



# **HIV IN THE SOUTHERN REGION: AN EPIDEMIOLOGICAL PROFILE**

**SOUTHERN RAC MEETING  
APRIL 24, 2014**

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Prevention and Health Promotion Administration**

# MISSION AND VISION



## MISSION

- The mission of the Prevention and Health Promotion Administration is to protect, promote and improve the health and well-being of all Marylanders and their families through provision of public health leadership and through community-based public health efforts in partnership with local health departments, providers, community based organizations, and public and private sector agencies, giving special attention to at-risk and vulnerable populations.

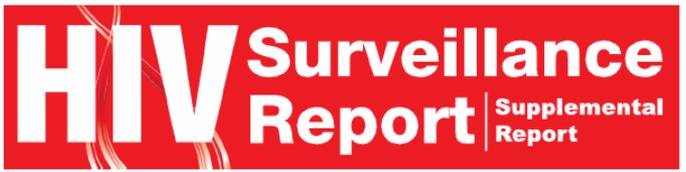
## VISION

- The Prevention and Health Promotion Administration envisions a future in which all Marylanders and their families enjoy optimal health and well-being.



# National Data

# U.S. Prevalence



Volume 18, Number 5

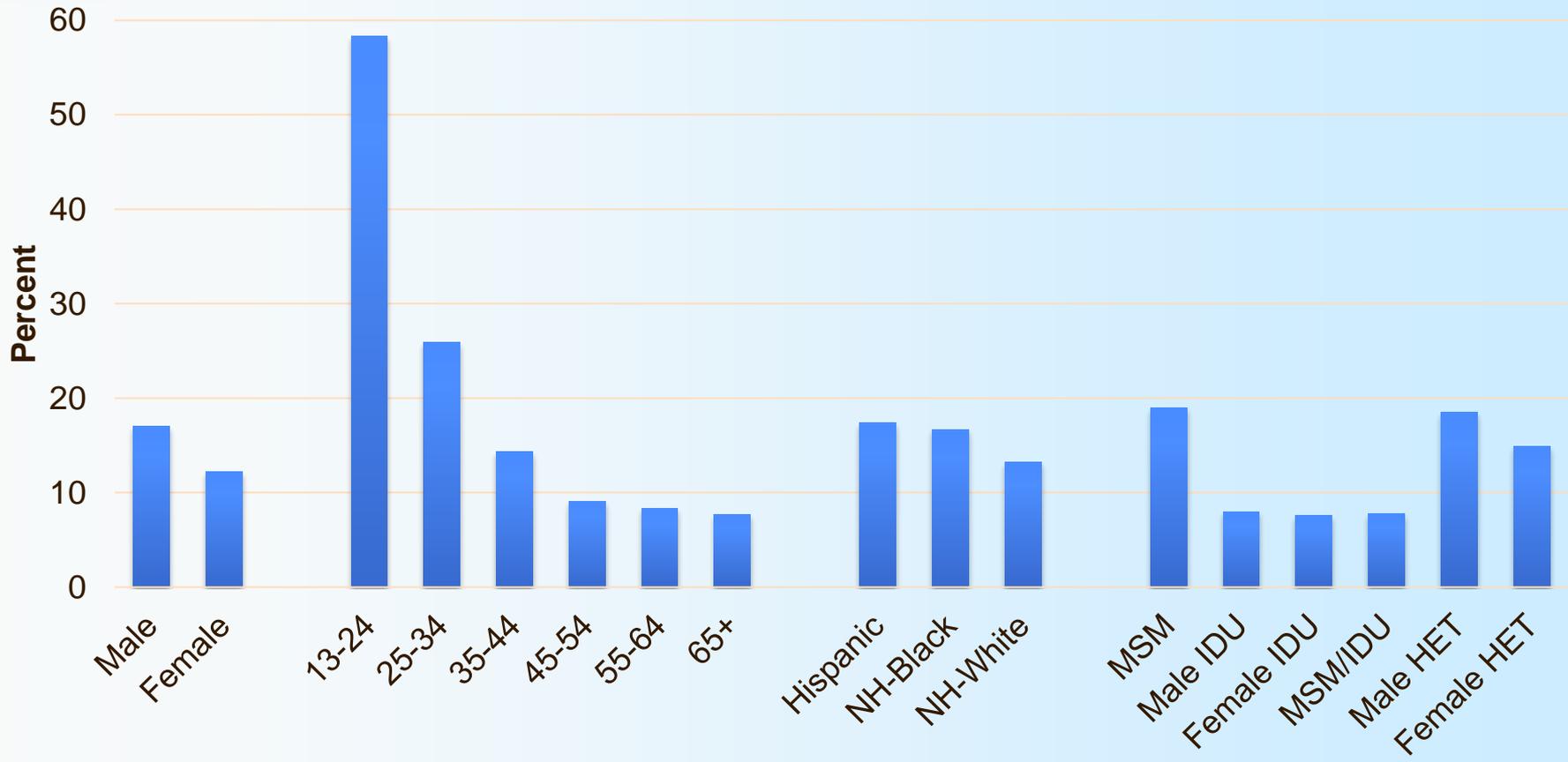
**Monitoring Selected National  
HIV Prevention and Care Objectives  
by Using HIV Surveillance Data—  
United States and  
6 Dependent Areas—2011**

- CDC estimated 1,144,500 adults/adolescents were living with HIV at the end of 2010
- 15.8% were undiagnosed



# Undiagnosed Infections

Estimated percent undiagnosed HIV infections, U.S., age 13+, 2010



# Estimated HIV Diagnoses during 2011, Ranked by Rates



<u>STATE/TERRITORY</u>	<u>Cases</u>	<u>Rate per 100,000</u>
1. District of Columbia	962	155.6
2. Virgin Islands	35	33.0
<b>3. Maryland</b>	<b>1,783</b>	<b>30.6</b>
4. Louisiana	1,381	30.2
5. Florida	5,408	28.4
6. Georgia	2,522	25.7
7. New York	4,960	25.5
8. Puerto Rico	888	24.0
9. Mississippi	617	20.7
10. Texas	5,065	19.7
<hr/>		
<i>United States</i>	<i>50,199</i>	<i>15.9</i>

# Estimated HIV Diagnoses during 2011, Ranked by Rates



<u>METROPOLITAN AREA</u>	<u>Cases</u>	<u>Rate per 100,000</u>
1. Miami, FL	2,606	46.0
2. New Orleans-Metairie-Kenner, LA	513	43.0
3. Baton Rouge, LA	336	41.6
4. Jackson, MS	200	36.7
<b>5. Washington, DC-VA-MD-WV</b>	<b>1,969</b>	<b>34.5</b>
<b>6. Baltimore-Towson, MD</b>	<b>922</b>	<b>33.8</b>
7. Memphis, TN-MS-AR	433	32.6
8. Atlanta-Sandy Springs-Marietta, GA	1,626	30.3
9. New York, NY-NJ-PA	5,344	28.1
10. Jacksonville, FL	382	28.1
<hr/>		
<i>United States</i>	<i>50,161</i>	<i>15.9</i>

# Maryland STI Ranking



	2011			2012		
	MD Ranking	MD Rate	U.S. Rate	MD Ranking	MD Rate	U.S. Rate
Syphilis (primary & secondary)	<b>2<sup>nd</sup></b>	7.8 (452 cases)	4.5	<b>4<sup>th</sup></b>	7.4 (431 cases)	5.0
Congenital Syphilis	<b>2<sup>nd</sup></b>	31.1 (24 cases)	8.5	<b>5<sup>th</sup></b>	16.0 (12 cases)	7.8
Gonorrhea	<b>16<sup>th</sup></b>	111.9 (6,458 cases)	104.2	<b>22<sup>nd</sup></b>	97.6 (5,686 cases)	107.5
Chlamydia	<b>16<sup>th</sup></b>	471.3 (27,212 cases)	457.6	<b>21<sup>st</sup></b>	455.3 (26,534 cases)	456.7

Syphilis, gonorrhea, and chlamydia rates are cases per 100,000

Congenital syphilis rate is cases per 100,000 live births

Source: Centers for Disease Control and Prevention



# State Data

# Maryland Adult/Adolescent HIV Statistics

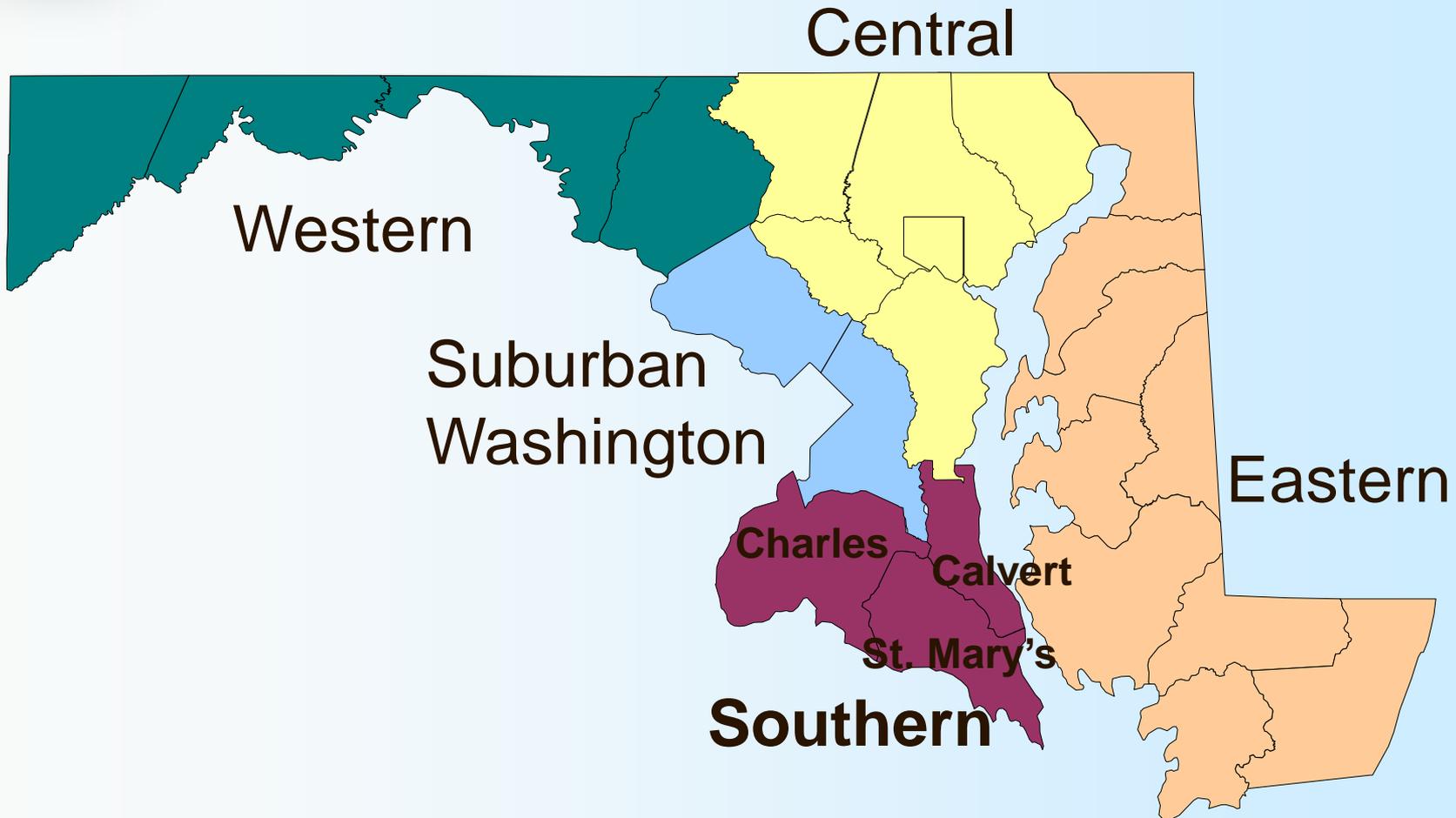


Reported Diagnoses (during 2012)	No.	per 100,000	
HIV	1,415	28.7	
AIDS	829	16.8	
Deaths Among AIDS Cases (during 2012)	No.		
	362		
Living Cases (on 12/31/12)	No.	per 100,000	1 in X
HIV without AIDS	12,928	262.6	
HIV with AIDS	16,050	326.0	
Total HIV	28,978	588.5	170

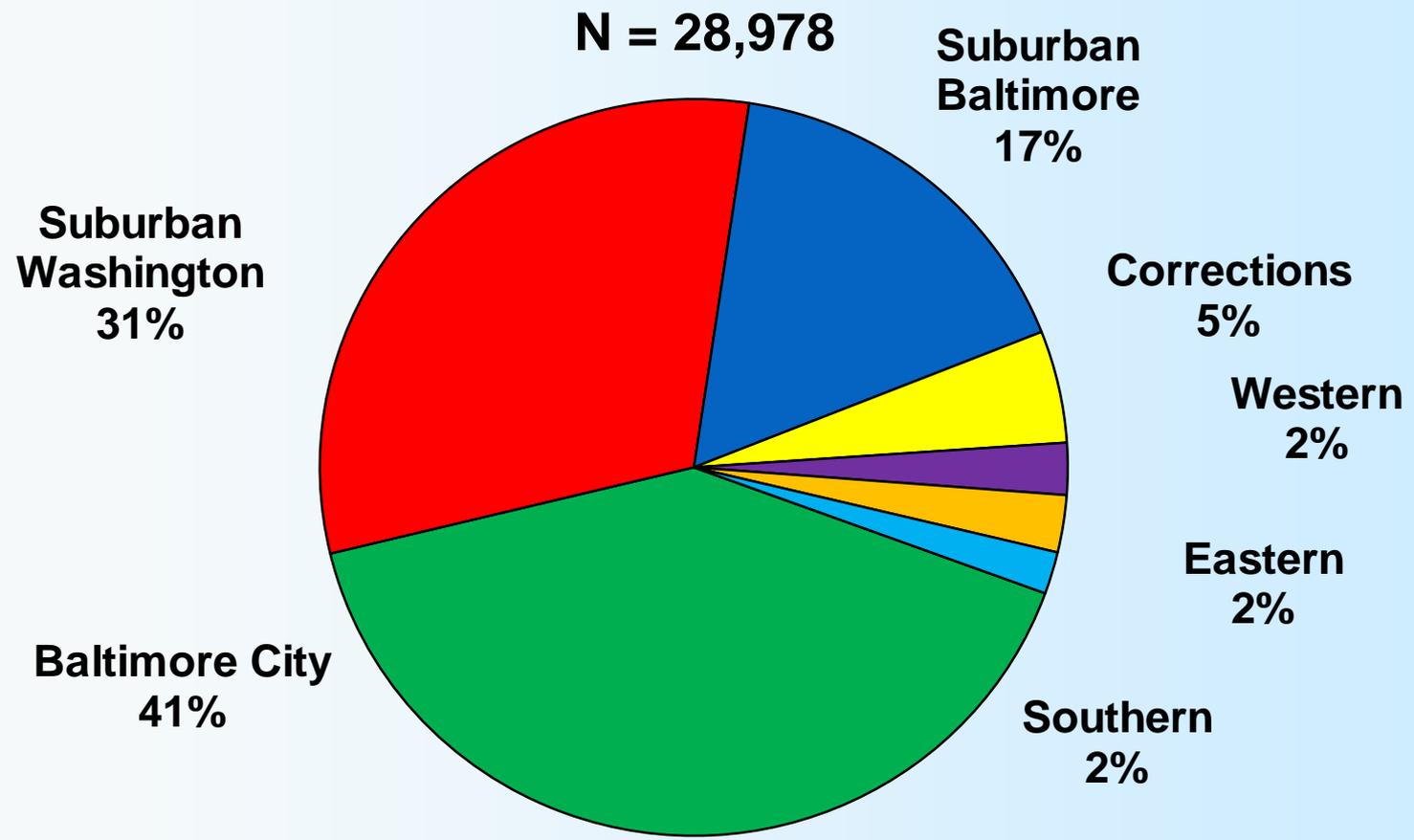
Using data as reported through 12/31/2013



# Maryland Regional Advisory Committee Regions



# Maryland Adult/Adolescent Living HIV Cases by Region, 12/31/12



Using data as reported through 12/31/2013

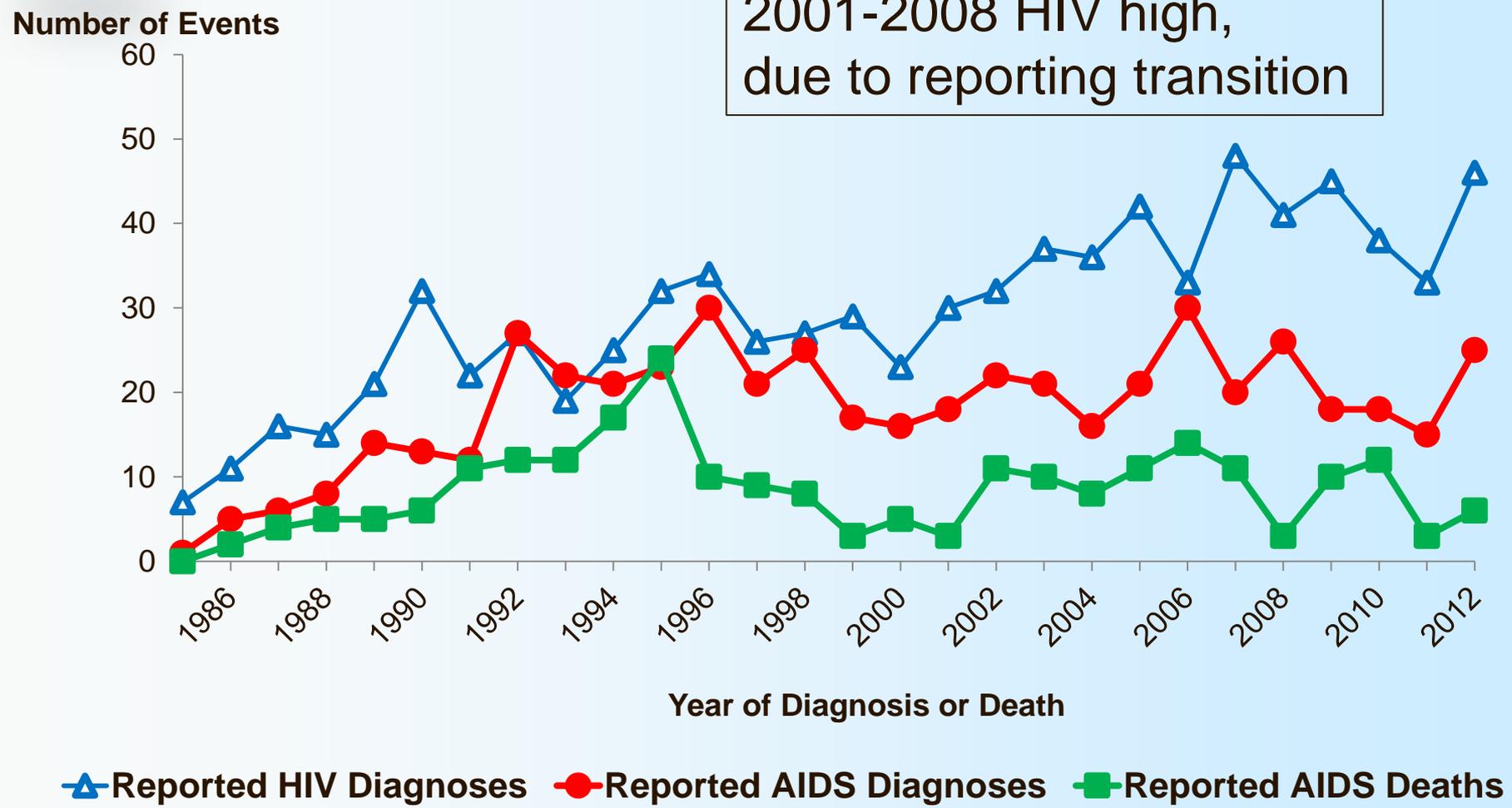


# Regional Data

# HIV/AIDS Trends Southern Region



2001-2008 HIV high,  
due to reporting transition

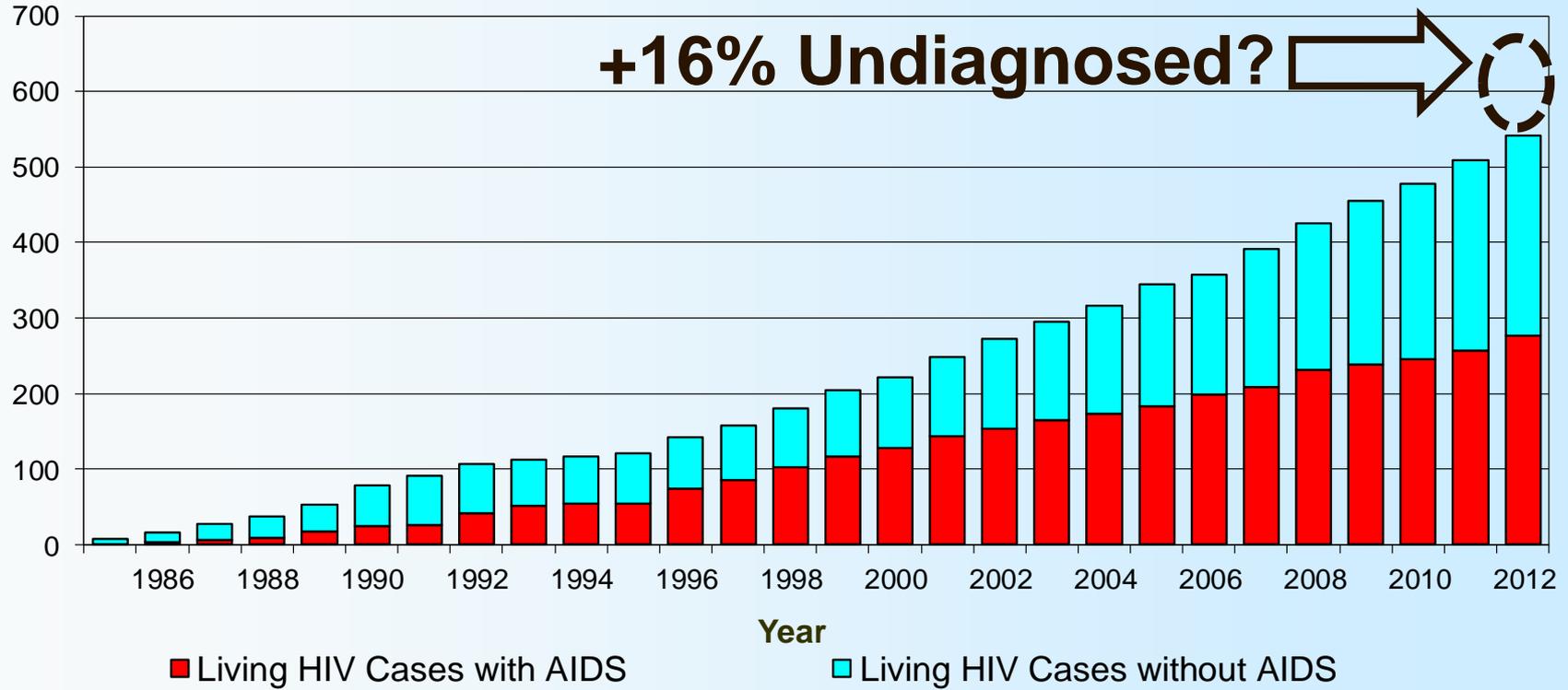


Using data as reported through 12/31/2013

# Living HIV Cases Southern Region



Number of Cases



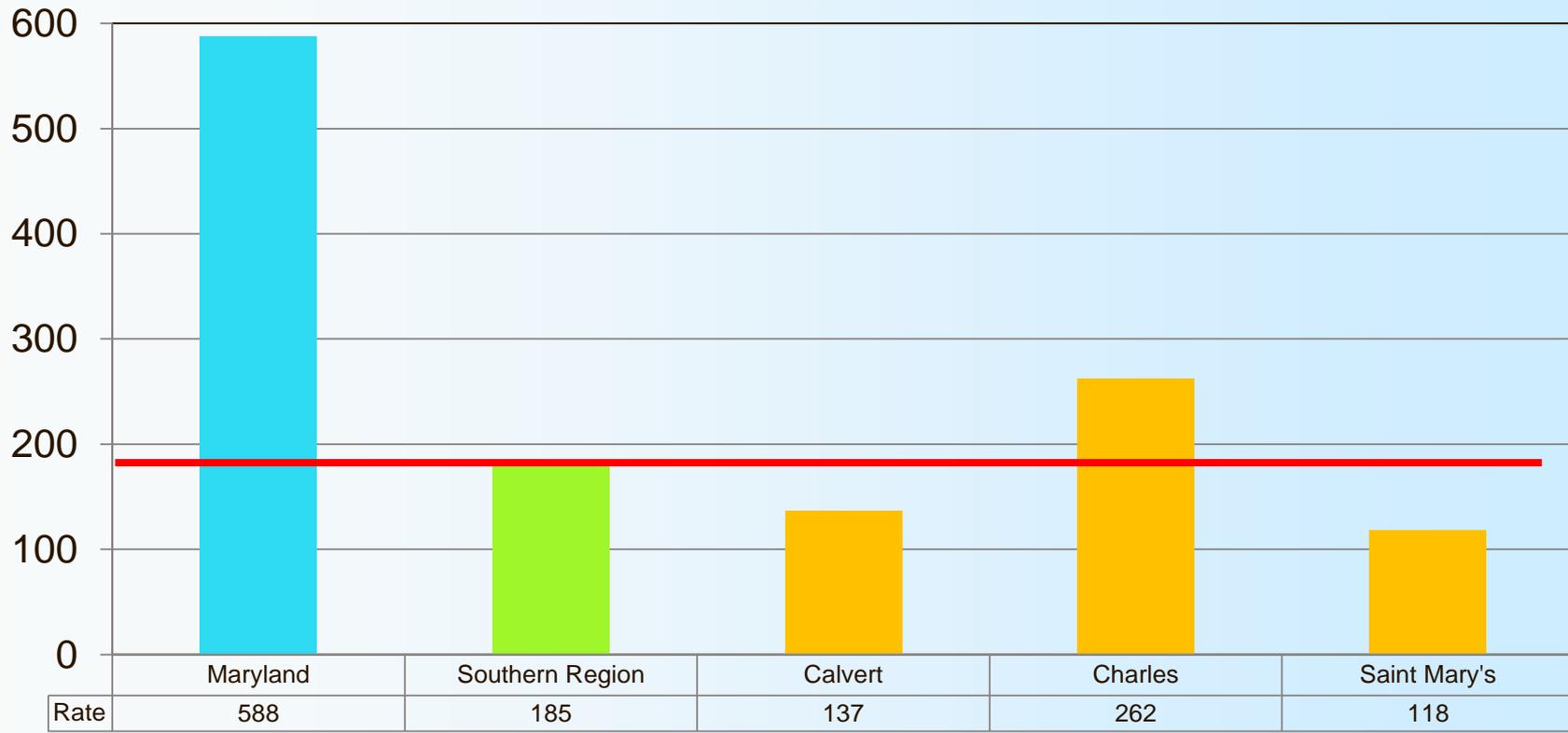
Using data as reported through 12/31/2013

# HIV Statistics Adult/Adolescent Cases, Southern Region



	HIV Diagnoses during 2012	Living HIV Cases on 12/31/2012
Southern Region	45	534
Calvert	7	102
Charles	27	327
Saint Mary's	11	105

# Living Adult/Adolescent HIV Case Rates per 100,000 Population by County, Southern Region, 12/31/12



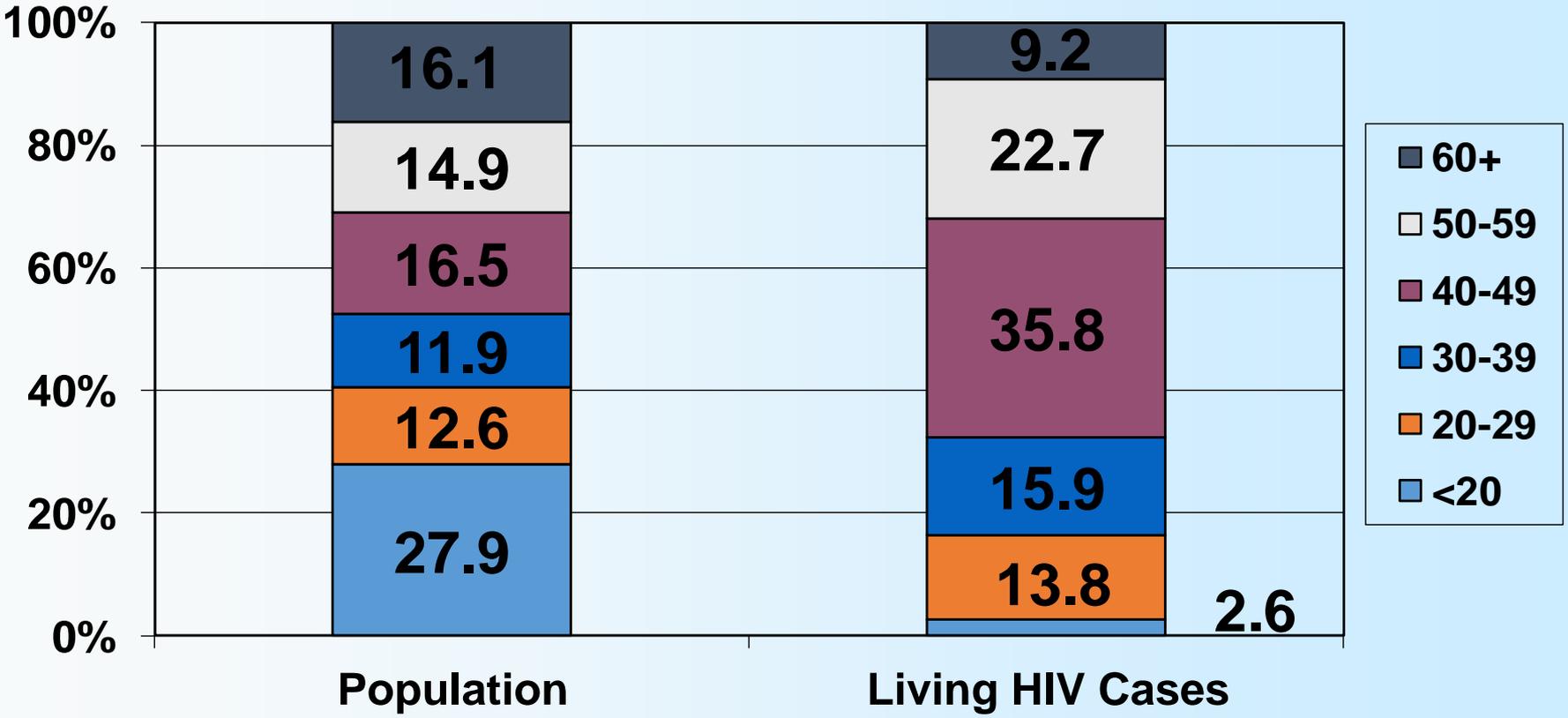
Population on 7/1/12. Cases on 12/31/12  
as reported through 12/31/13

# 2012 STI Cases, Southern Region



	Chlamydia	Gonorrhea	P&S Syphilis
Southern Region	1,410	229	10
Calvert	269	25	2
Charles	839	155	5
Saint Mary's	302	49	3

# Population and Living HIV Cases by Age, Southern Region

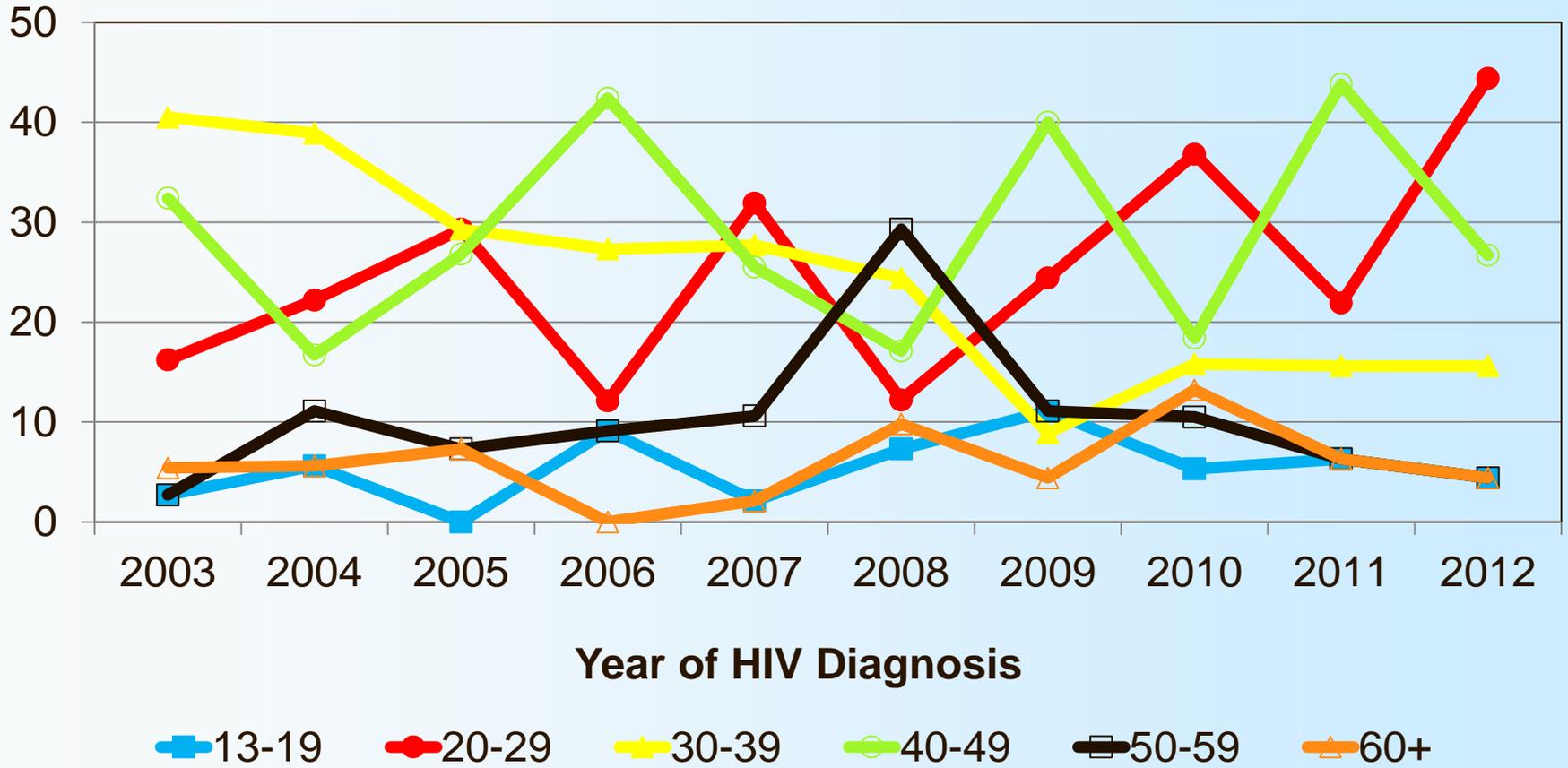


Population on 7/1/12, Cases on 12/31/12  
as reported through 12/31/13

# Adult/Adolescent HIV Diagnosis Trends by Age at Diagnosis, Southern Region

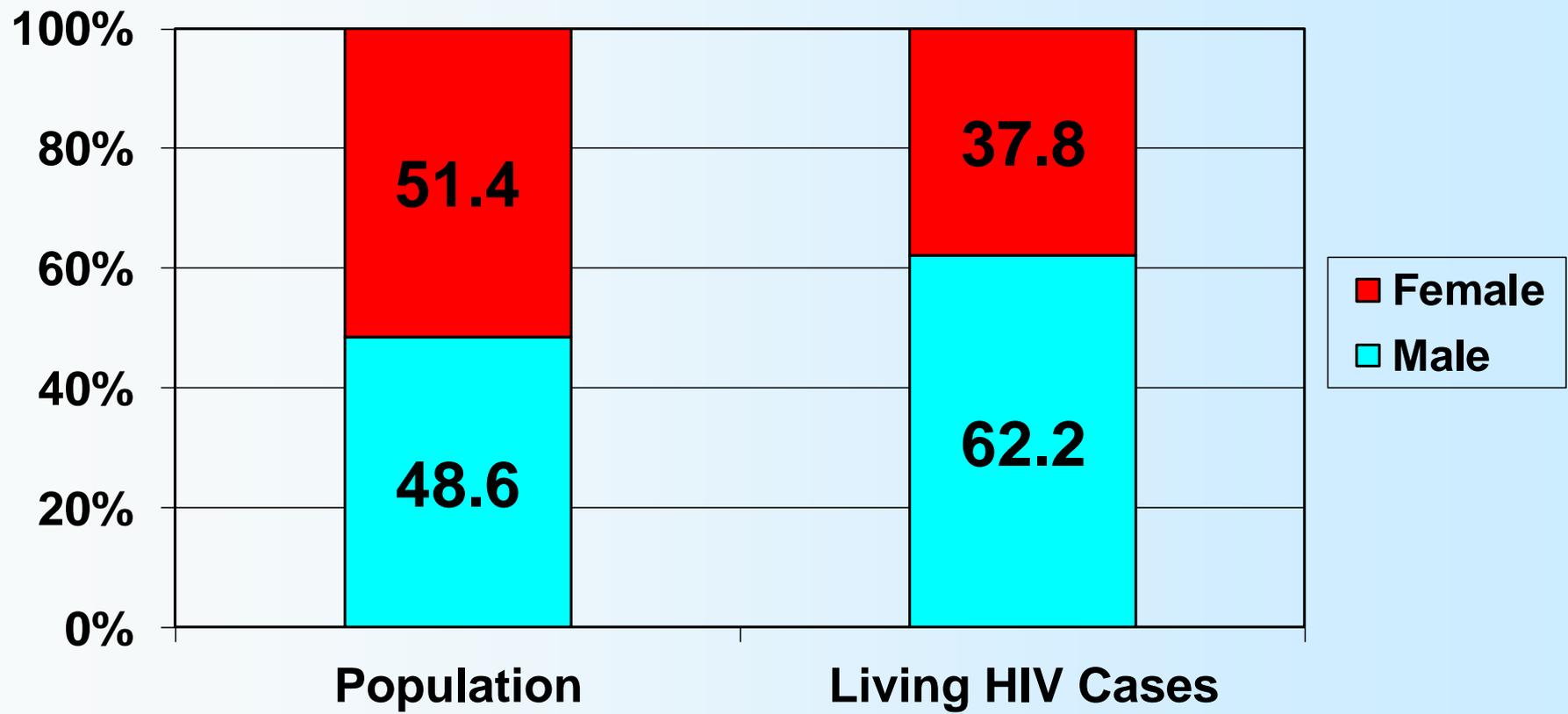


Percent



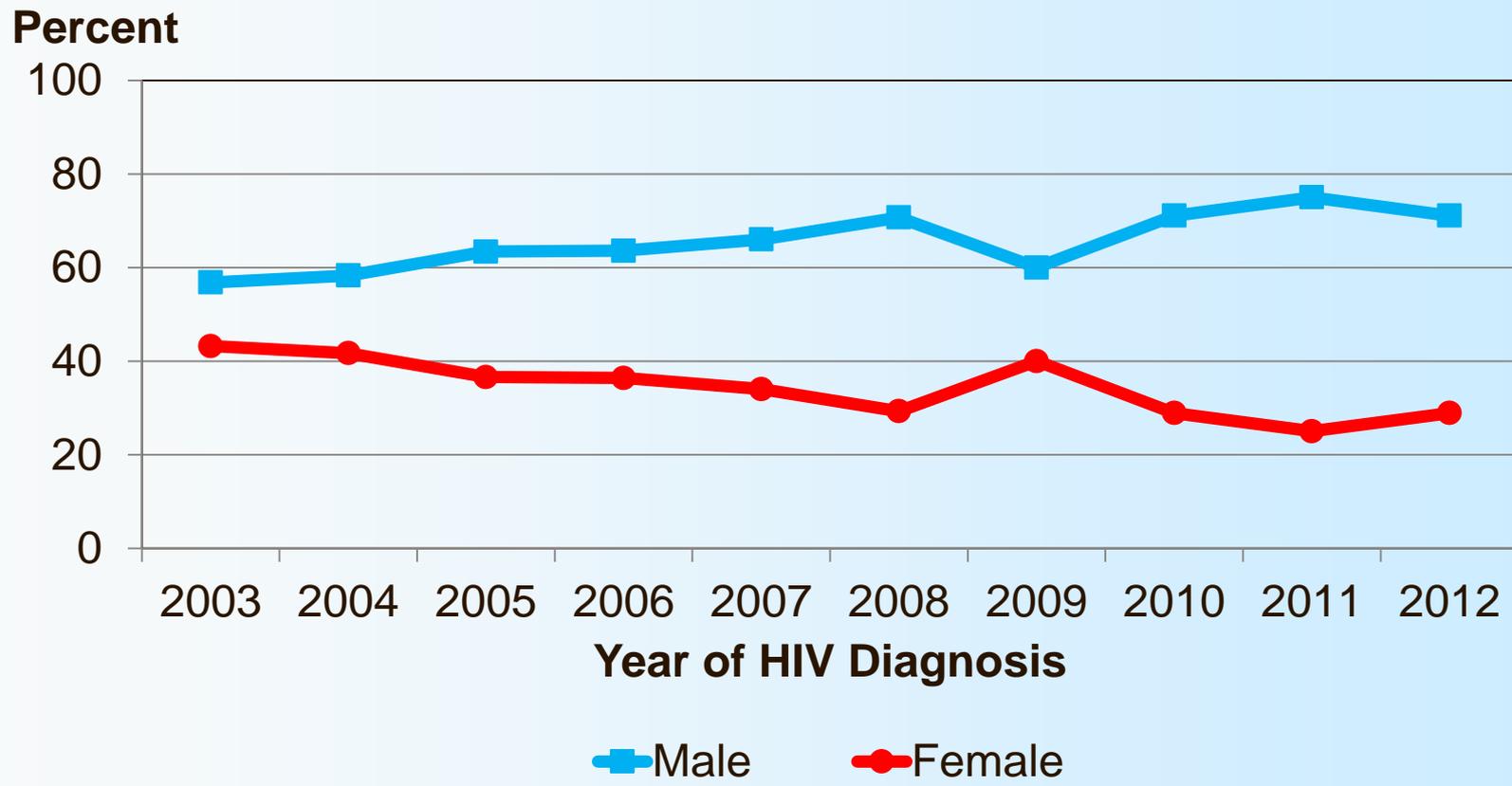
Using data as reported through 12/31/2013

# Adult/Adolescent Population and Living HIV Cases by Sex at Birth Southern Region



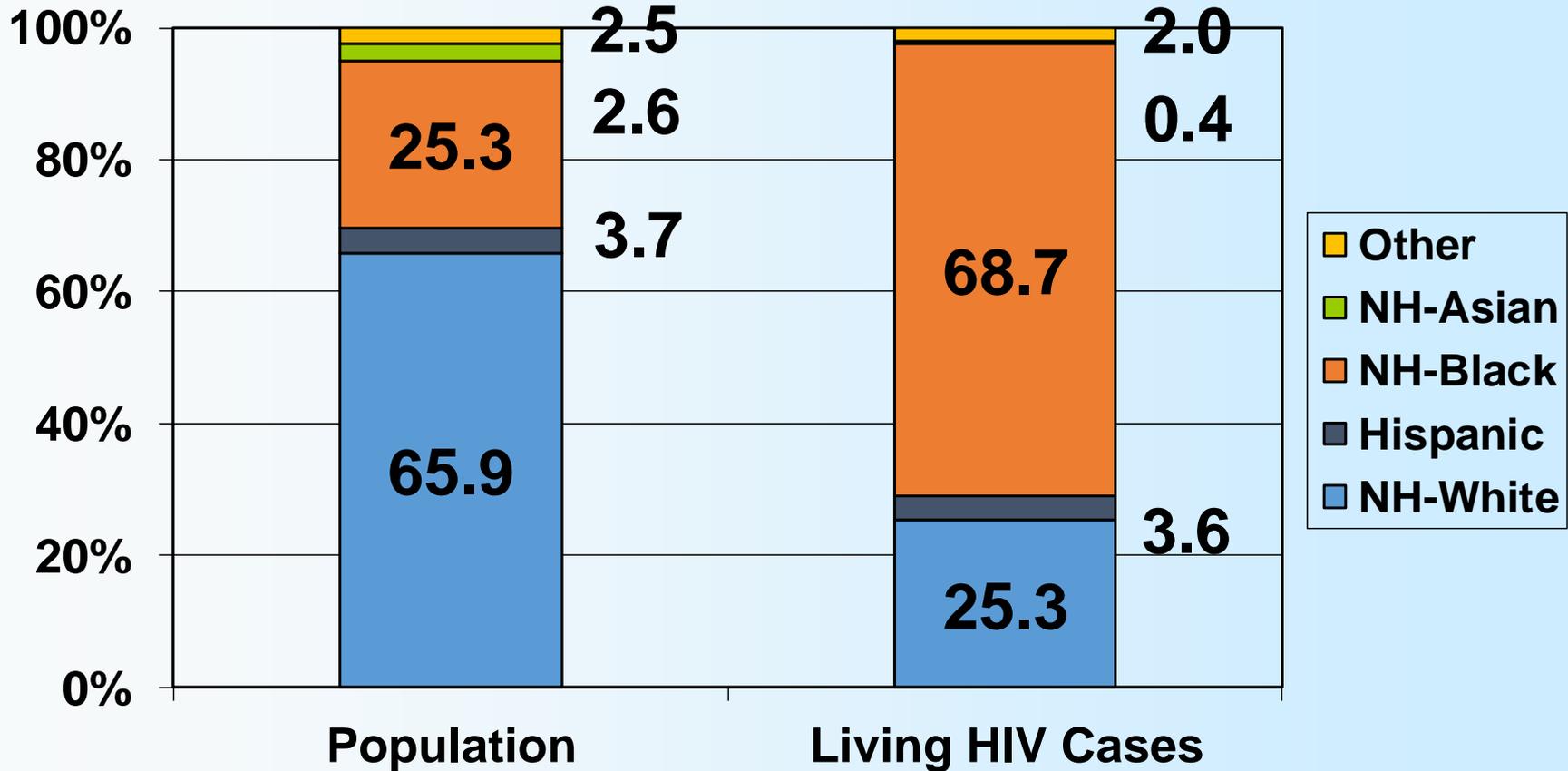
Population on 7/1/12, Cases on 12/31/12 as reported through 12/31/13

# Adult/Adolescent HIV Diagnosis Trends by Sex at Birth, Southern Region



Using data as reported through 12/31/2013

# Adult/Adolescent Population and Living HIV Cases by Race/ Ethnicity, Southern Region

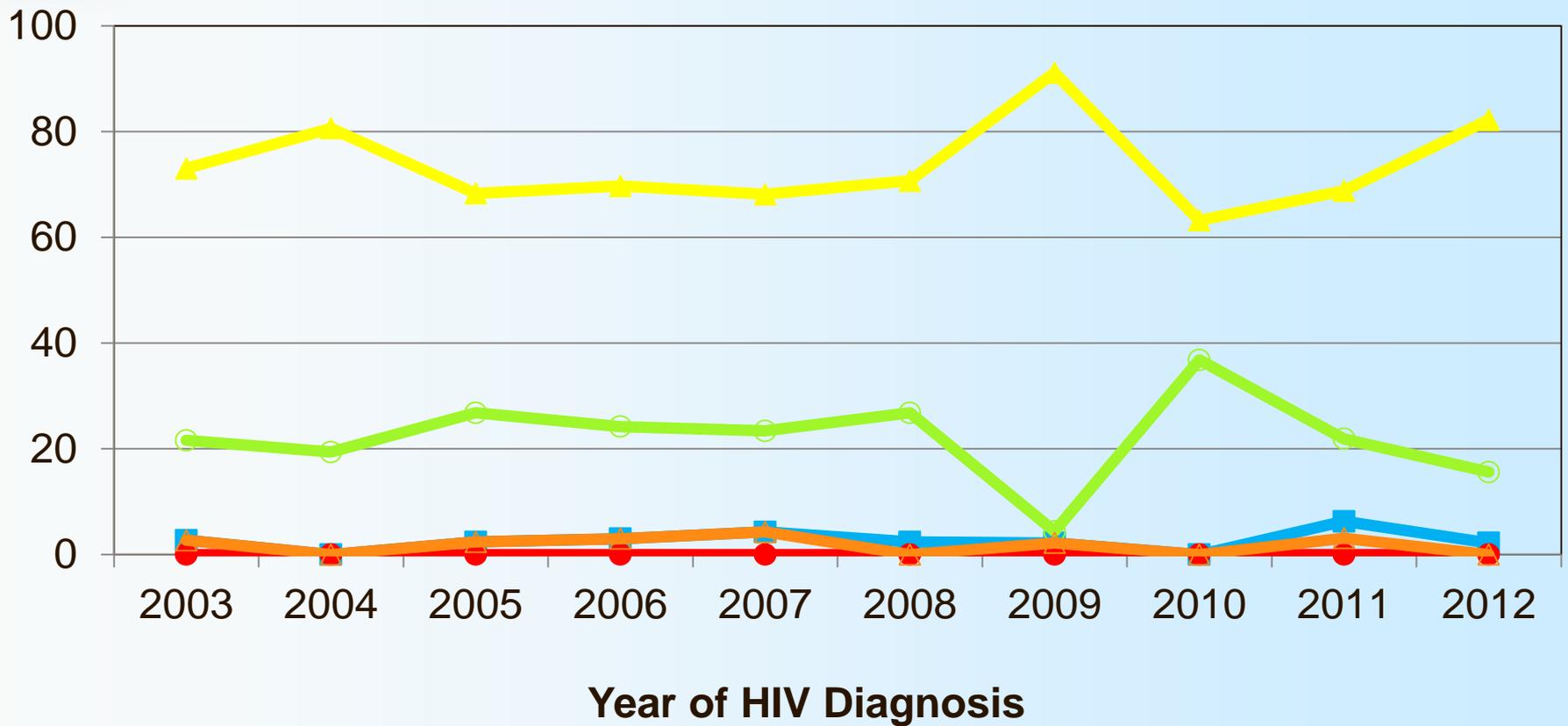


Population on 7/1/12, Cases on 12/31/12  
as reported through 12/31/13

# Adult/Adolescent HIV Diagnosis Trends by Race/ Ethnicity, Southern Region



Percent



■ Hispanic    
 ● NH-Asian    
 ▲ NH-Black    
 ○ NH-White    
 ▲ NH-Other

Using data as reported through 12/31/2013



# Exposure Categories

**MSM:** Men who have Sex with Men

**IDU:** Injection Drug Use

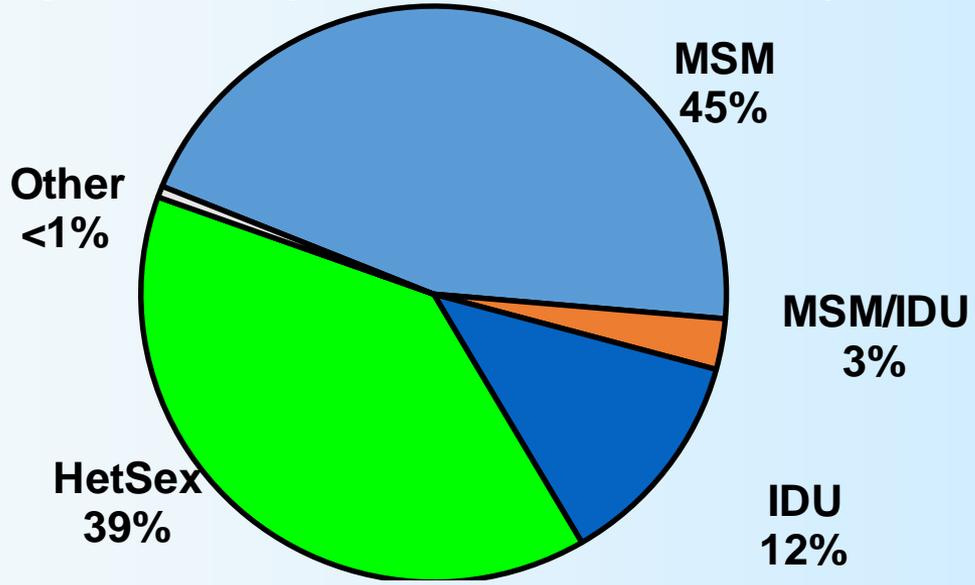
**MSM/IDU:** Men who have Sex with Men AND Inject Drugs

**HetSex:** Heterosexual Contact with a Person that has or is at Risk for HIV Infection



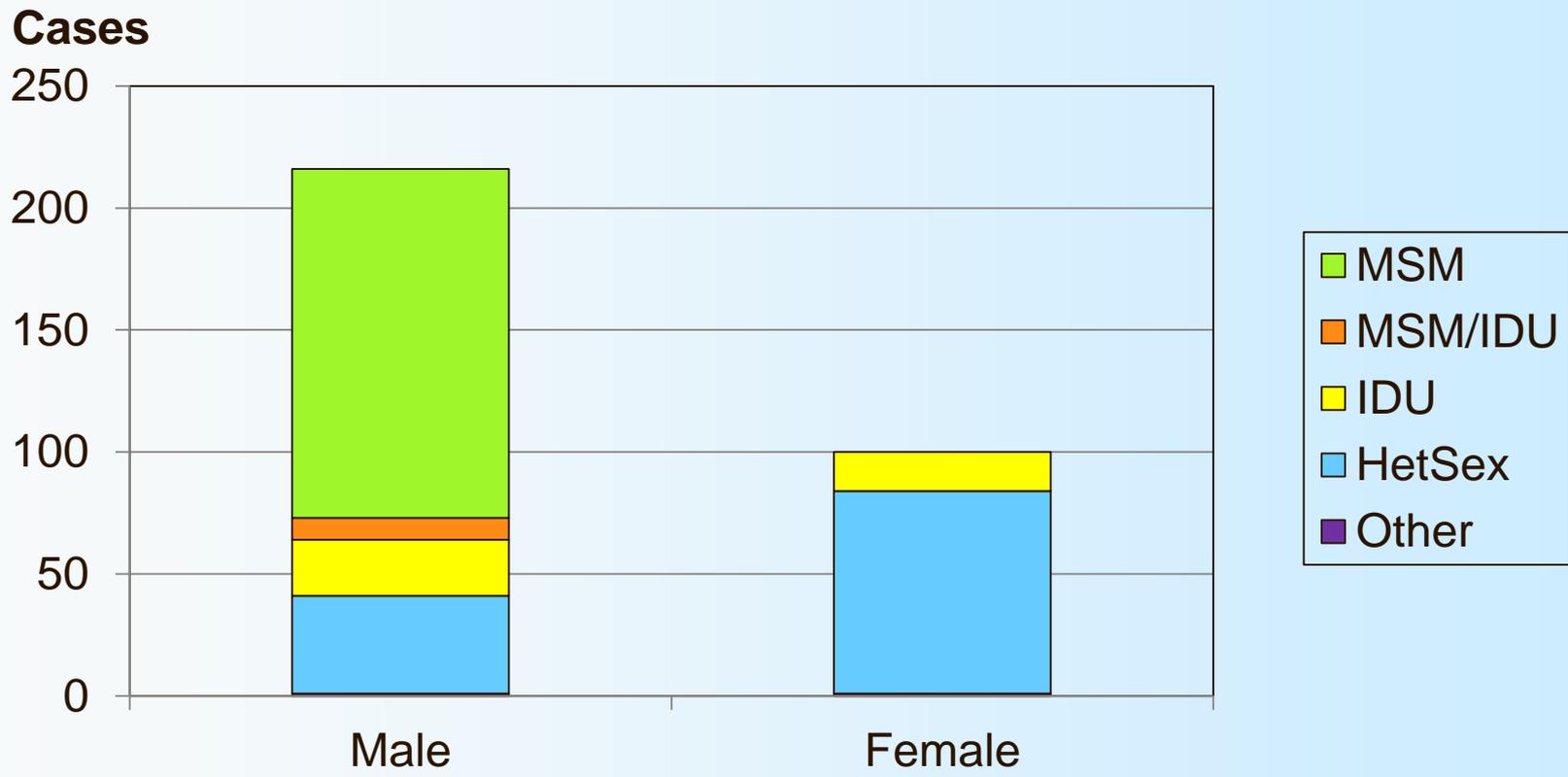
# Living Adult/Adolescent HIV Cases 12/31/12 by Exposure Category, Southern Region

**N (with Risk) = 316 (59% of Total)**



Using data as reported through 12/31/2013

# Living Adult/Adolescent HIV Cases 12/31/12 by Exposure Category and Sex at Birth Southern Region

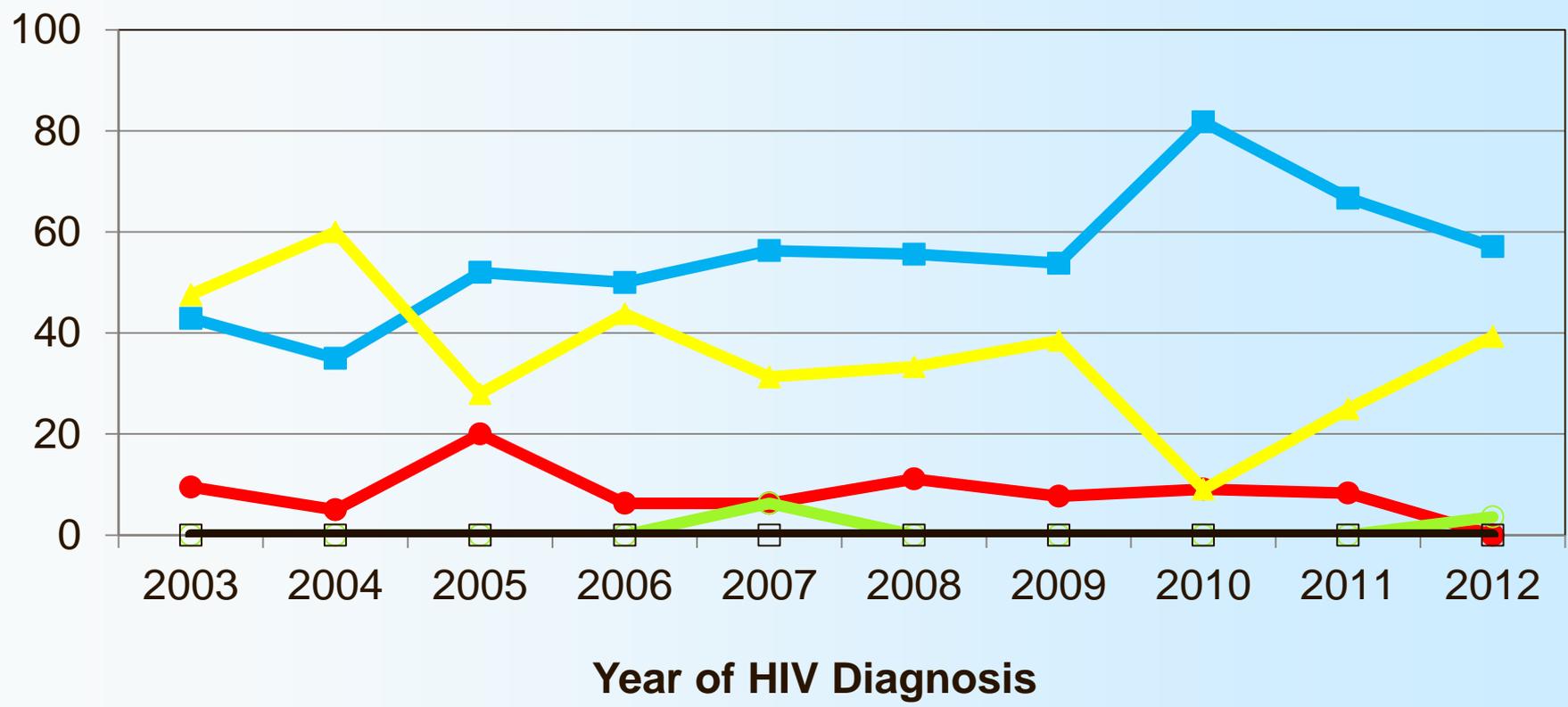


Using data as reported through 12/31/2013

# Reported Adult/Adolescent HIV Diagnoses, Exposure Category Trends, Southern Region

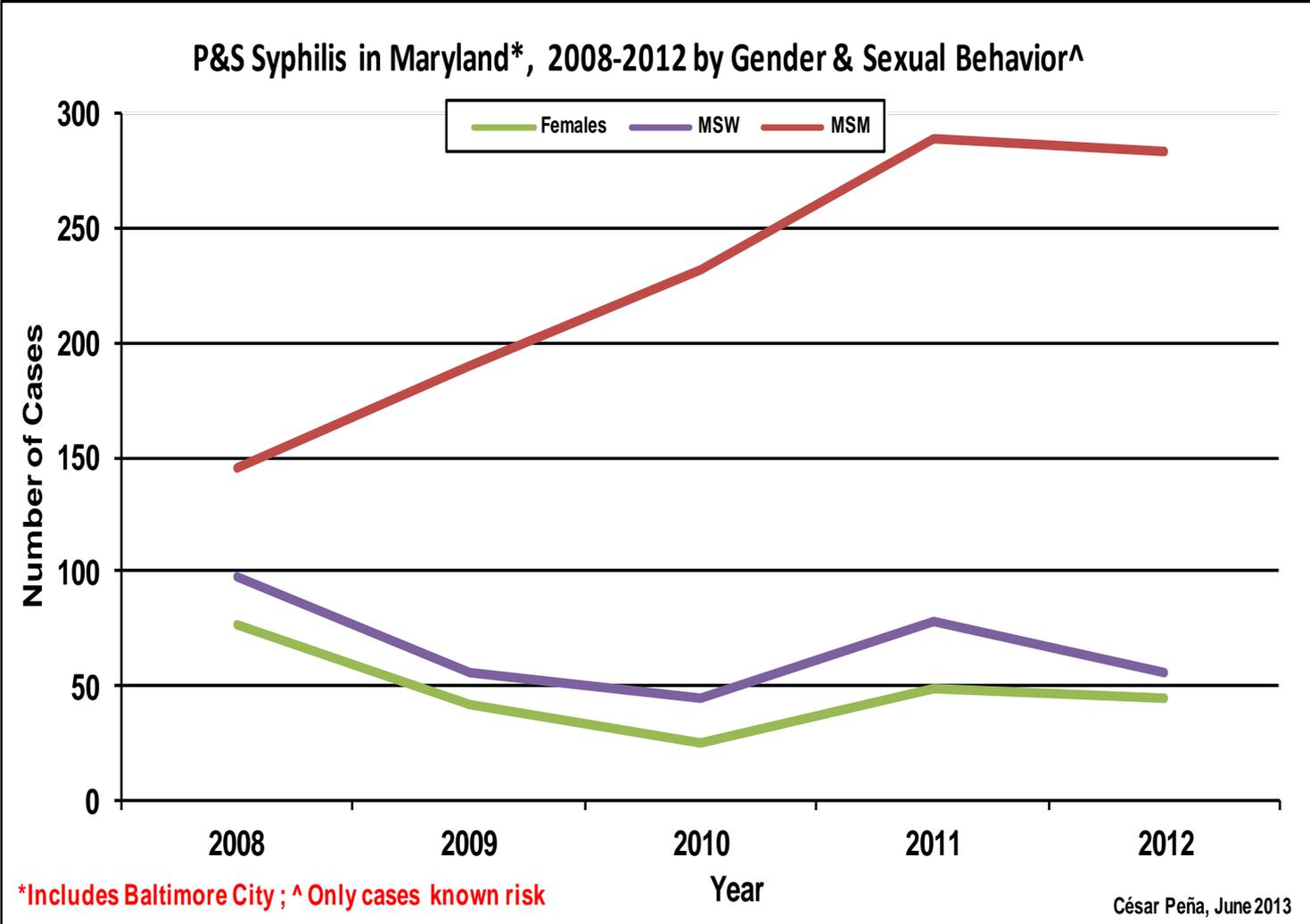


Percent



■ MSM    
 ● IDU    
 ▲ HetSex    
 ○ MSM/IDU    
 ■ Other

Using data as reported through 12/31/2013

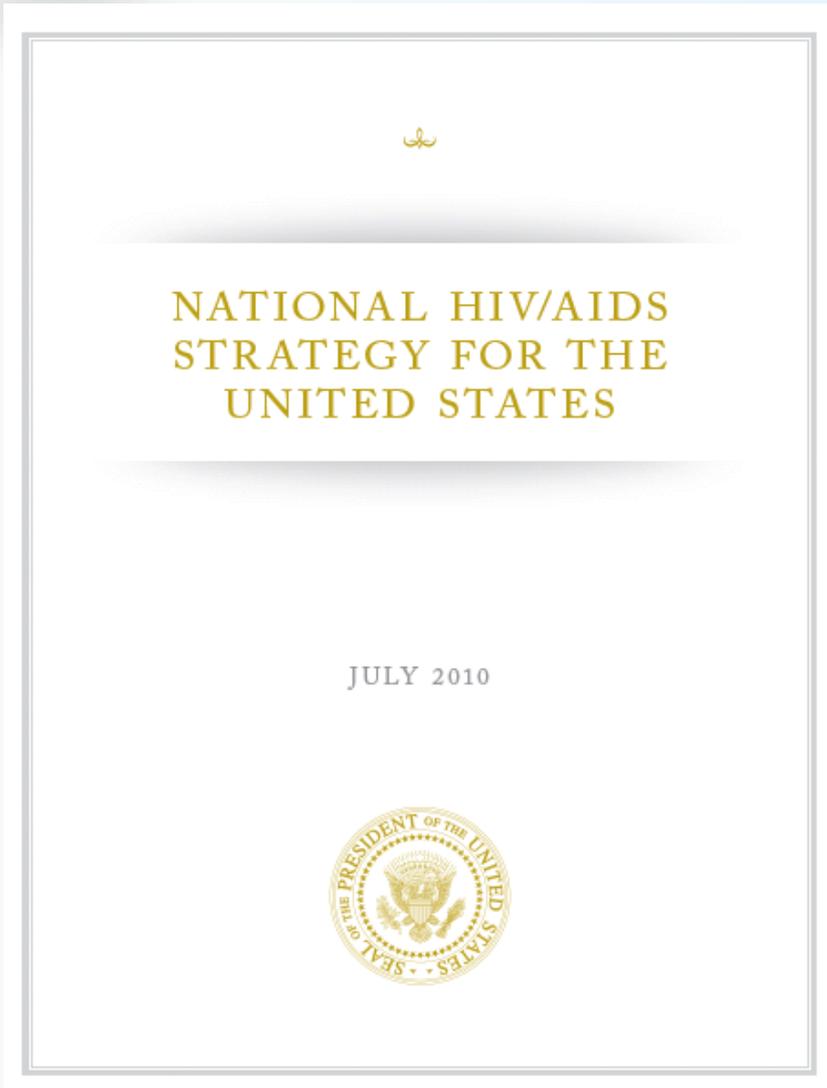


Source: Center for STI Prevention, Maryland DHMH

# NHAS 2010



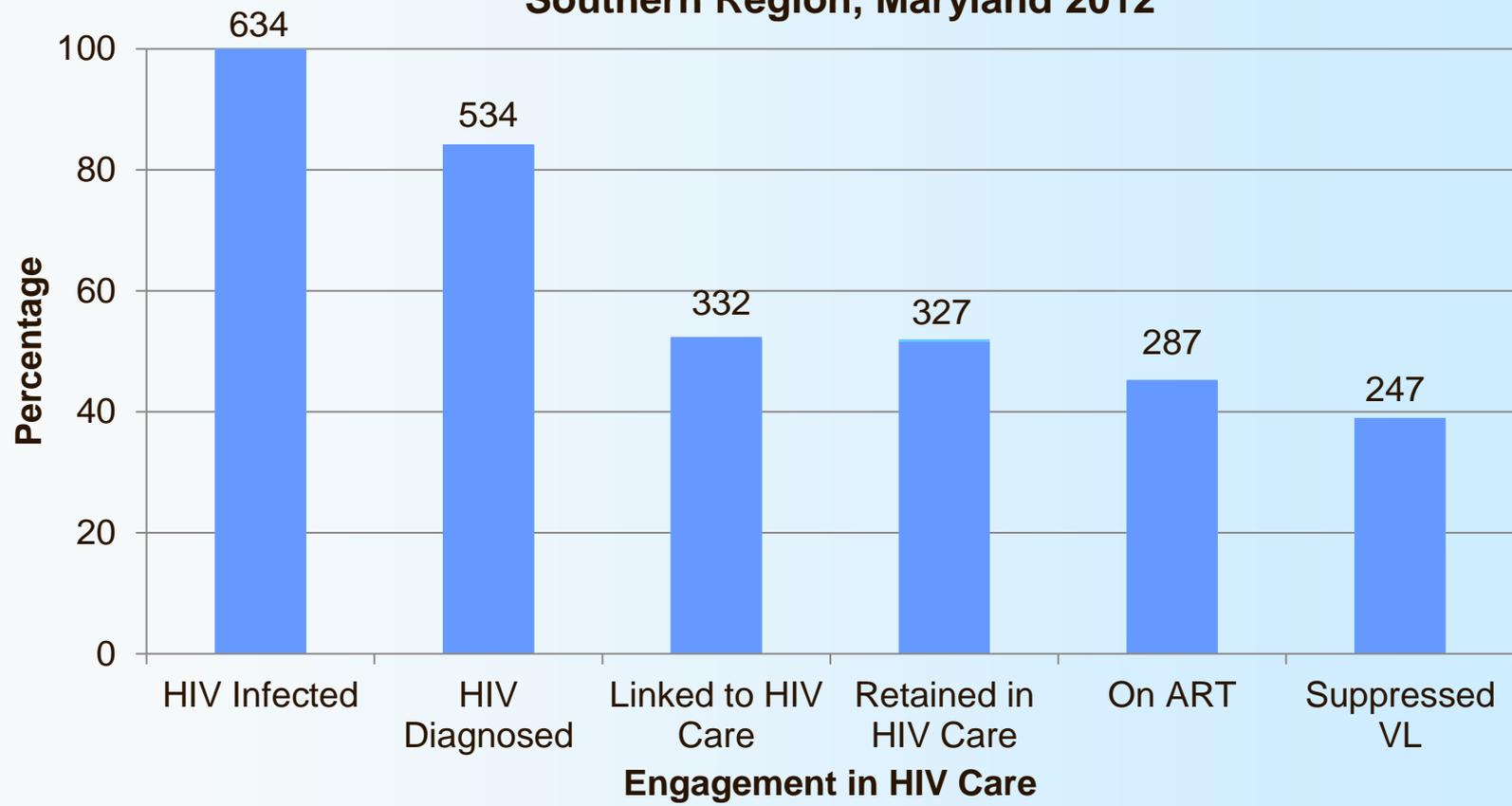
- Reducing new HIV infections
- Increasing access to care and improving health outcomes for people living with HIV
- Reducing HIV-related disparities and health inequities





# Continuum of Care

**Estimated number and percentage of HIV infected adults/ adolescents engaged in selected stages of the continuum of care, Southern Region, Maryland 2012**



Using data as reported through 12/31/2013

# HIV Statistics

## Adult/Adolescent Cases

### Southern Region



	HIV Diagnoses during 2012	Linked to Care within 3 months of Diagnosis	Living HIV Cases on 12/31/2012	Retained in Care	Viral Suppression
Southern	45	62.2%	534	61.2%	46.3%
Calvert	7	85.7%	102	65.7%	52.0%
Charles	27	55.6%	327	60.2%	45.3%
Saint Mary's	11	63.6%	105	60.0%	43.8%

Using data as reported through 12/31/2013



# Regional Summary

# HIV/AIDS in the Southern Region



- There were 534 living adult/adolescent HIV cases at the end of 2012
- There were 45 reported adult/adolescent HIV diagnoses during 2012
- Charles County (61%) had the greatest share of living cases
- Rates of living cases were higher than the Western Region average in Charles and lower in Calvert and Saint Mary's

# HIV/AIDS in the Southern Region: Demographics



- Persons 30-59 years old were disproportionately affected (74% vs. 43%), but the proportions were decreasing among 30-39 year olds
- Males were disproportionately affected (62% of cases vs. 49% of population), and the proportion male was increasing
- Non-Hispanic blacks were disproportionately affected (69% vs. 25%), and the proportions over ten years were unchanged

# HIV/AIDS in the Southern Region: Exposure Category



- Sexual transmission predominates (>84%)
  - Homosexual and heterosexual transmission among men
  - Heterosexual transmission among women
  - Proportion male homosexual was increasing
- Injection drug use is an important route of transmission (>12%), and the proportion IDU was declining



## **Prevention and Health Promotion Administration**

**<http://phpa.dhmh.maryland.gov/oideor/chse>**