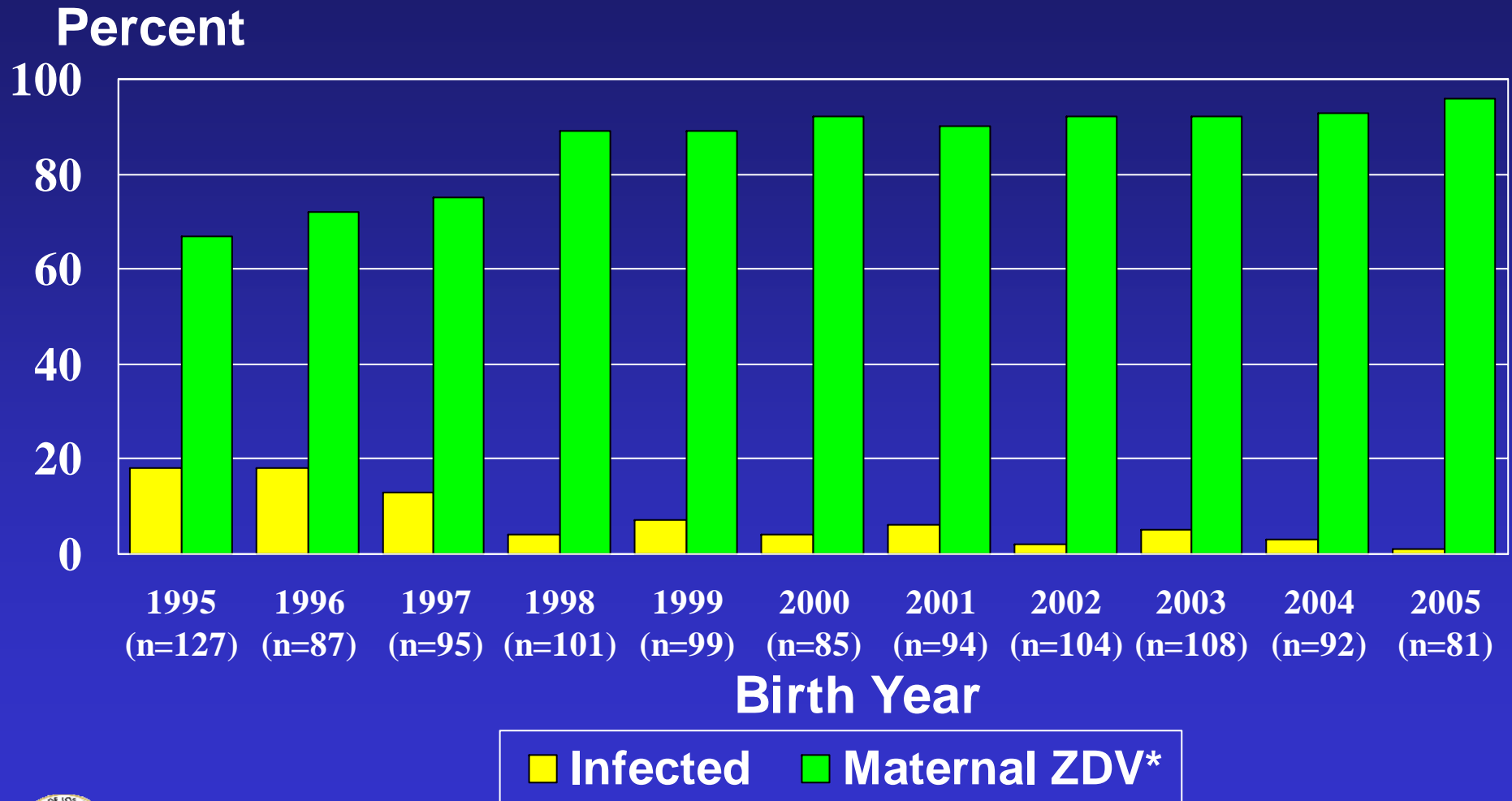
[www.lapublichealth.org/hiv](http://www.lapublichealth.org/hiv)

**HIV L.A.**

**Comprehensive Directory of  
HIV/AIDS Services in LAC**

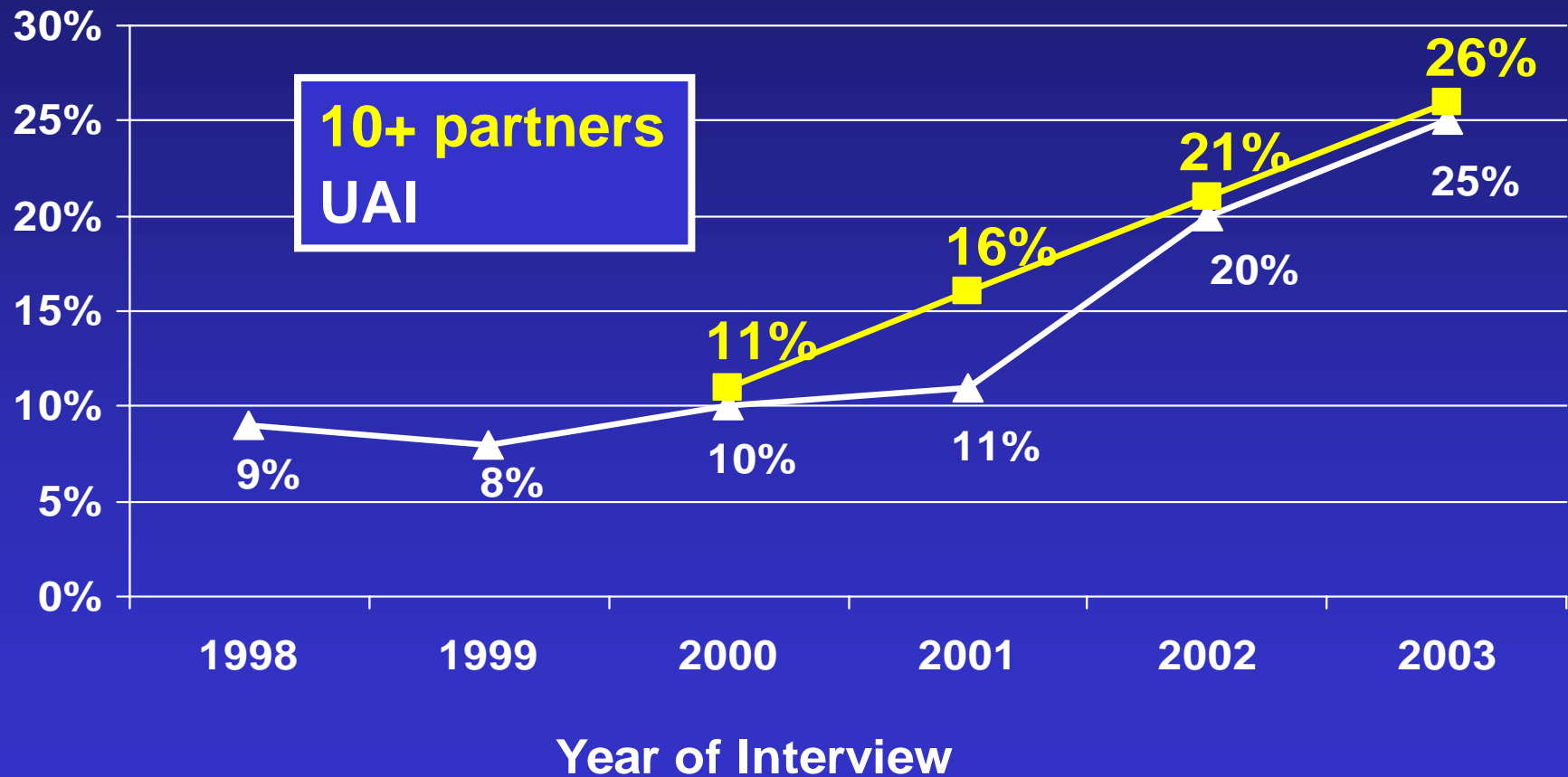
[www.hivla.com](http://www.hivla.com)

# Rates of Perinatal HIV Transmission and Maternal Zidovudine for Reported Babies Born in Los Angeles County, 1995 – 2005



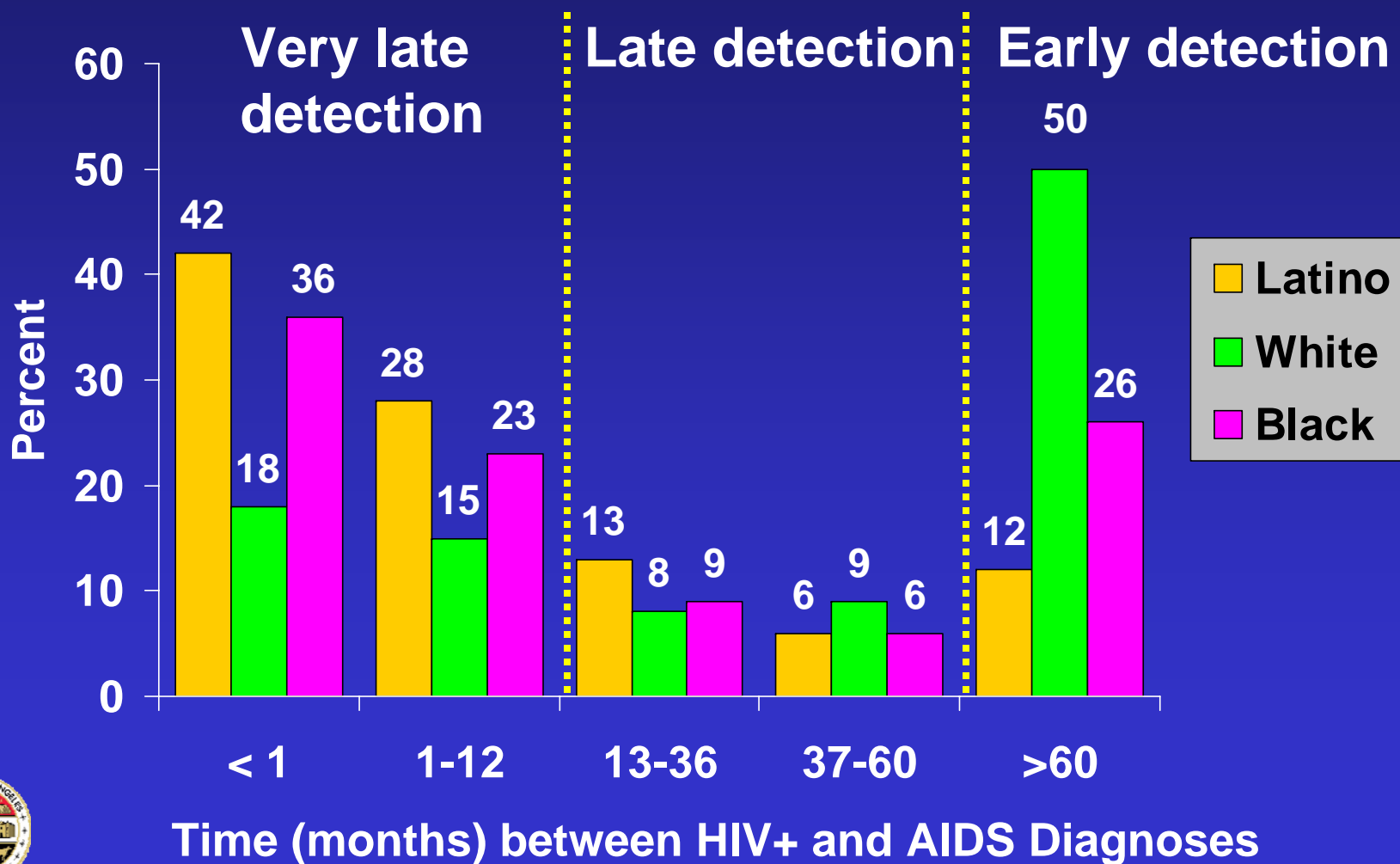
\*Defined as any antiretroviral received prenatally or during L&D

# Percent MSM with AIDS Reporting Unprotected Anal intercourse (UAI) at last Sex and 10+ sexual partners in last year, SHAS\*, 1998-2003.



\*SHAS = Los Angeles Supplement to HIV/AIDS Surveillance project

# Time, in months, between first learned of HIV+ status and AIDS Diagnosis, by Race/Ethnicity SHAS, LAC, 2000 - 2004 (N = 672)



# Cumulative AIDS Rates (per 100,000) by Race/Ethnicity and Median Household Income\* LAC, 1997-1998

Race/Ethnicity	Income	Overall Rate	Rate
<b>White</b>		<b>33</b>	
	Low		<b>93</b>
	Middle		<b>37</b>
	High		<b>14</b>
<b>African-American</b>		<b>94</b>	
	Low		<b>108</b>
	Middle		<b>82</b>
	High		<b>67</b>
<b>Latino</b>		<b>33</b>	
	Low		<b>38</b>
	Middle		<b>29</b>
	High		<b>20</b>
<b>Asian/Native American</b>		<b>7</b>	
	Low		<b>10</b>
	Middle		<b>7</b>
	High		<b>5</b>



Source: HIV Epidemiology Program, LAC/DHS