



**MARYLAND**  
Department of Health  
and Mental Hygiene



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

**EASTERN REGIONAL HPG MEETING  
MAY 6, 2015**

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**Maryland Department of Health and Mental Hygiene  
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.

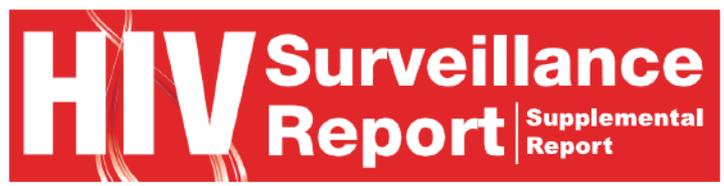
## VISION

- 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 19, Number 3

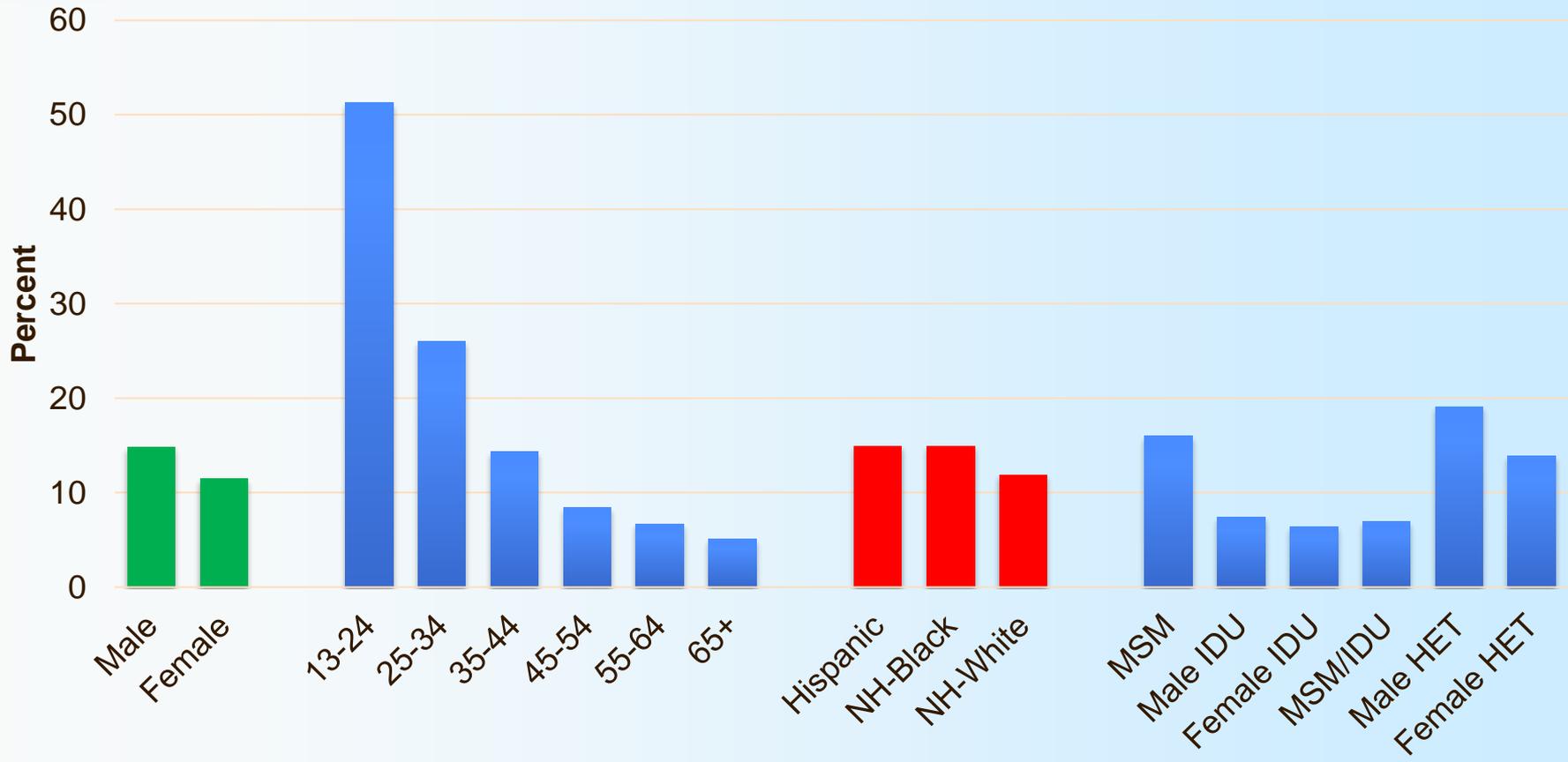
**Monitoring Selected National  
HIV Prevention and Care Objectives  
by Using HIV Surveillance Data—  
United States and  
6 Dependent Areas—2012**

- CDC estimated 1,201,100 adults/adolescents were living with HIV at the end of 2011
- 14.0% were undiagnosed

# Undiagnosed Infections



Estimated percent undiagnosed HIV infections, U.S., age 13+, 2011



# HIV Diagnoses during 2013 Ranked by Estimated Rates



<u>STATE/TERRITORY</u>	<u>Reported Cases</u>	<u>Estimated Cases</u>	<u>Estimated Rate per 100,000</u>
1. District of Columbia	486	612	94.6
<b>2. Maryland</b>	<b>1,401</b>	<b>2,174</b>	<b>36.7</b>
3. Louisiana	1,357	1,399	30.3
4. Georgia	1,877	3,020	30.2
5. Virgin Islands	23	29	28.0
6. Florida	5,200	5,377	27.5
7. New Jersey	1,392	2,177	24.5
8. Puerto Rico	607	761	21.1
9. New York	3,583	3,803	19.4
10. Texas	4,306	4,854	18.4
<i>United States</i>	<i>42,018</i>	<i>48,145</i>	<i>15.0</i>

# HIV Diagnoses during 2013 Ranked by Estimated Rates



<u>METROPOLITAN AREA</u>	<u>Reported</u> <u>Cases</u>	<u>Estimated</u> <u>Cases</u>	<u>Rate per</u> <u>100,000</u>
1. Miami-Fort Lauderdale-West Palm Beach, FL	2,502	2,582	44.3
2. New Orleans-Metairie, LA	521	538	43.4
<b>3. Baltimore-Columbia-Towson, MD</b>	<b>650</b>	<b>1,010</b>	<b>36.5</b>
4. Baton Rouge, LA	288	297	36.2
5. Atlanta-Sandy Springs-Roswell, GA	1,214	1,919	34.7
<b>6. Washington-Arlington-Alexandria, DC-VA-MD-WV</b>	<b>1,482</b>	<b>1,995</b>	<b>33.5</b>
7. Memphis, TN-MS-AR	393	413	30.8
8. Jackson, MS	164	170	29.5
9. Jacksonville, FL	361	373	26.8
10. Orlando-Kissimmee-Sanford, FL	584	604	26.6
<b>22. Philadelphia-Camden-Wilmington, PA-NJ-DE-MD</b>	<b>1,098</b>	<b>1,225</b>	<b>20.3</b>
<i>United States*</i>	<i>41,994</i>	<i>48,114</i>	<i>15.0</i>

\* 50 states, DC, and Puerto Rico, only.  
CDC. HIV Surveillance Report, 2013. Vol. 25. Table 22.

# Maryland STI Ranking



	2013		
	MD Ranking	MD Rate	U.S. Rate
Syphilis (primary & secondary)	<b>5<sup>th</sup></b>	7.7 (456 cases)	5.5
Gonorrhea	<b>21<sup>st</sup></b>	101.8 (5,989 cases)	106.1
Chlamydia	<b>20<sup>th</sup></b>	454.1 (26,723 cases)	446.6

Syphilis, gonorrhea, and chlamydia rates are cases per 100,000  
 Source: Centers for Disease Control and Prevention



# State Data



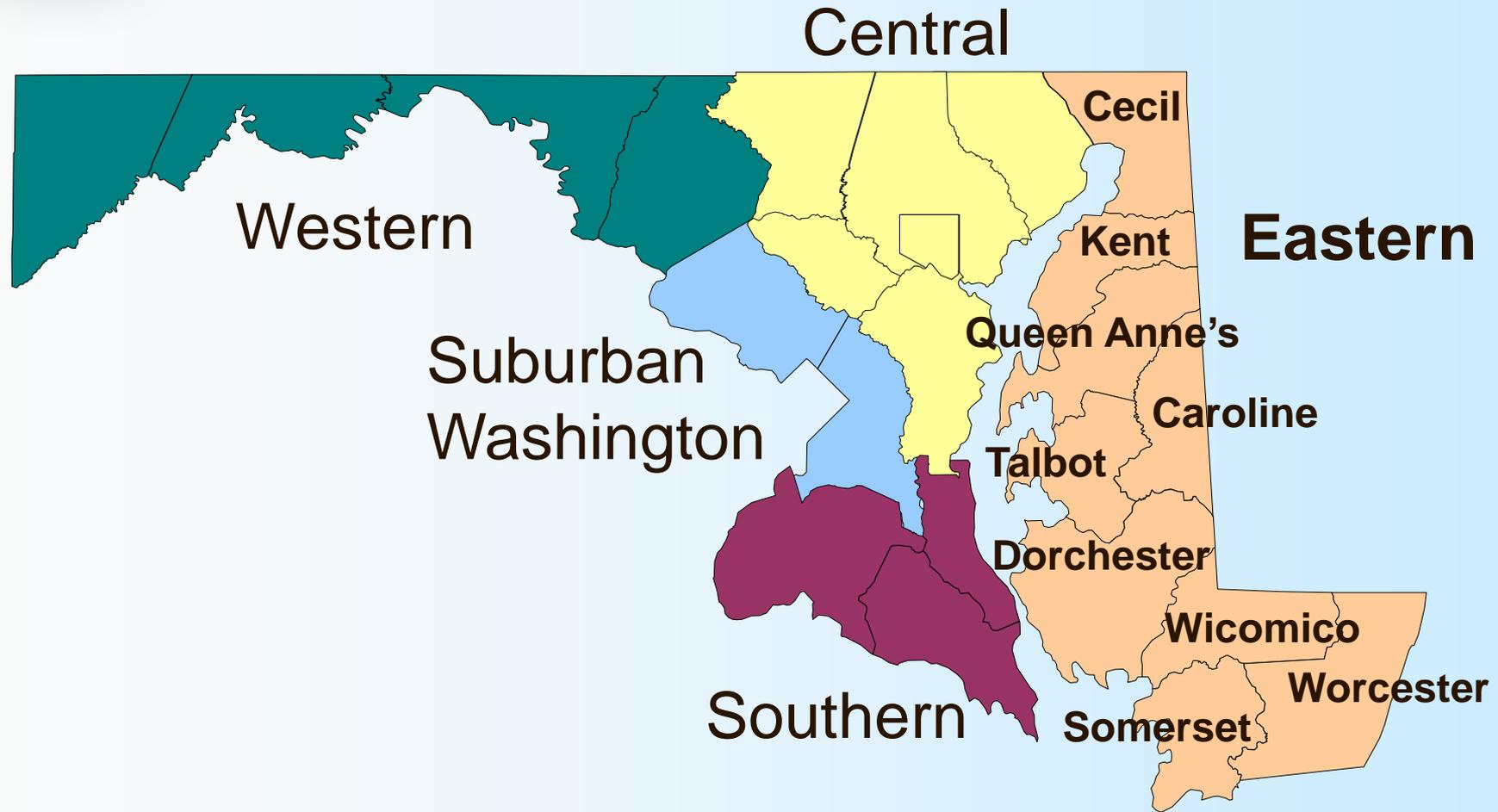
# Maryland Adult/Adolescent HIV Statistics



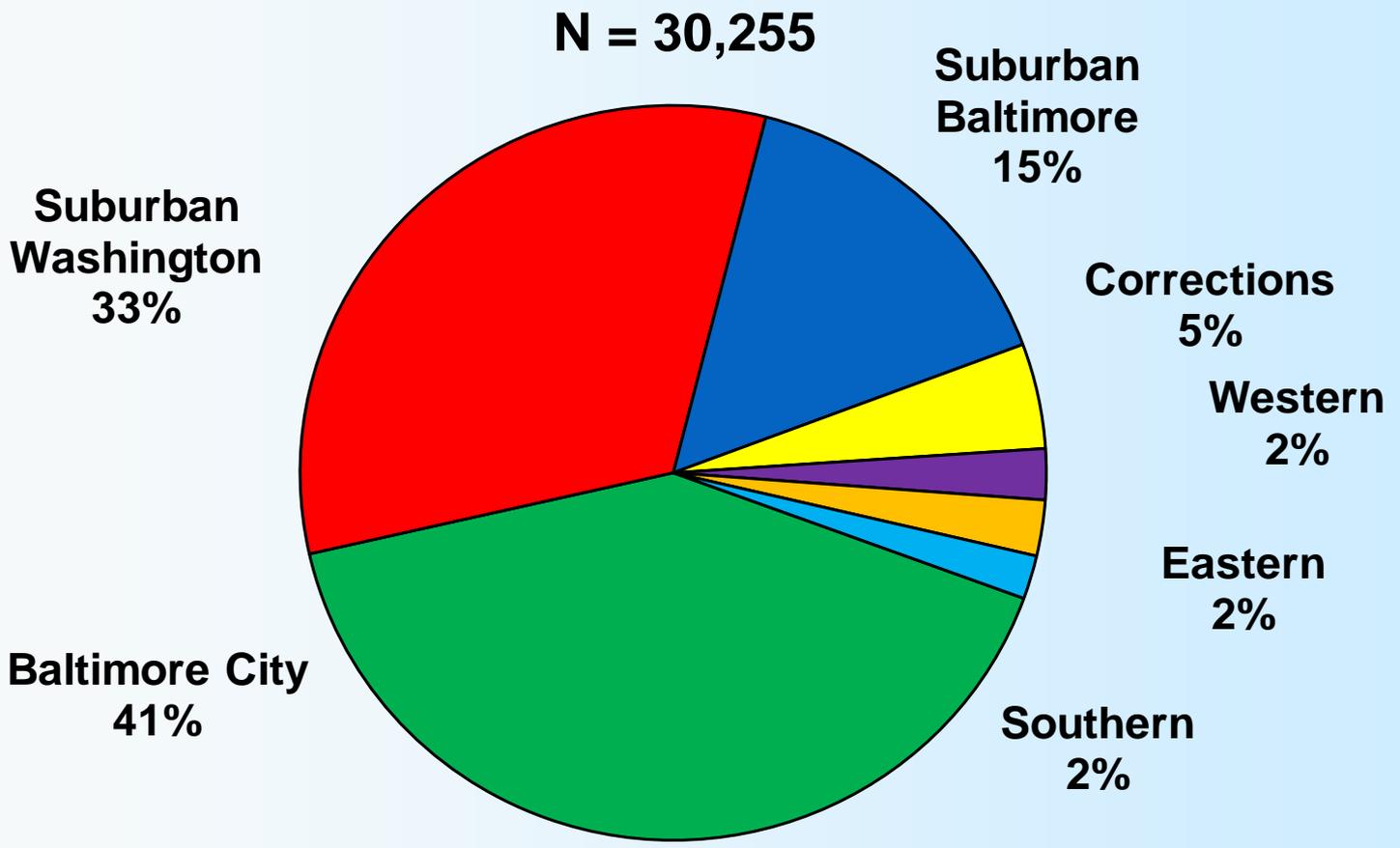
Reported Diagnoses (during 2013)	No.	per 100,000	
HIV	1,394	28.1	
AIDS	945	19.0	
Deaths Among AIDS Cases (during 2013)	No.		
	388		
Living Cases (on 12/31/2013)	No.	per 100,000	1 in X
HIV without AIDS	13,595	273.9	
HIV with AIDS	16,660	335.6	
Total HIV	30,255	609.5	164

Using data as reported through 12/31/2014

# Maryland HIV Planning Group Regions



# Maryland Adult/Adolescent Living HIV Cases by Region, 12/31/13

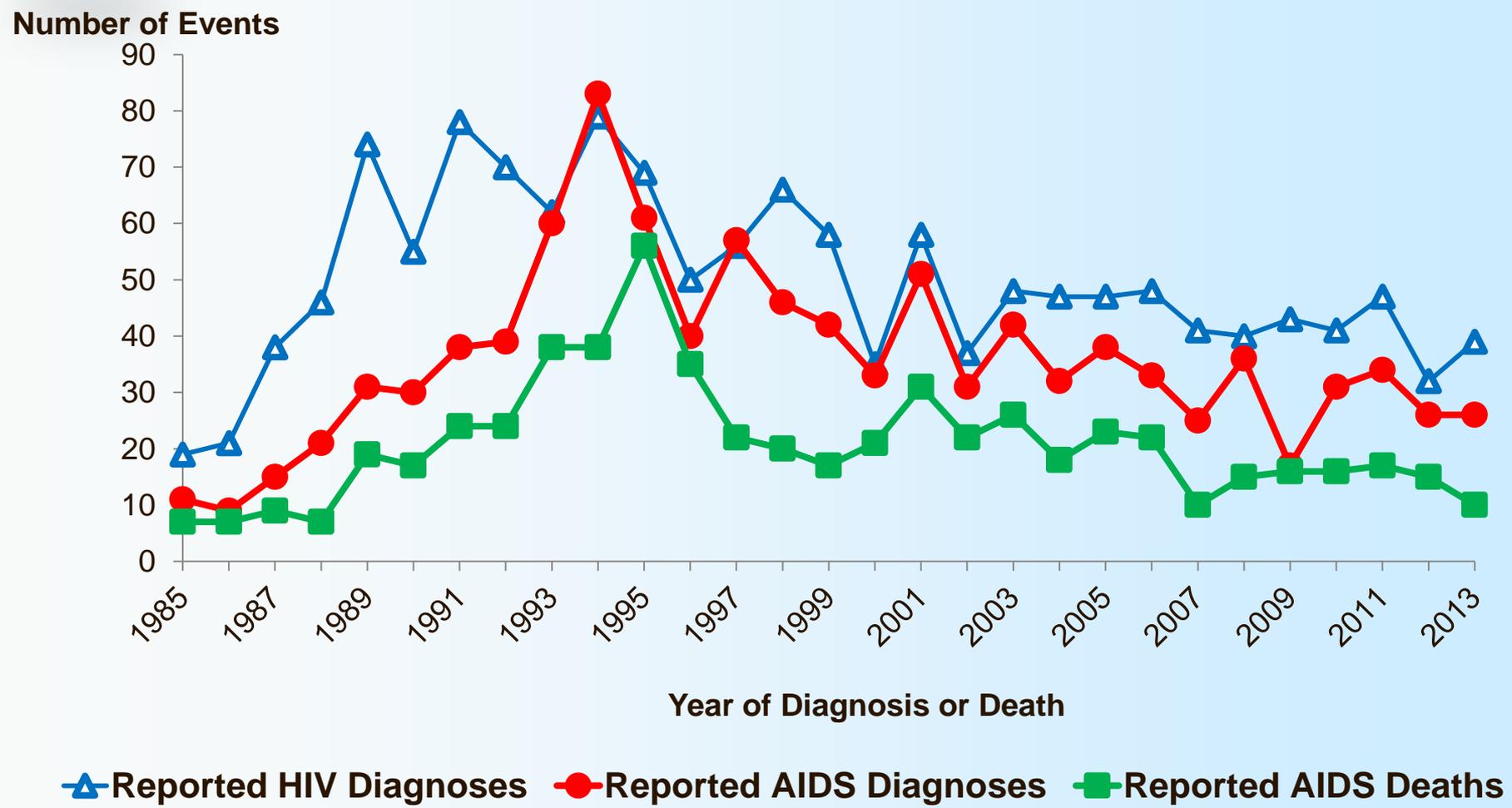


Using data as reported through 12/31/2014



# Regional Data

# HIV/AIDS Trends Eastern Region

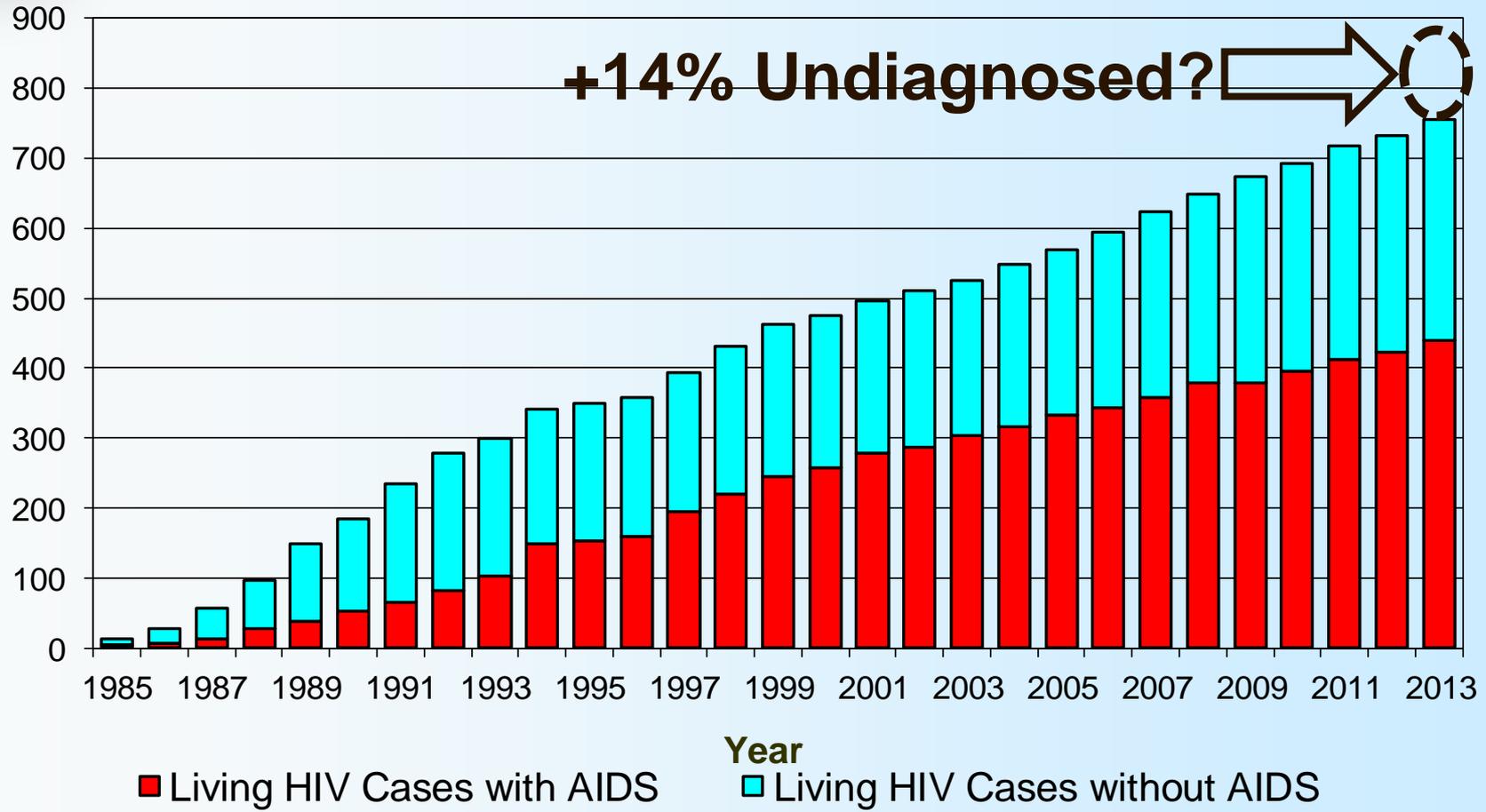


Using data as reported through 12/31/2014

# Living HIV Cases Eastern Region



Number of Cases



Using data as reported through 12/31/2014

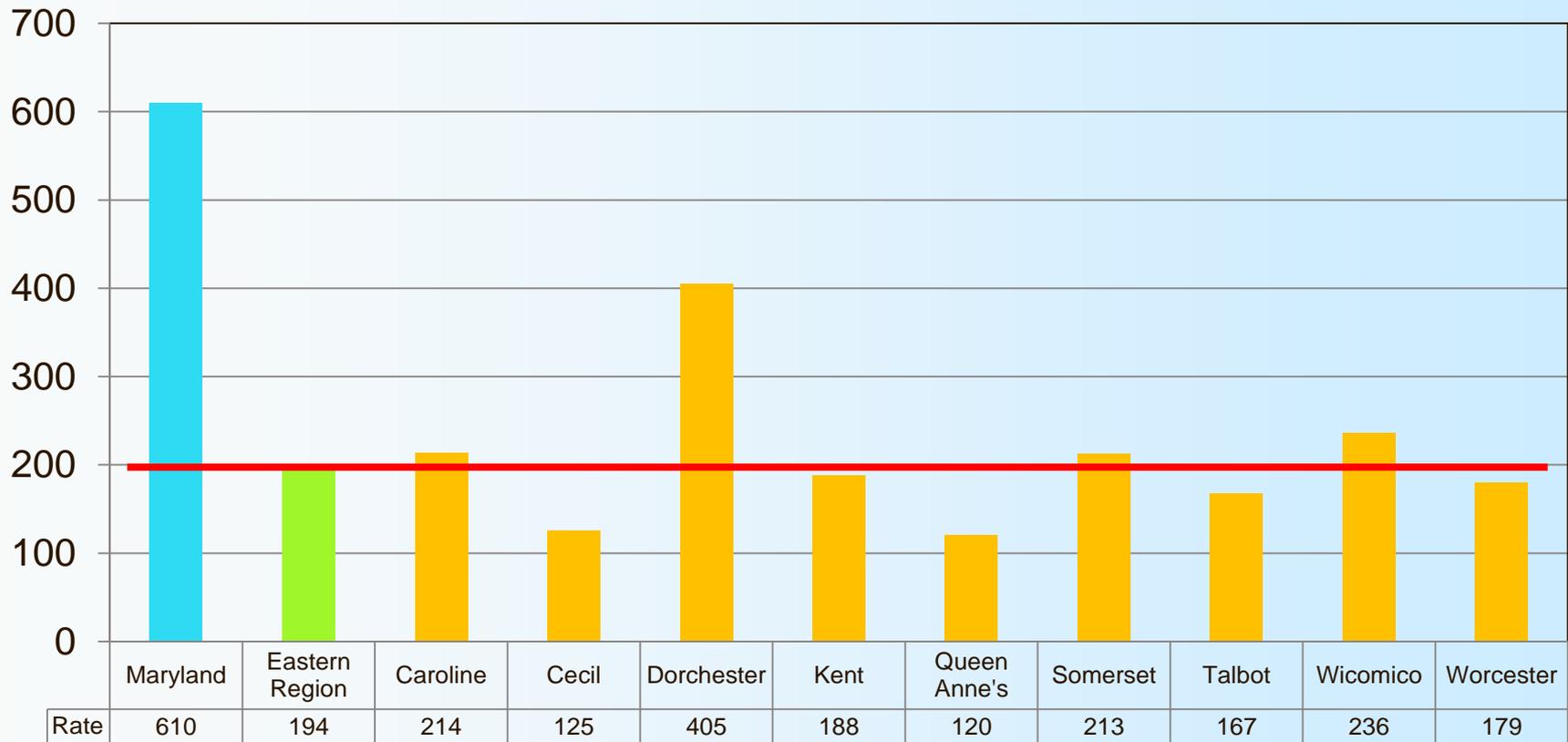
# HIV Statistics Adult/Adolescent Cases, Eastern Region



	HIV Diagnoses during 2013	Living HIV Cases on 12/31/2013
Eastern Region	39	743
Caroline	1	58
Cecil	8	106
Dorchester	4	112
Kent	0	33
Queen Anne's	2	49
Somerset	5	49
Talbot	3	55
Wicomico	14	200
Worcester	2	81

Using data as reported through 12/31/2014

# Living Adult/Adolescent HIV Case Rates per 100,000 Population by County, Eastern Region, 12/31/13



Population on 7/1/13. Cases on 12/31/13 as reported through 12/31/14

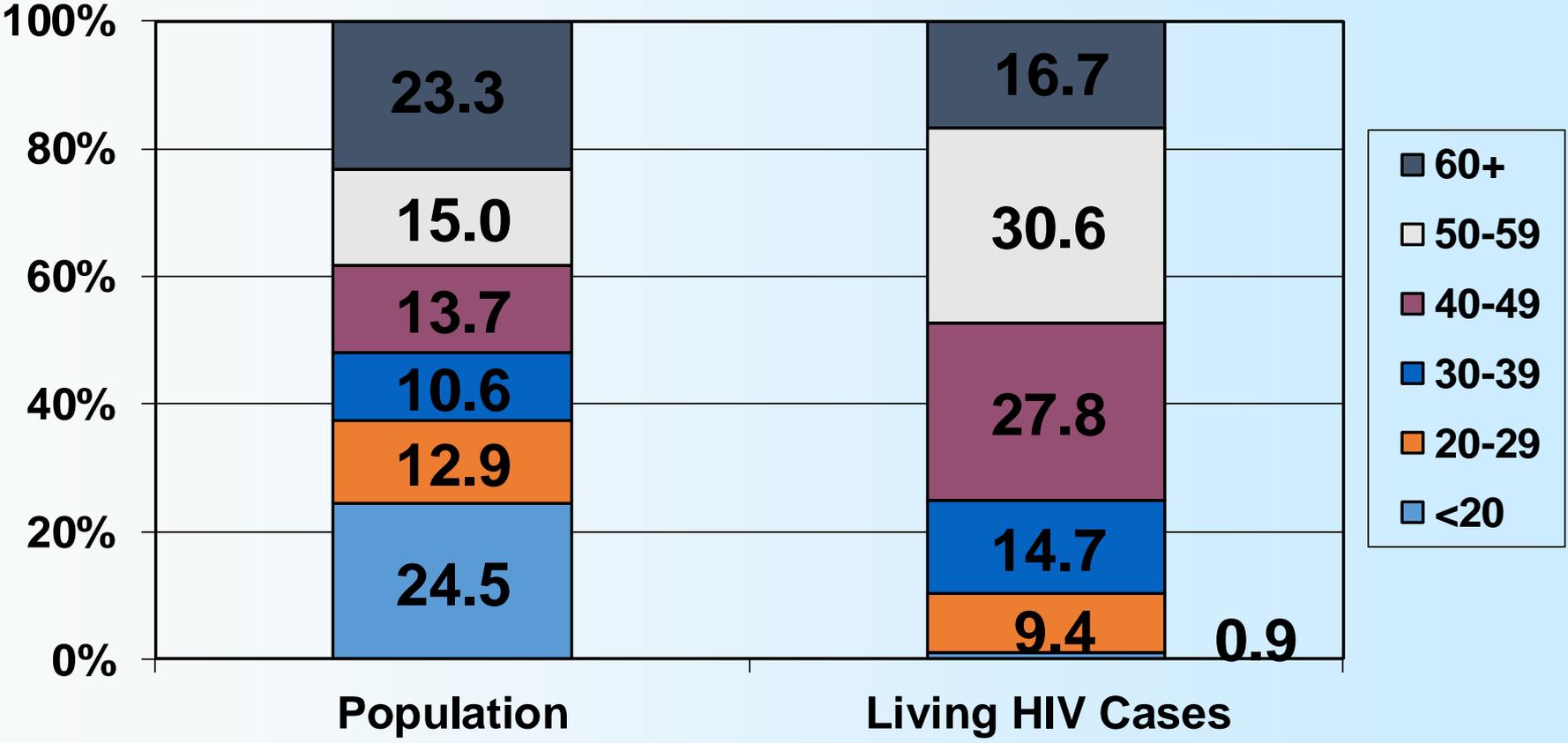
# 2013 STI Cases Eastern Region



	Chlamydia	Gonorrhea	P&S Syphilis
Eastern Region	1,852	396	6
Caroline	106	17	0
Cecil	233	56	1
Dorchester	214	50	1
Kent	57	2	1
Queen Anne's	93	4	1
Somerset	152	26	0
Talbot	125	18	1
Wicomico	649	196	1
Worcester	223	27	0

Source: Center for STI Prevention, Maryland DHMH

# Population and Living HIV Cases by Age, Eastern Region

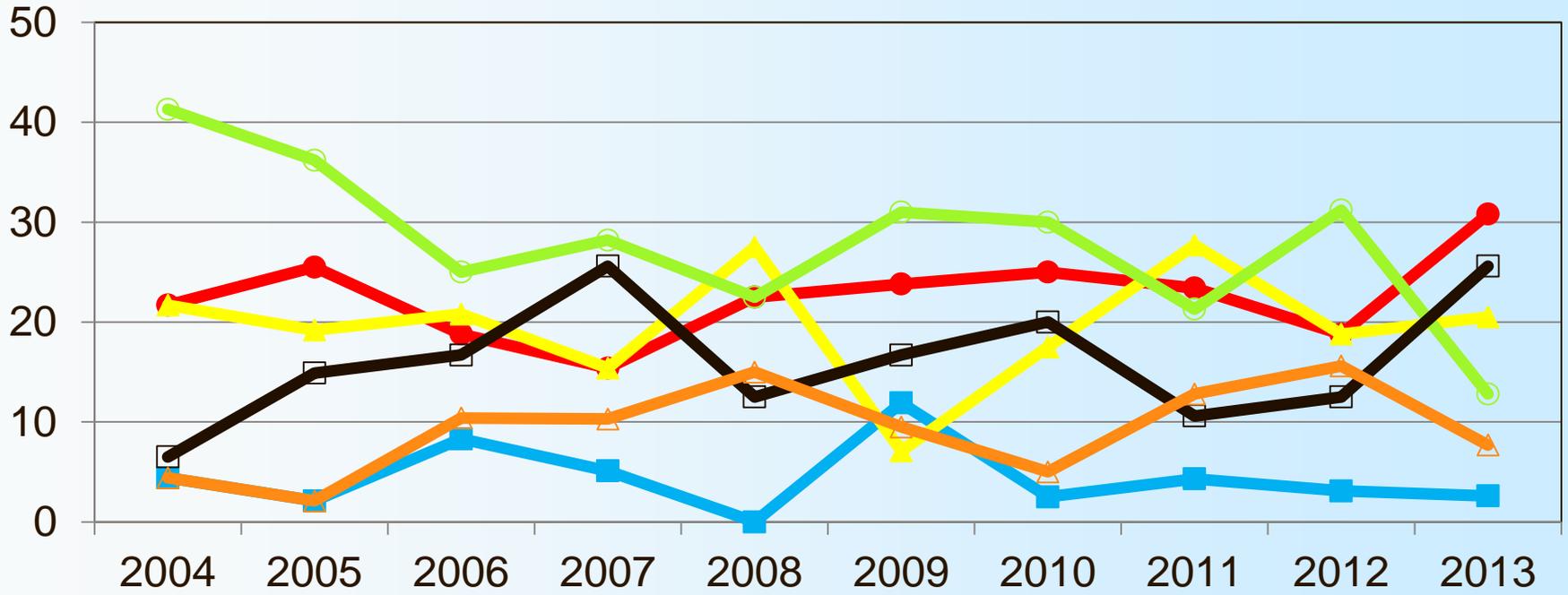


Population on 7/1/12, Cases on 12/31/13  
as reported through 12/31/14

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



Percent

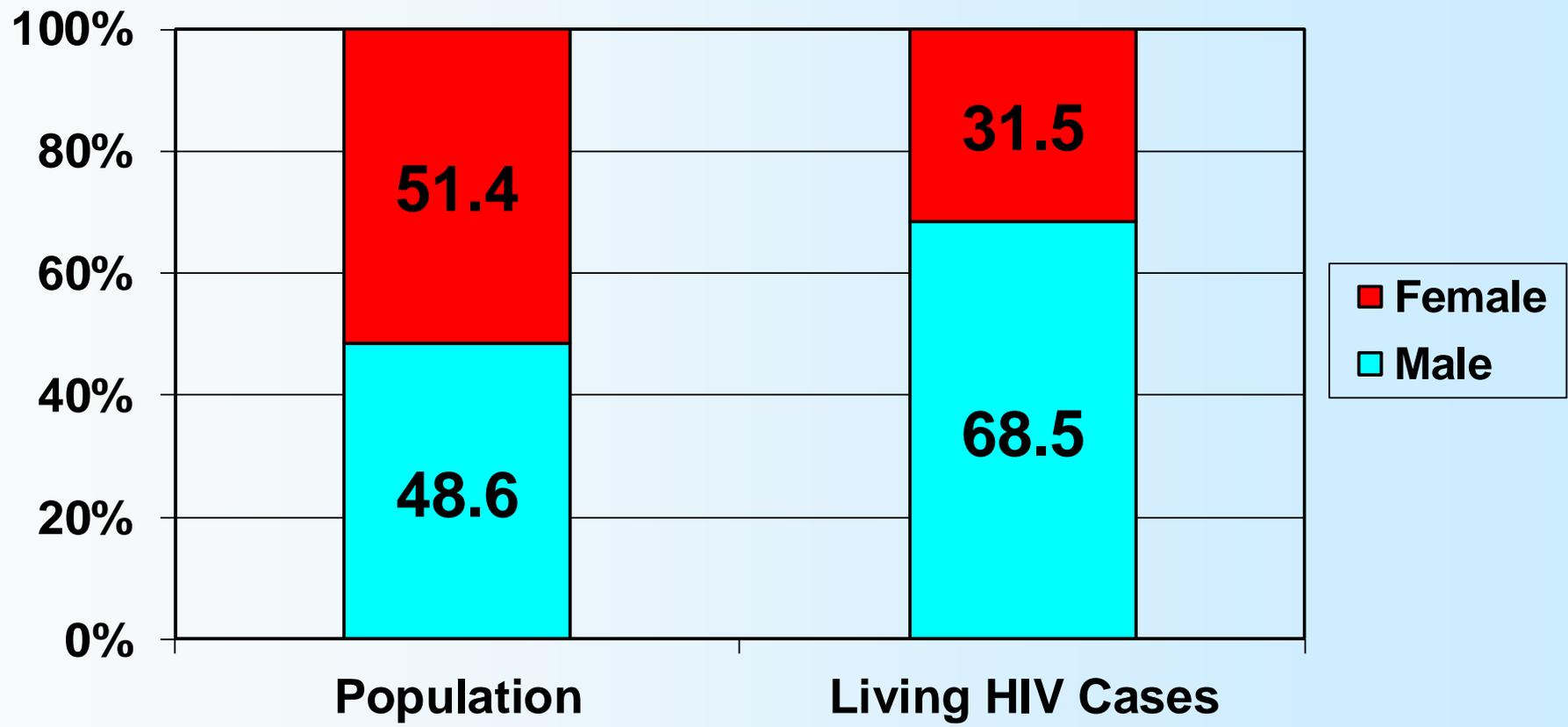


Year of HIV Diagnosis

■ 13-19   
 ● 20-29   
 ▲ 30-39   
 ○ 40-49   
 ■ 50-59   
 ▲ 60+

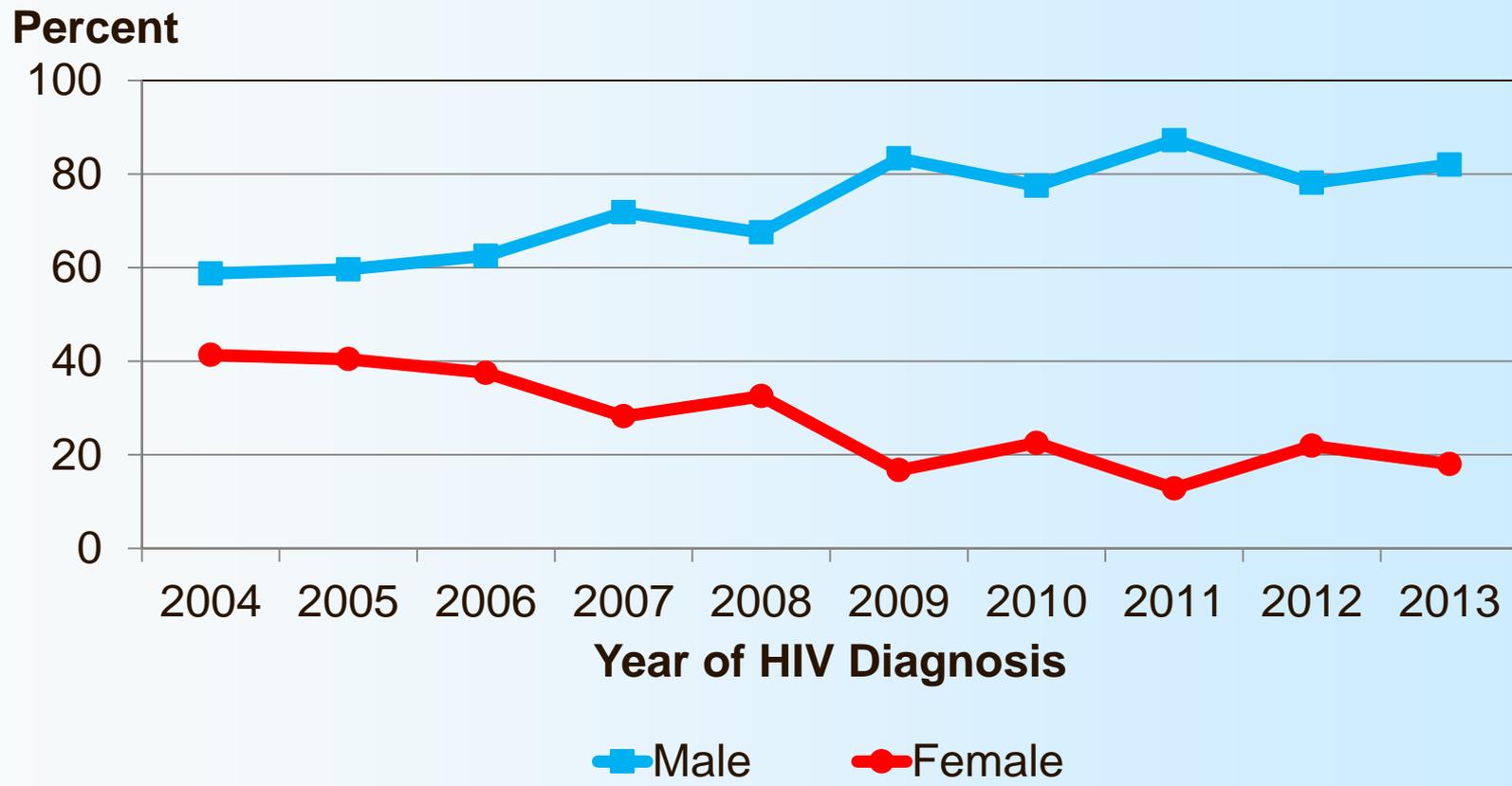
Using data as reported through 12/31/2014

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



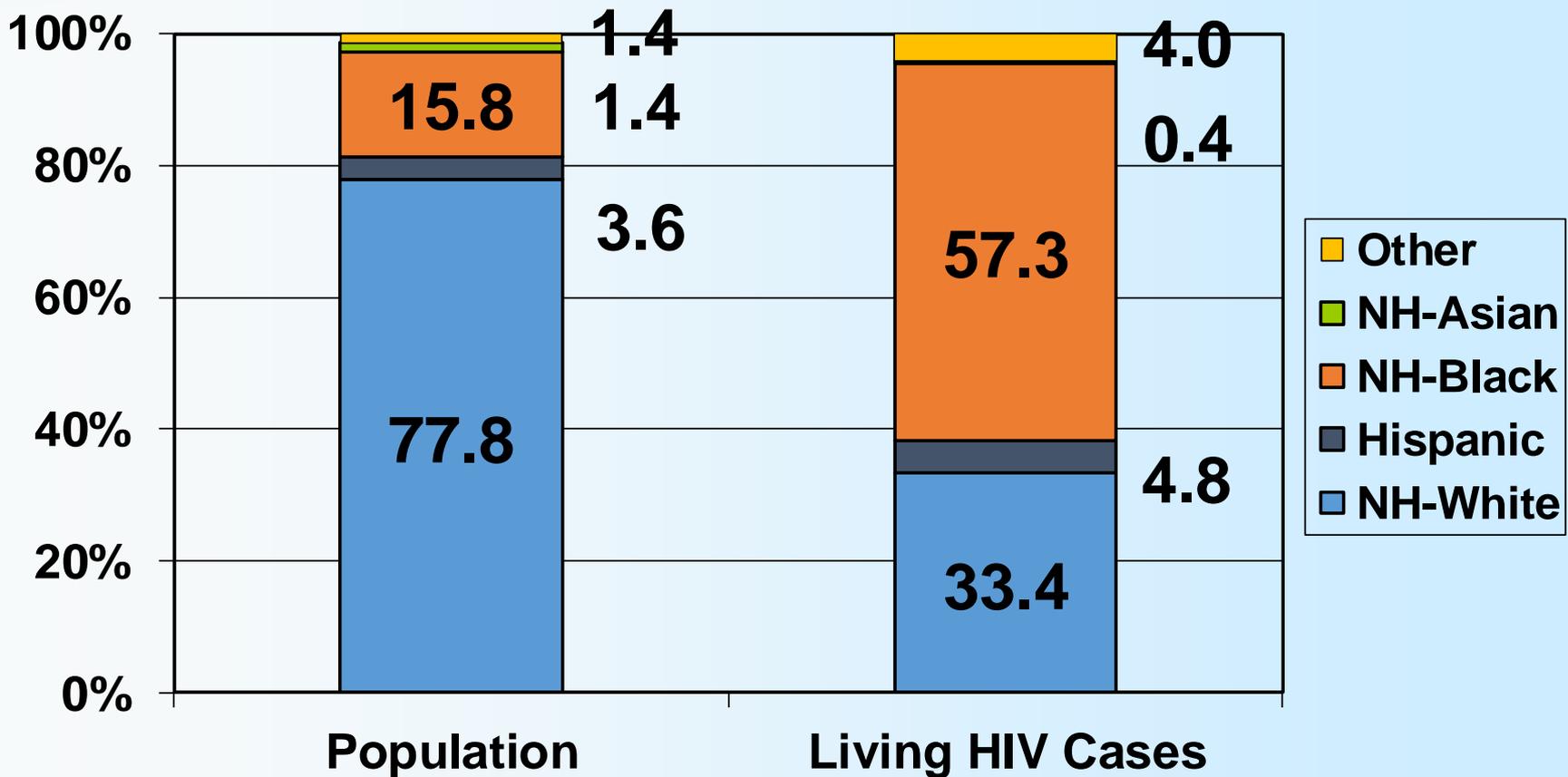
Population on 7/1/12, Cases on 12/31/13 as reported through 12/31/14

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



Using data as reported through 12/31/2014

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

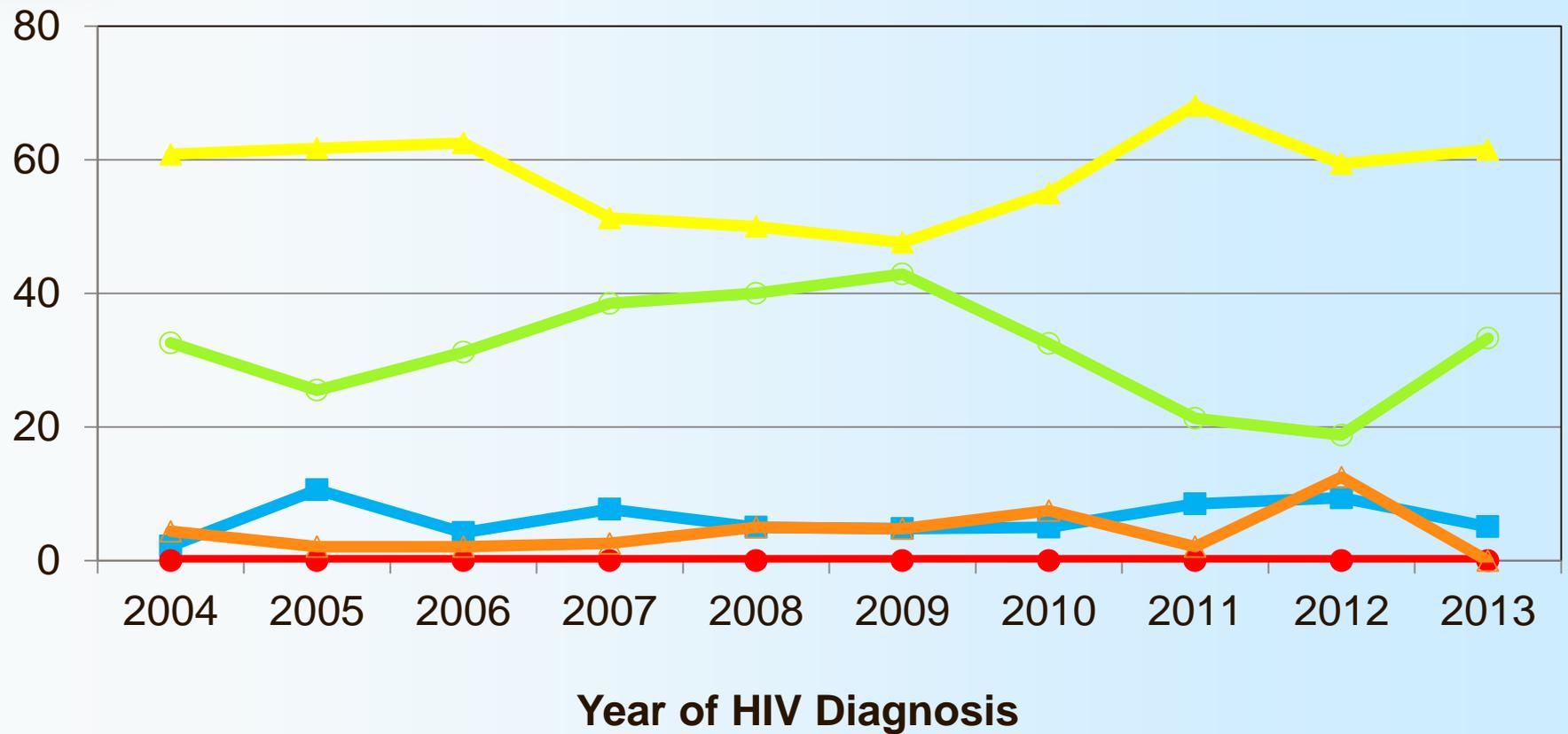


Population on 7/1/12, Cases on 12/31/13  
as reported through 12/31/14

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



Percent



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

Using data as reported through 12/31/2014



# Exposure Categories

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

**IDU:** Injection Drug Use

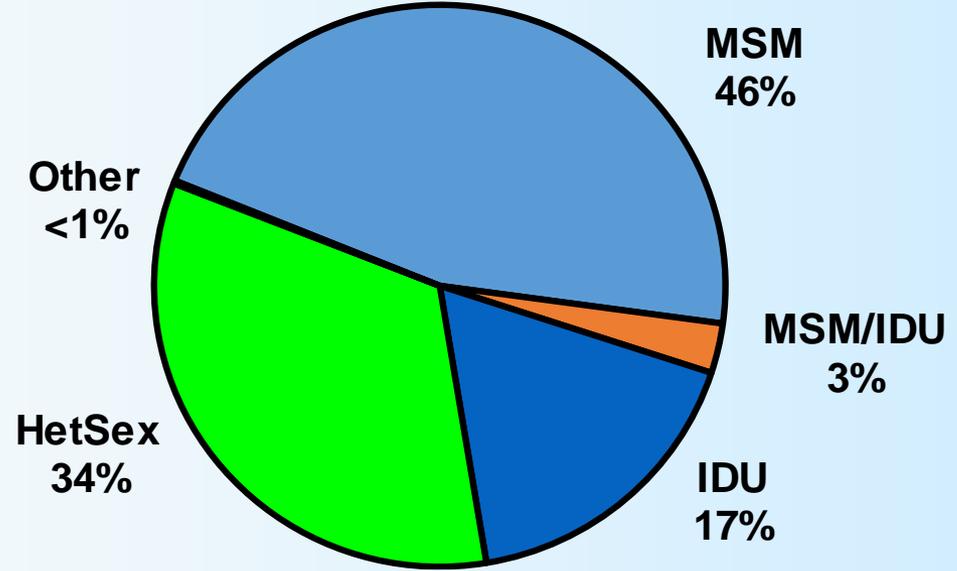
**MSM/IDU:** Men who have Sex with Men AND Inject Drugs

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



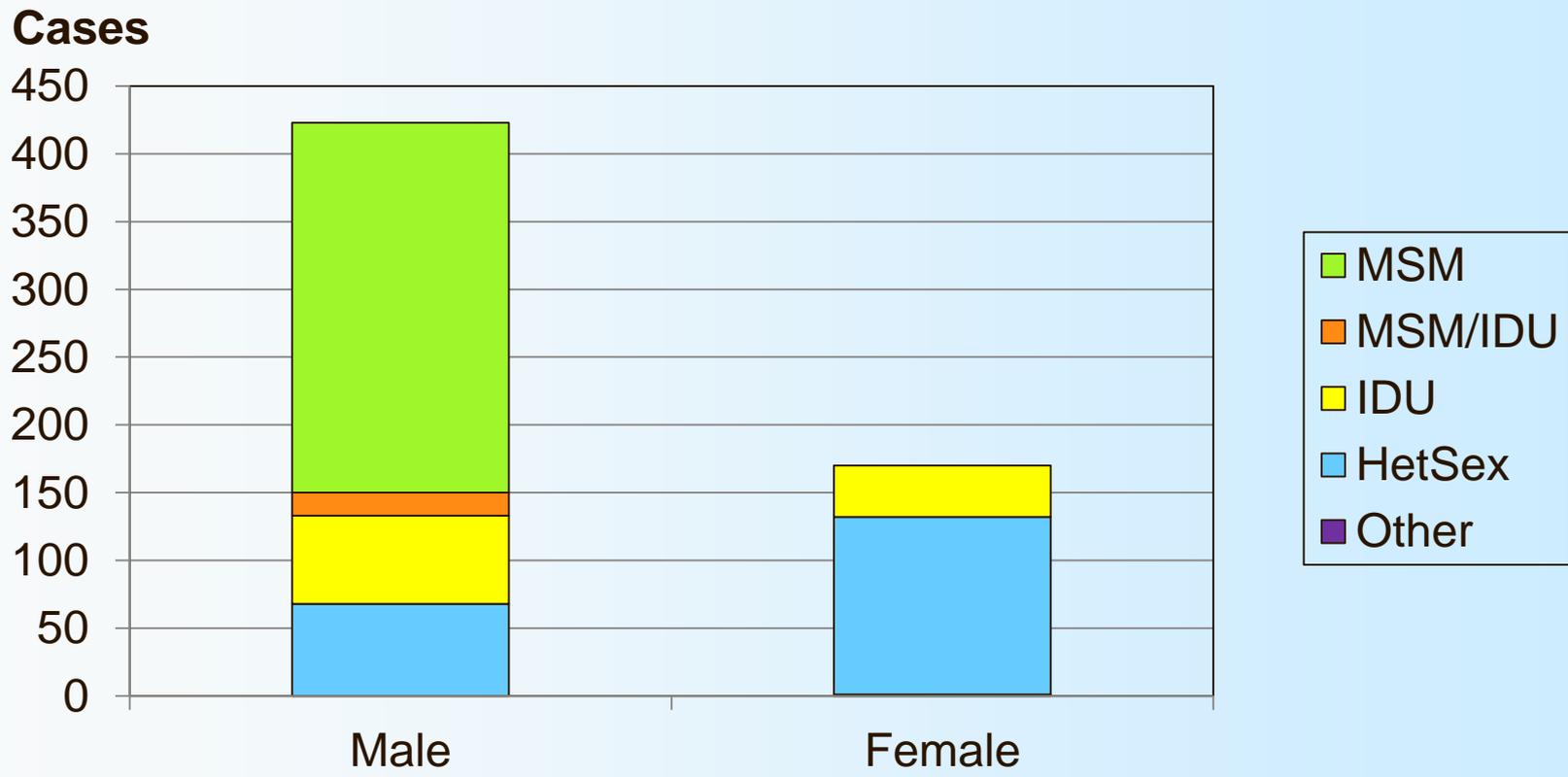
# Living Adult/Adolescent HIV Cases 12/31/13 by Exposure Category, Eastern Region

**N (with Risk) = 593 (80% of Total)**



Using data as reported through 12/31/2014

# Living Adult/Adolescent HIV Cases 12/31/13 by Exposure Category and Sex at Birth Eastern Region

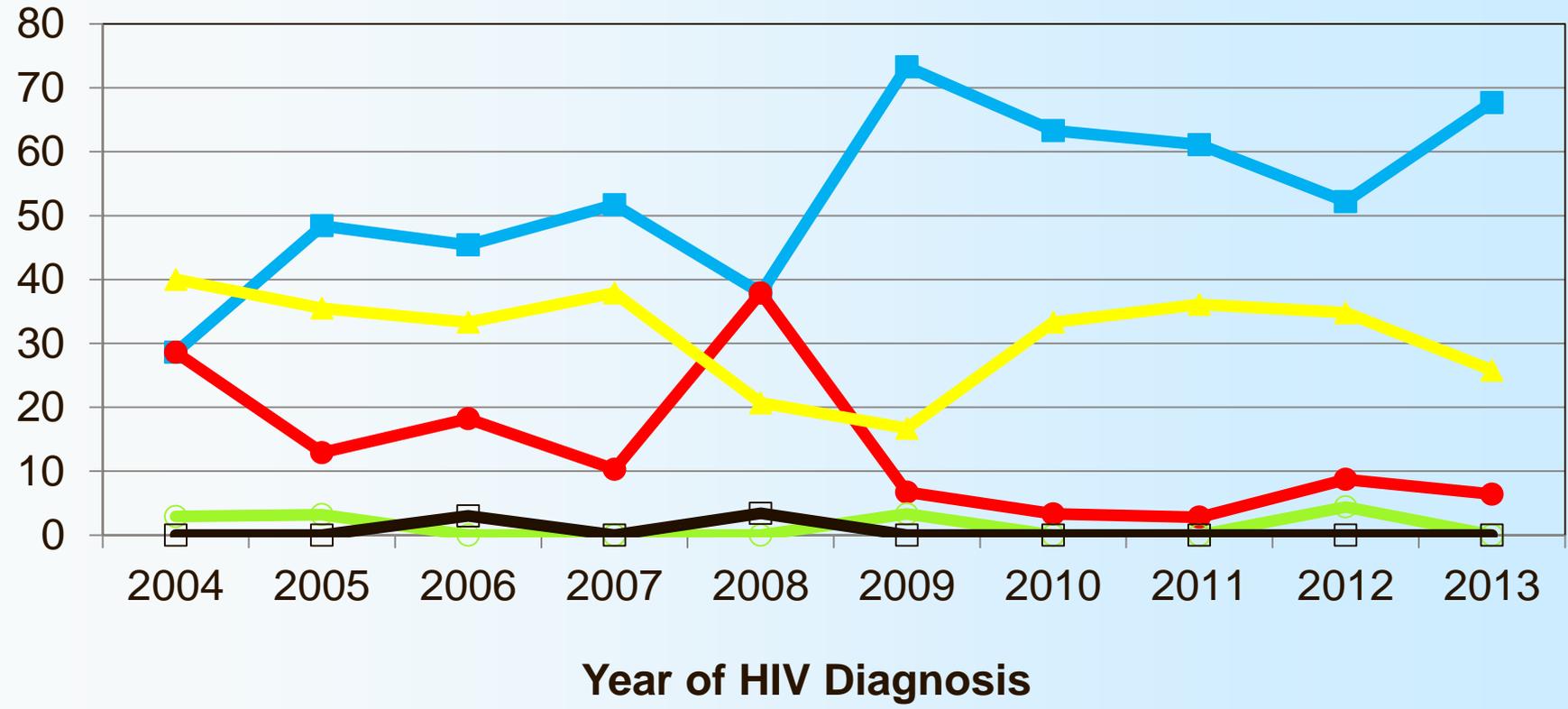


Using data as reported through 12/31/2014

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



Percent

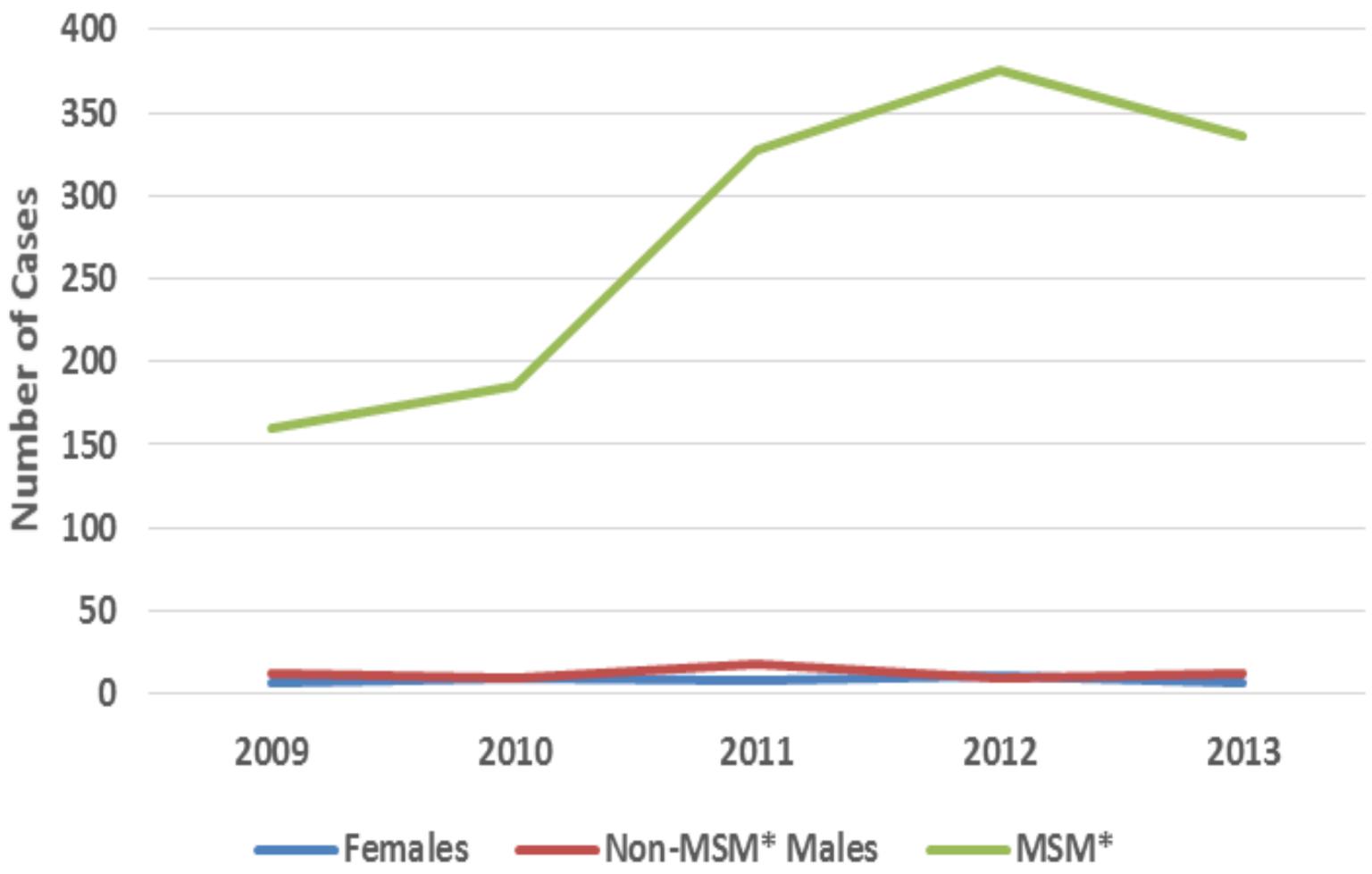


■ MSM    
 ● IDU    
 ▲ HetSex    
 ○ MSM/IDU    
 □ Other

Using data as reported through 12/31/2014



## Early Syphilis-HIV Co-Infection, MD State 2009-2013

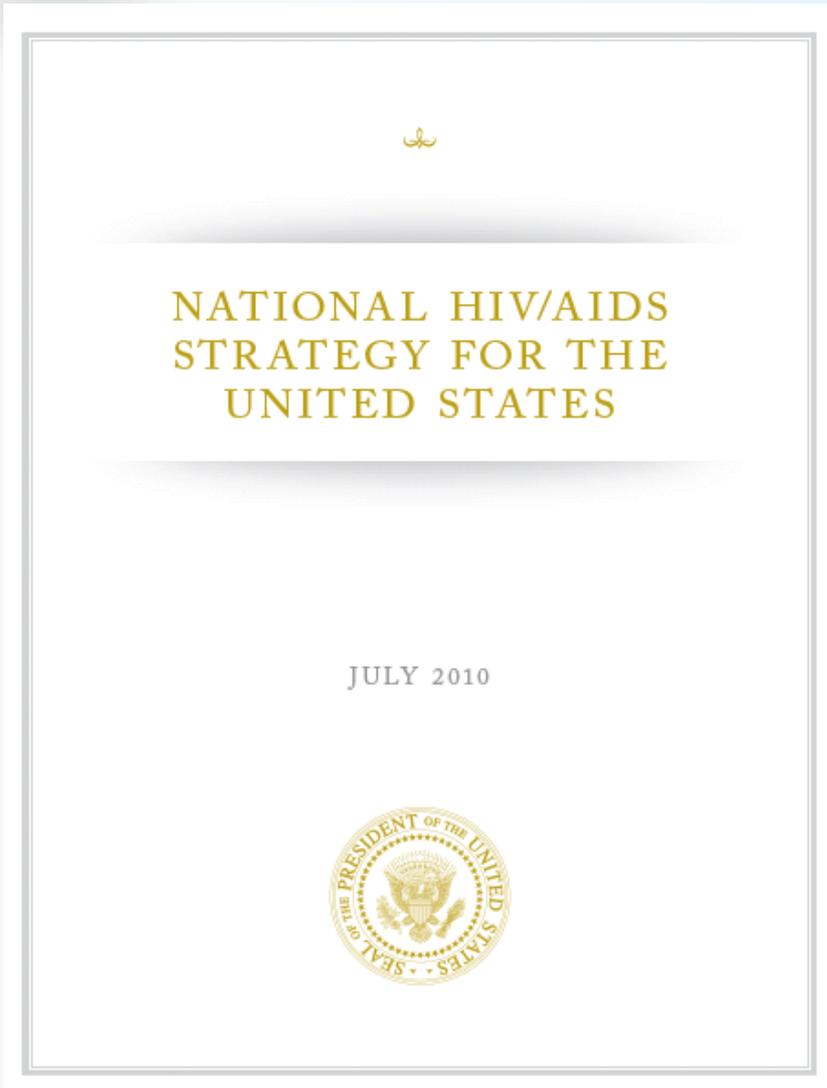


Source: DHMH Center for STI Prevention

# NHAS 2010



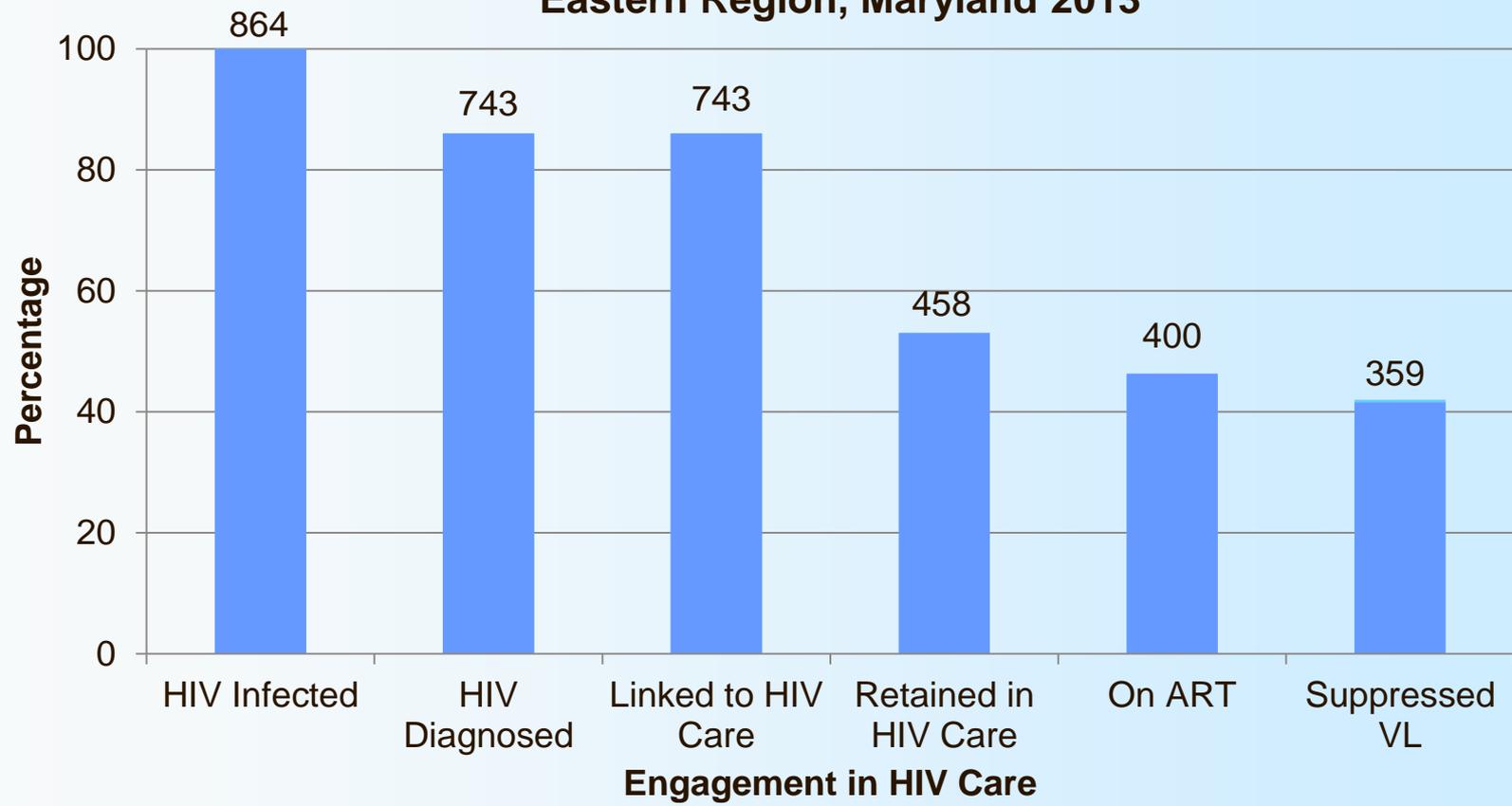
- Reducing new HIV infections
- Increasing access to care and improving health outcomes for people living with HIV
- Reducing HIV-related disparities and health inequities





# Continuum of Care

**Estimated number and percentage of HIV infected adults/ adolescents engaged in selected stages of the continuum of care, Eastern Region, Maryland 2013**

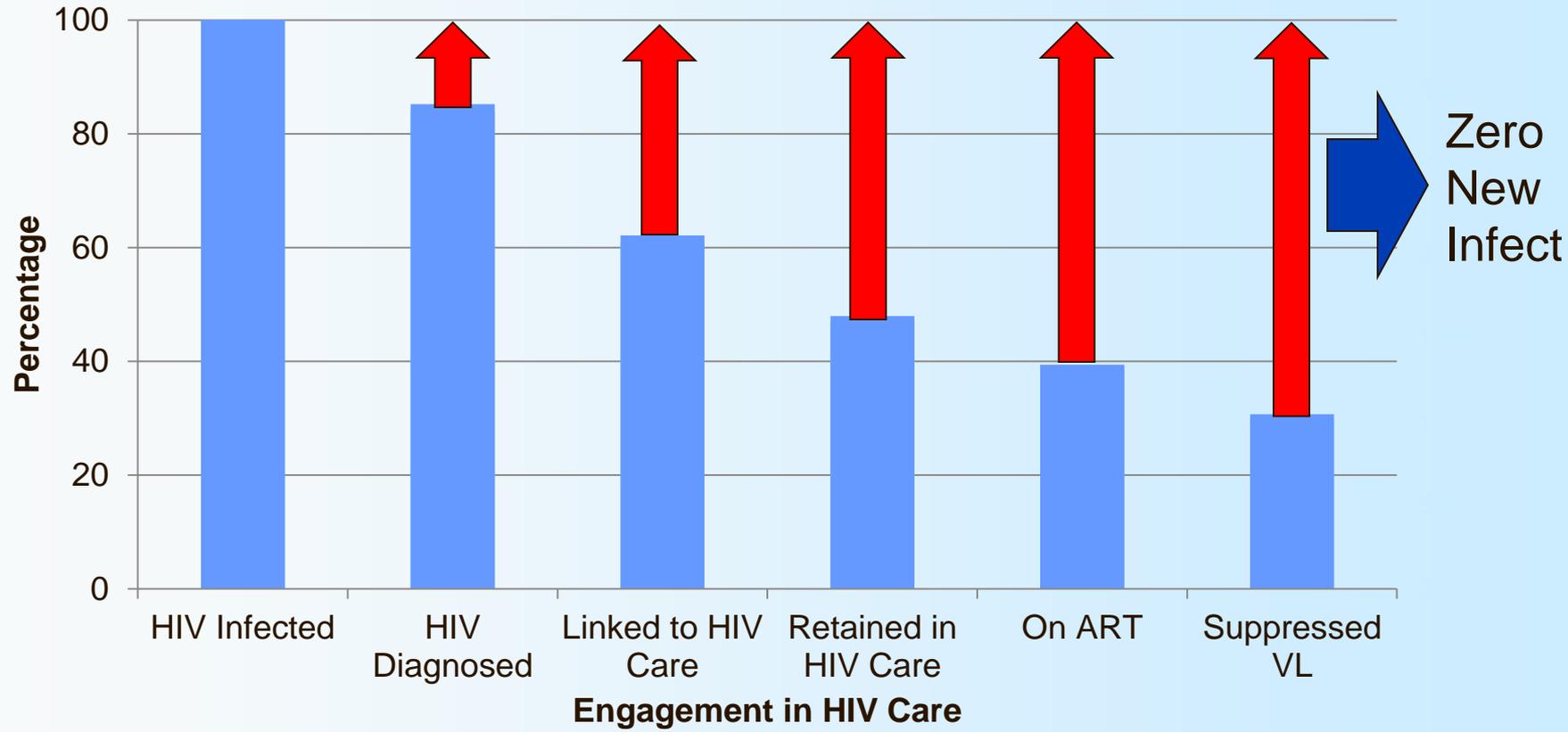


Using data as reported through 12/31/2014.  
Linked to HIV Care based on 2013 diagnoses only.



# Continuum of Care

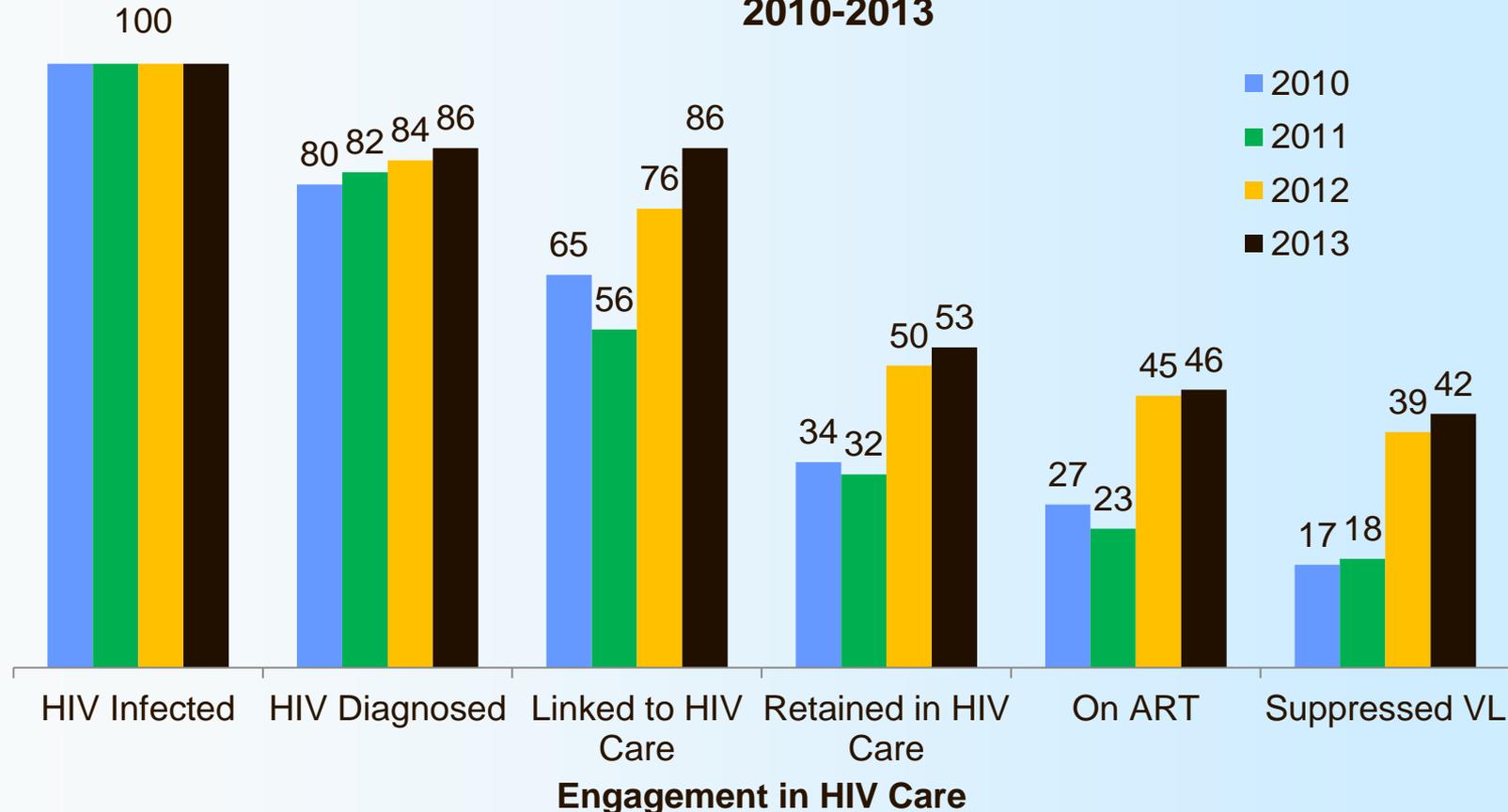
Estimated number and percentage of HIV infected adults/ adolescents engaged in selected stages of the continuum of care, Maryland 2013



# Improvements in the Continuum of Care



Estimated percentage of HIV infected adults/adolescents engaged in selected stages of the continuum of care, Eastern Maryland 2010-2013





# Regional Summary

# HIV/AIDS in the Eastern Region



- There were 743 living adult/adolescent HIV cases at the end of 2013
- There were 39 reported adult/adolescent HIV diagnoses during 2013
- Wicomico (32%), Dorchester (15%), and Cecil (14%) counties had the greatest share of living cases
- Rates of living cases were two times higher in Dorchester County than in the region as a whole

# HIV/AIDS in the Eastern Region: Demographics



- Persons 30-59 years old were disproportionately affected (83% vs. 39%), but the proportions were decreasing among 40-49 year olds and increasing among 60+ year olds
- Males were disproportionately affected (68% of cases vs. 49% of population), and the proportion male was increasing
- Non-Hispanic blacks were disproportionately affected (57% vs. 16%), and the proportions were unchanged

# HIV/AIDS in the Eastern Region: Exposure Category



- Sexual transmission predominates (>80%)
  - Homosexual transmission among men
  - Heterosexual transmission among women
  - Heterosexual transmission among men
  - Proportion male homosexual was increasing
- Injection drug use is an important route of transmission (>17%), but the proportion IDU was decreasing



## **Prevention and Health Promotion Administration**

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