



HIV IN THE CENTRAL REGION: AN EPIDEMIOLOGICAL PROFILE

**CENTRAL REGIONAL HPG MEETING
APRIL 27, 2015**

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HIV Surveillance, Epidemiology and Evaluation**

**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.

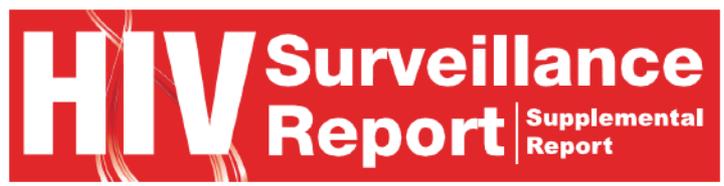
VISION

- 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

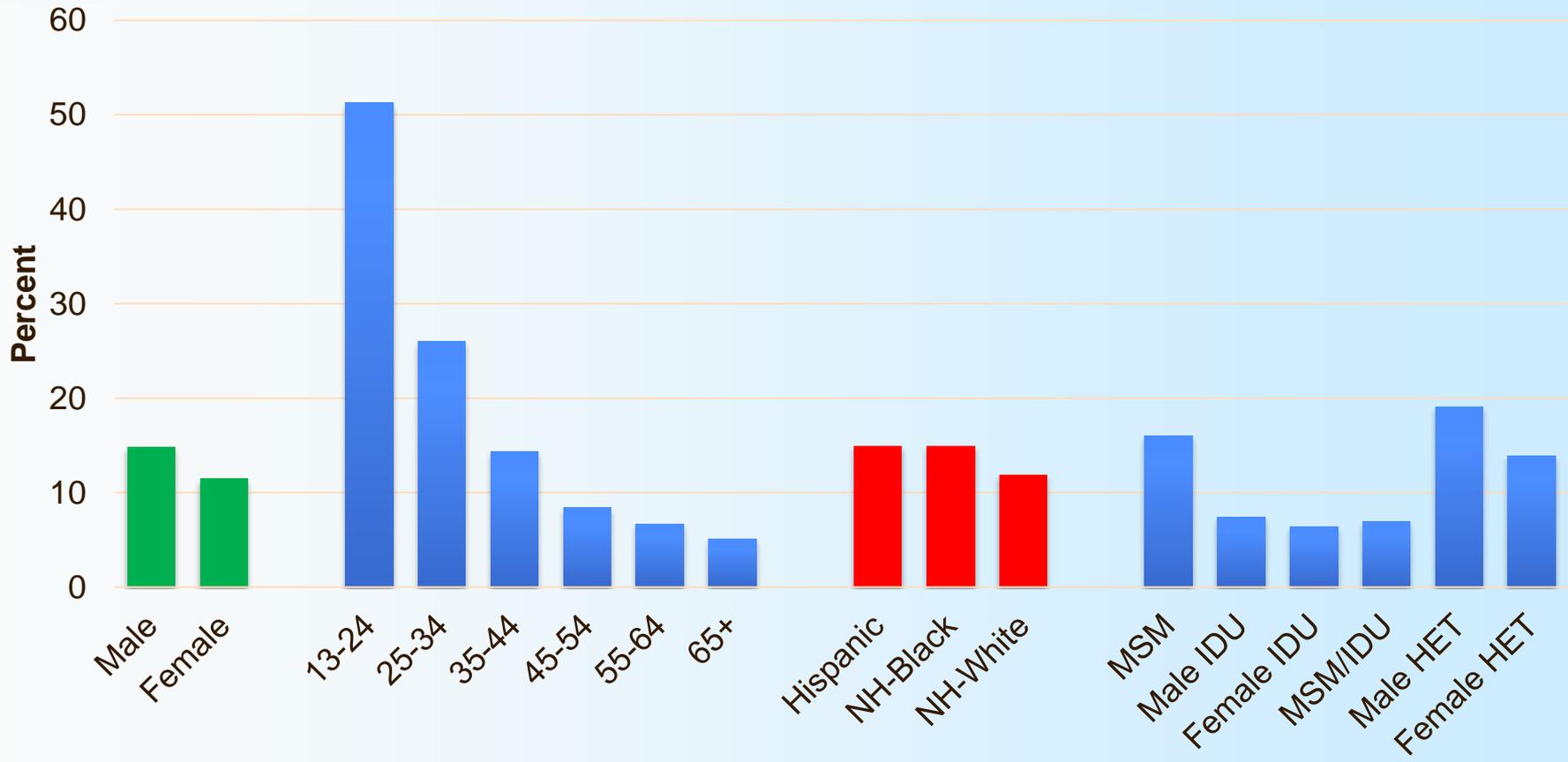
**Monitoring Selected National
HIV Prevention and Care Objectives
by Using HIV Surveillance Data—
United States and
6 Dependent Areas—2012**

- 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
2. Maryland	1,401	2,174	36.7
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
3. Baltimore-Columbia-Towson, MD	650	1,010	36.5
4. Baton Rouge, LA	288	297	36.2
5. Atlanta-Sandy Springs-Roswell, GA	1,214	1,919	34.7
6. Washington-Arlington-Alexandria, DC-VA-MD-WV	1,482	1,995	33.5
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
22. Philadelphia-Camden-Wilmington, PA-NJ-DE-MD	1,098	1,225	20.3
<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)	5th	7.7 (456 cases)	5.5
Gonorrhea	21st	101.8 (5,989 cases)	106.1
Chlamydia	20th	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



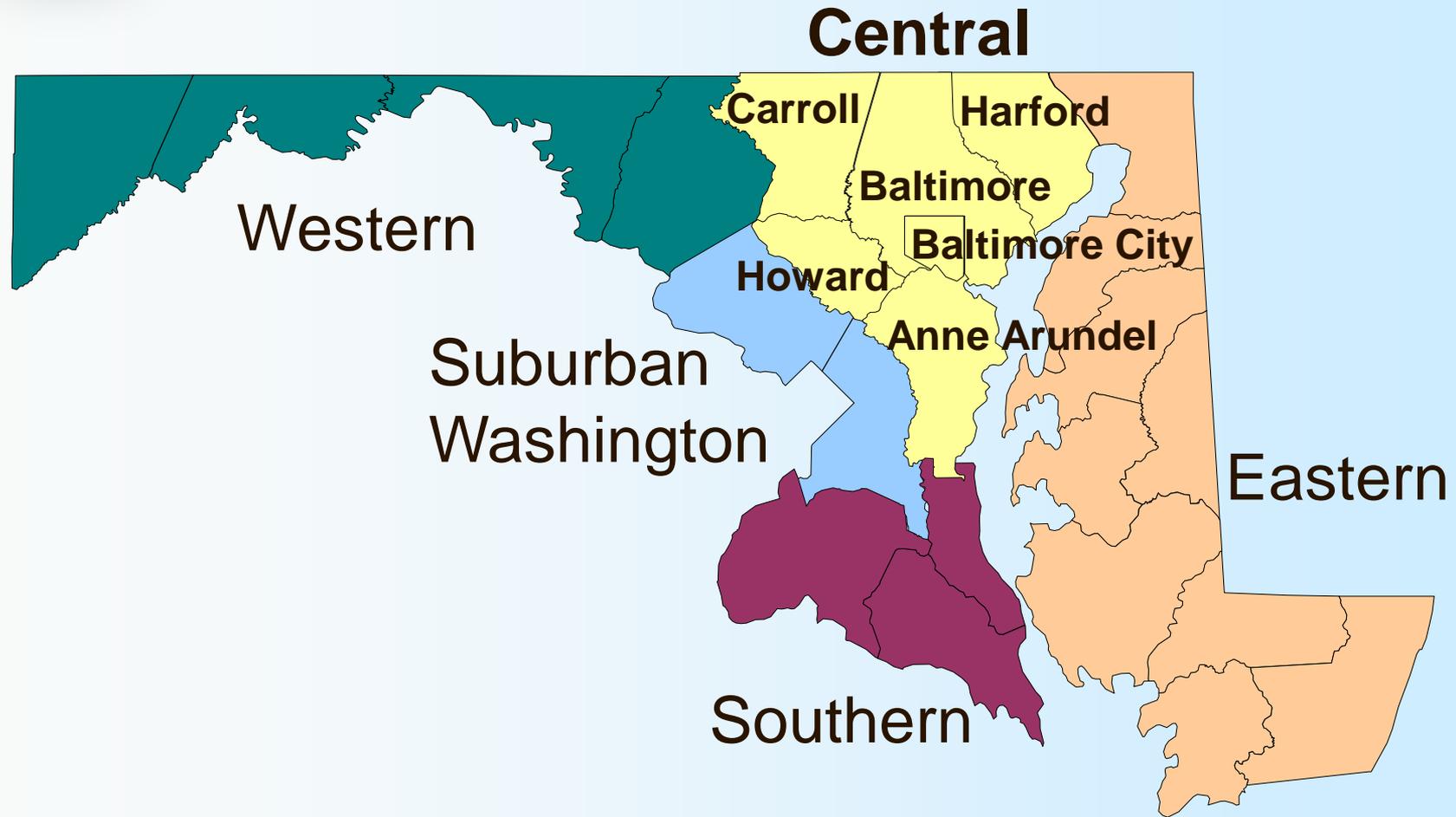
Maryland Adult/Adolescent HIV Statistics



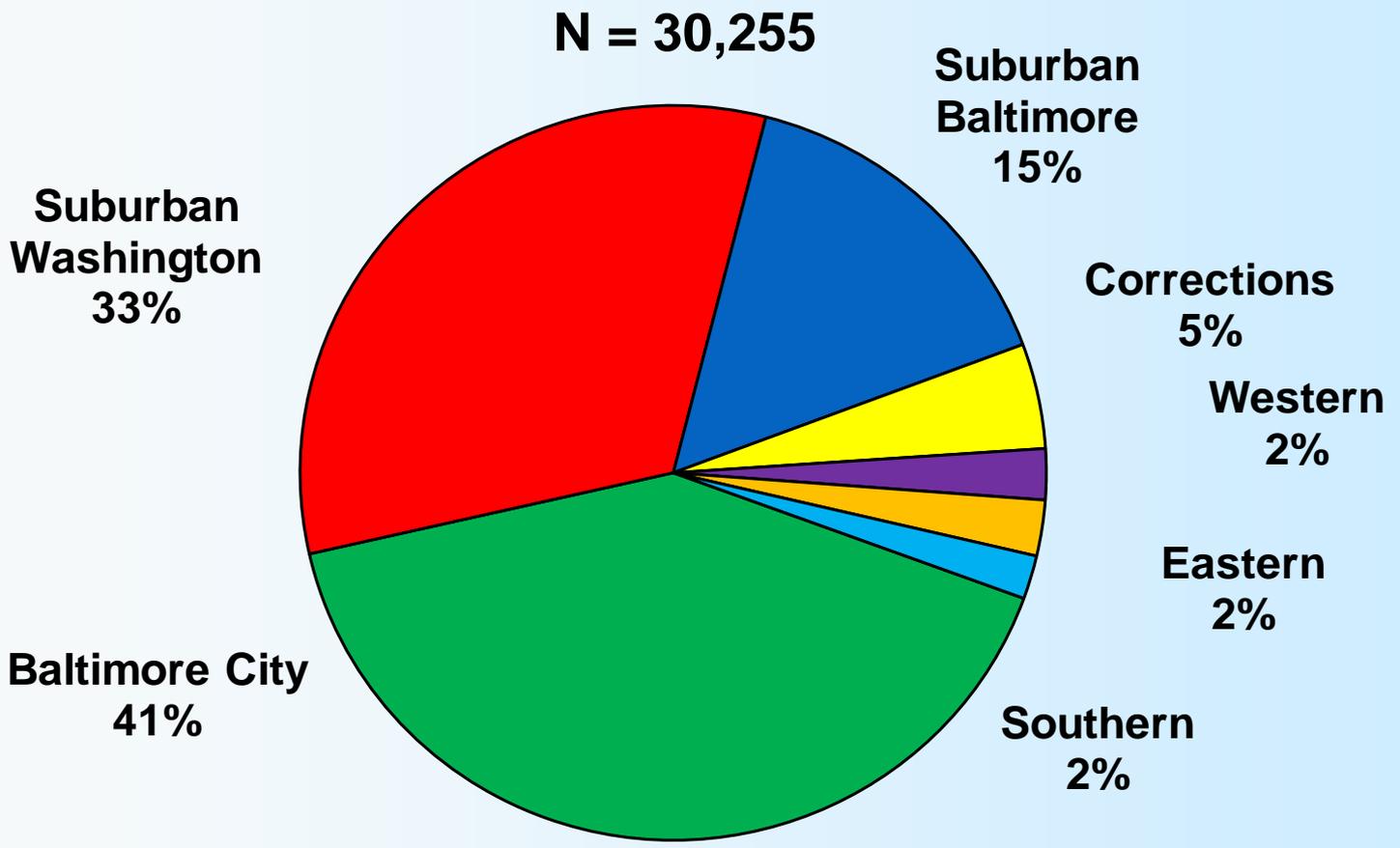
Reported Diagnoses (during 2013)	No.	per 100,000	
HIV	1,394	28.1	
AIDS	945	19.0	
Deaths Among AIDS Cases (during 2013)	No.		
	388		
Living Cases (on 12/31/2013)	No.	per 100,000	1 in X
HIV without AIDS	13,595	273.9	
HIV with AIDS	16,660	335.6	
Total HIV	30,255	609.5	164

Using data as reported through 12/31/2014

Maryland HIV Planning Group Regions



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

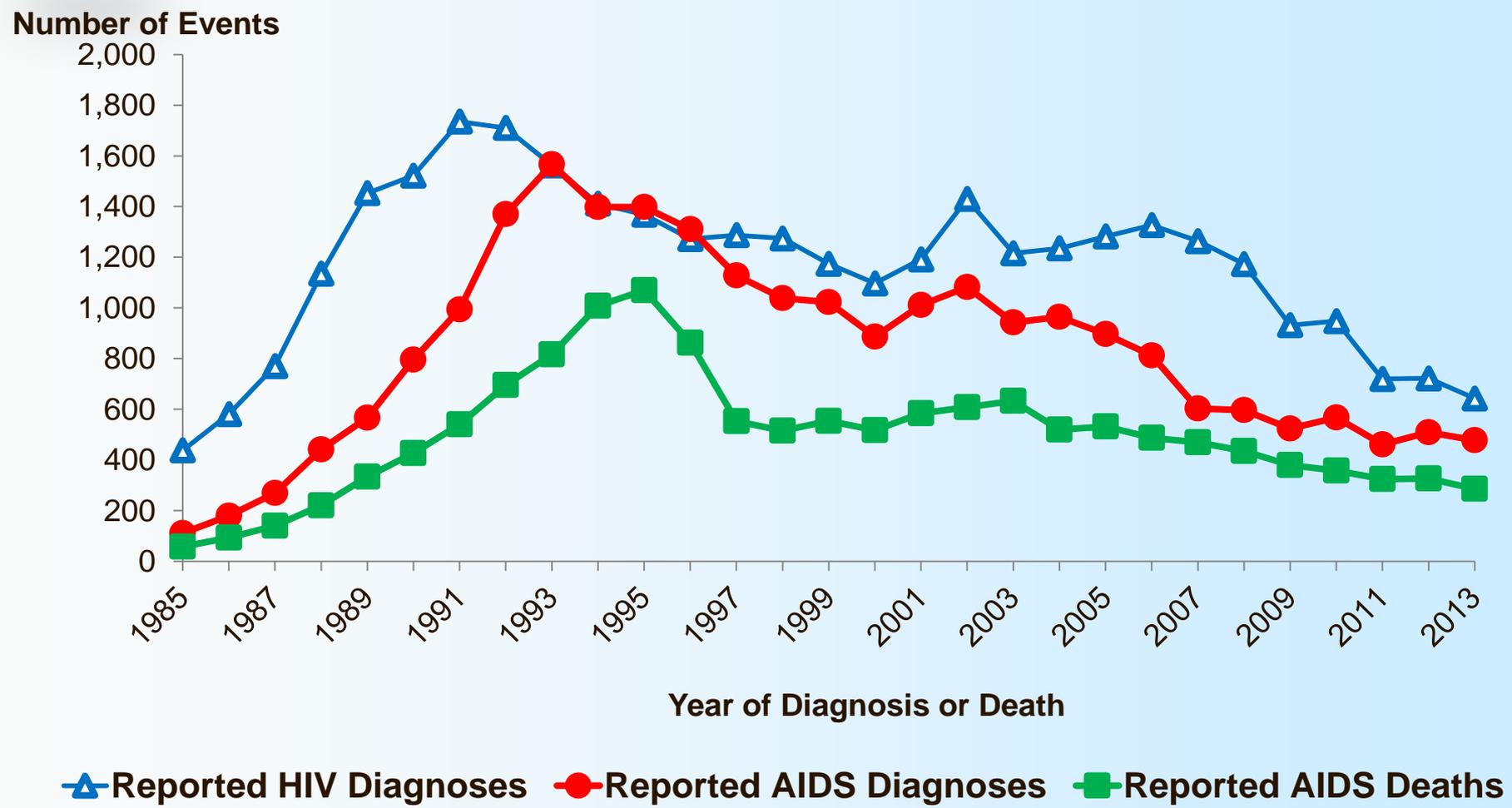


Using data as reported through 12/31/2014



Regional Data

HIV/AIDS Trends Central Region

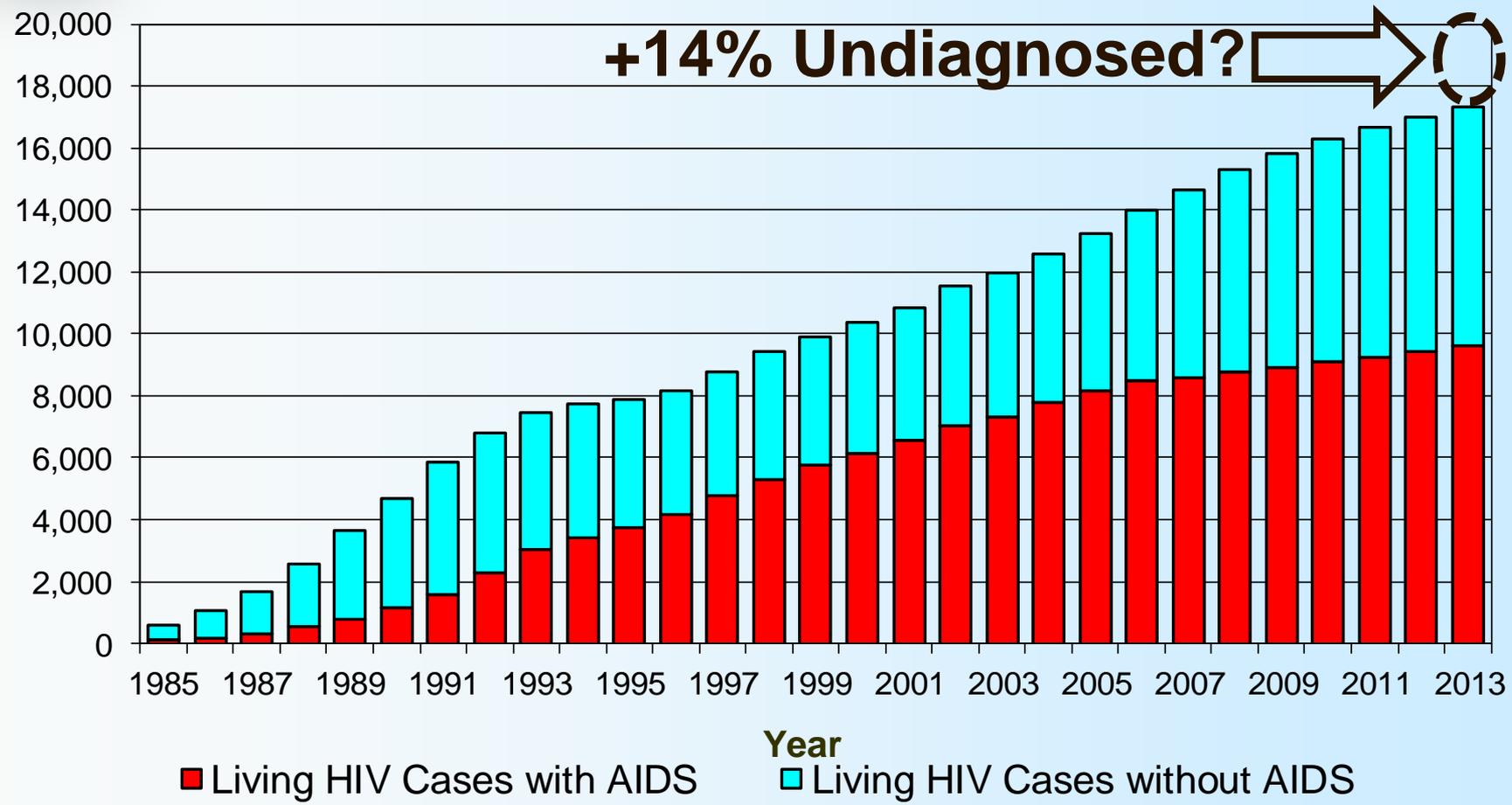


Using data as reported through 12/31/2014

Living HIV Cases Central Region



Number of Cases



Using data as reported through 12/31/2014

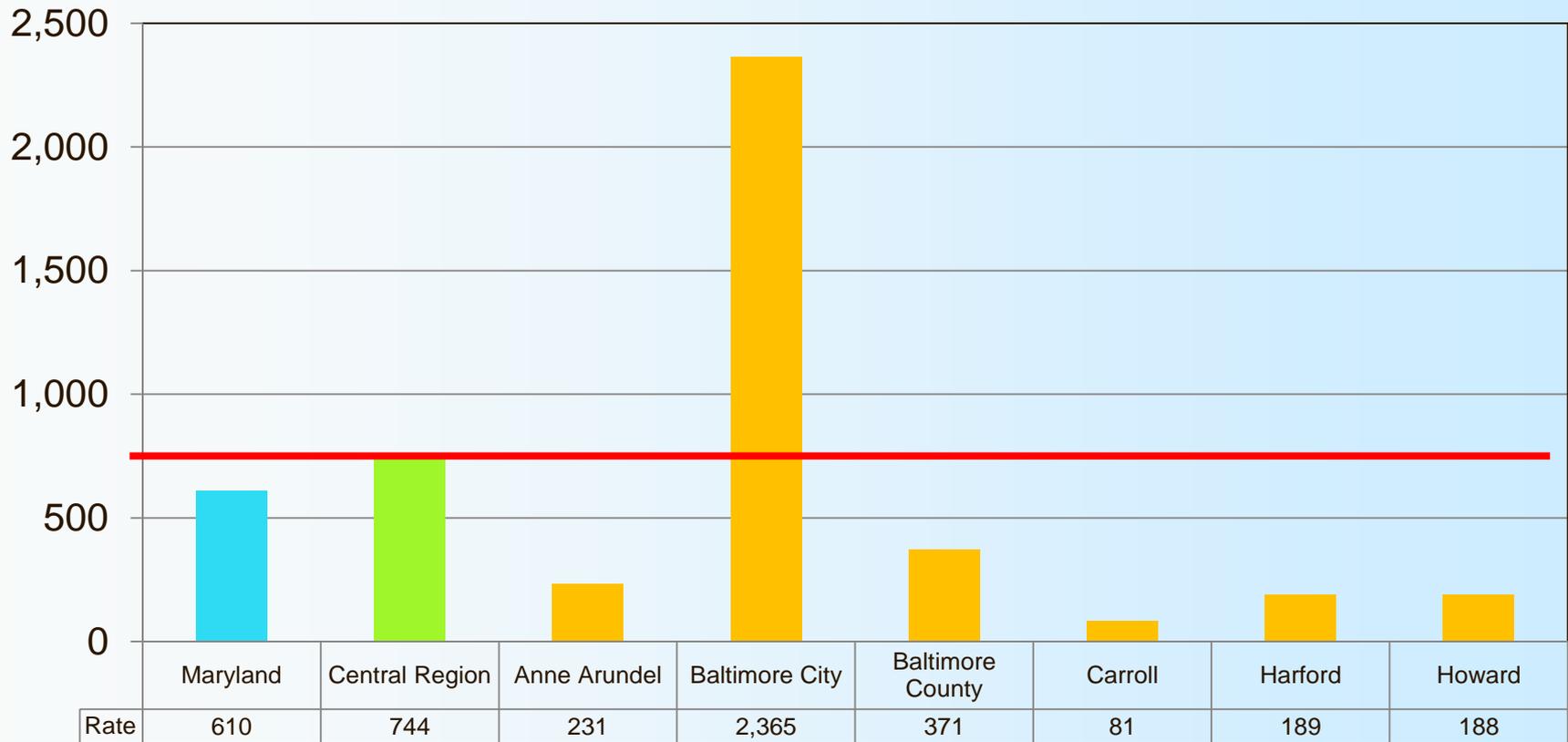
HIV Statistics Adult/Adolescent Cases, Central Region



	HIV Diagnoses during 2013	Living HIV Cases on 12/31/2013
Central Region	641	17,010
Anne Arundel	54	1,072
Baltimore City	385	12,374
Baltimore County	136	2,579
Carroll	2	115
Harford	32	395
Howard	32	475

Using data as reported through 12/31/2014

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



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

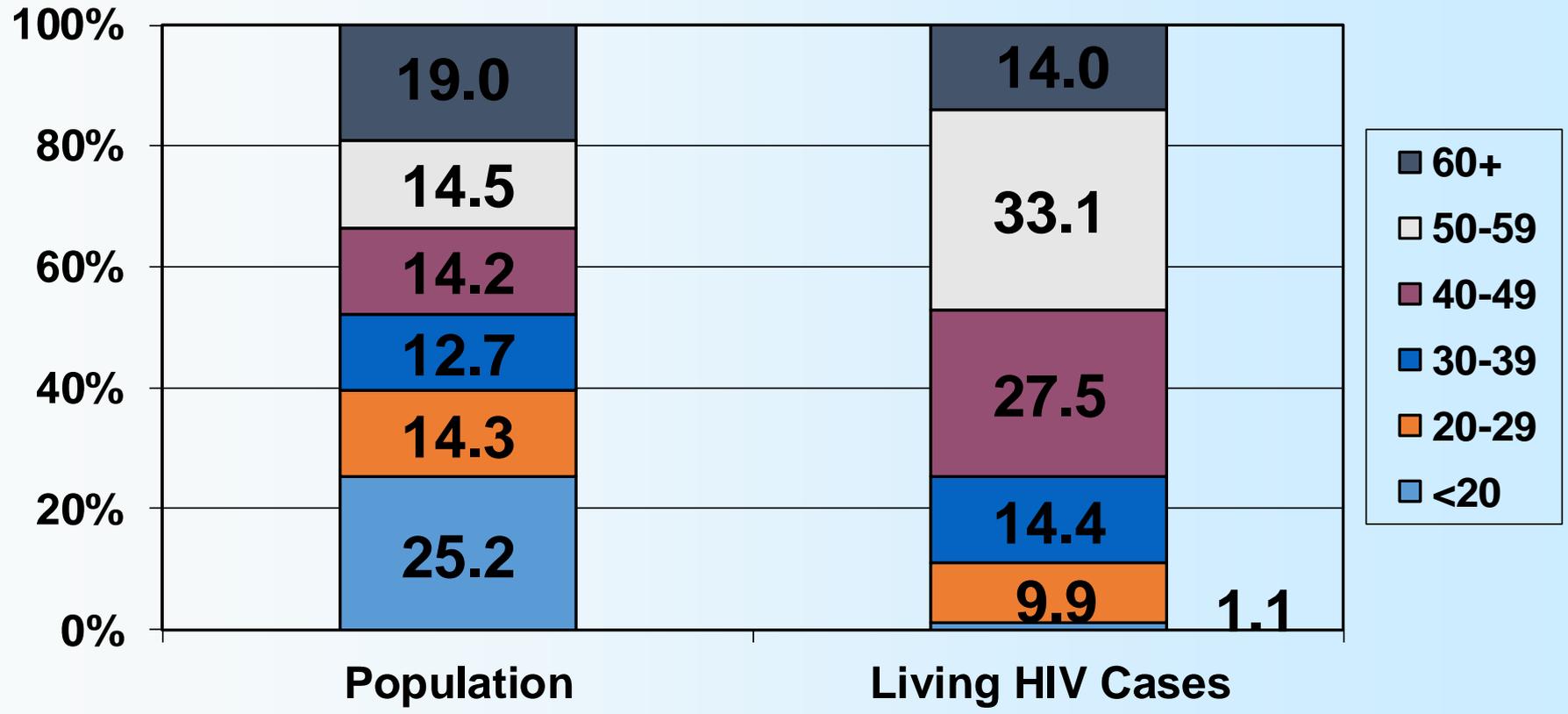
2013 STI Cases Central Region



	Chlamydia	Gonorrhea	P&S Syphilis
Central Region	13,656	3,229	287
Anne Arundel	1,531	295	20
Baltimore City	7,765	2,158	211
Baltimore County	2,974	586	35
Carroll	263	31	2
Harford	433	55	14
Howard	690	104	5

Source: Center for STI Prevention, Maryland DHMH

Population and Living HIV Cases by Age, Central Region

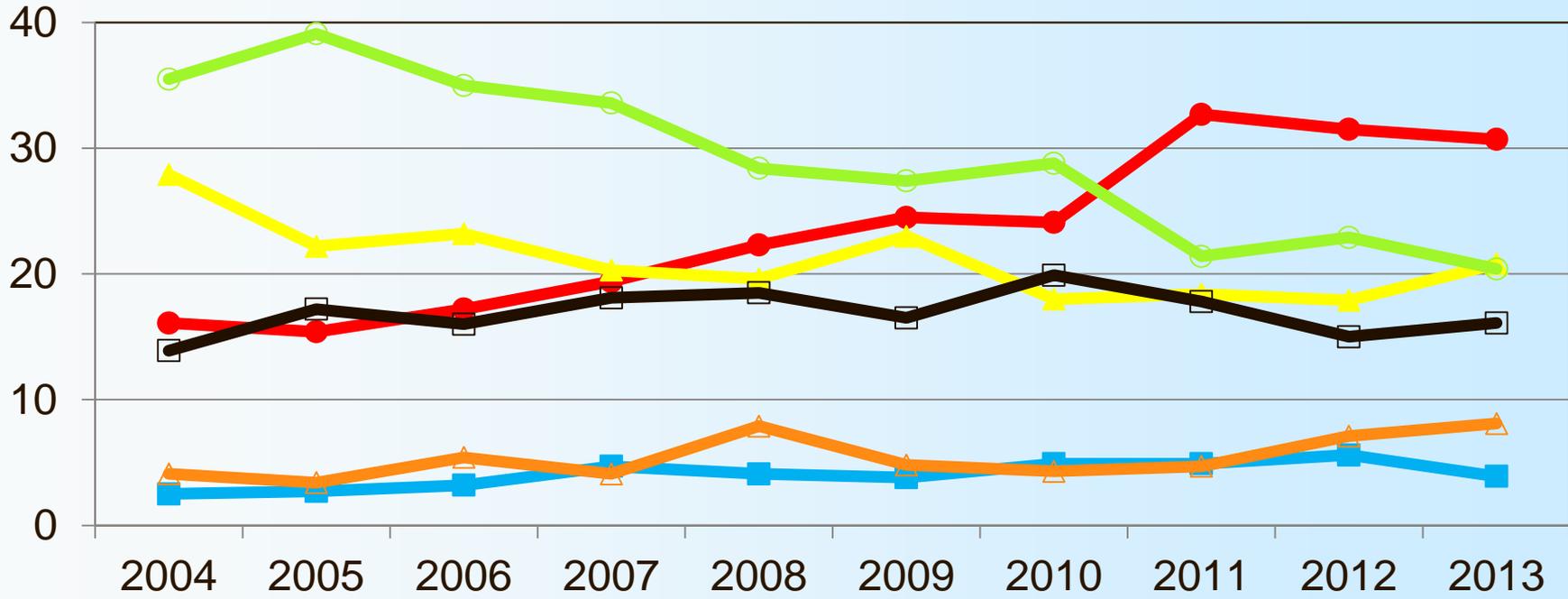


Population on 7/1/12, Cases on 12/31/13
as reported through 12/31/14

Adult/Adolescent HIV Diagnosis Trends by Age at Diagnosis, Central Region



Percent

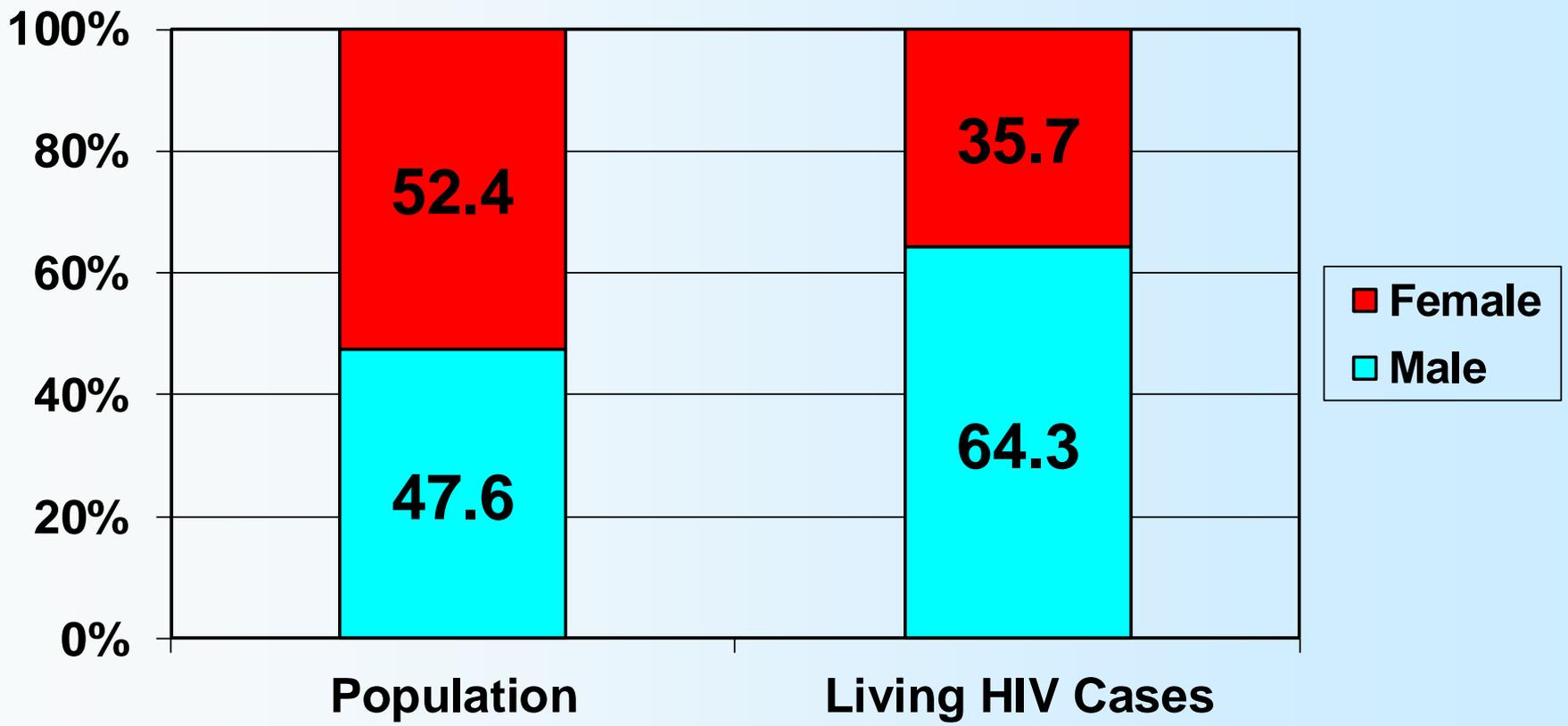


Year of HIV Diagnosis

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

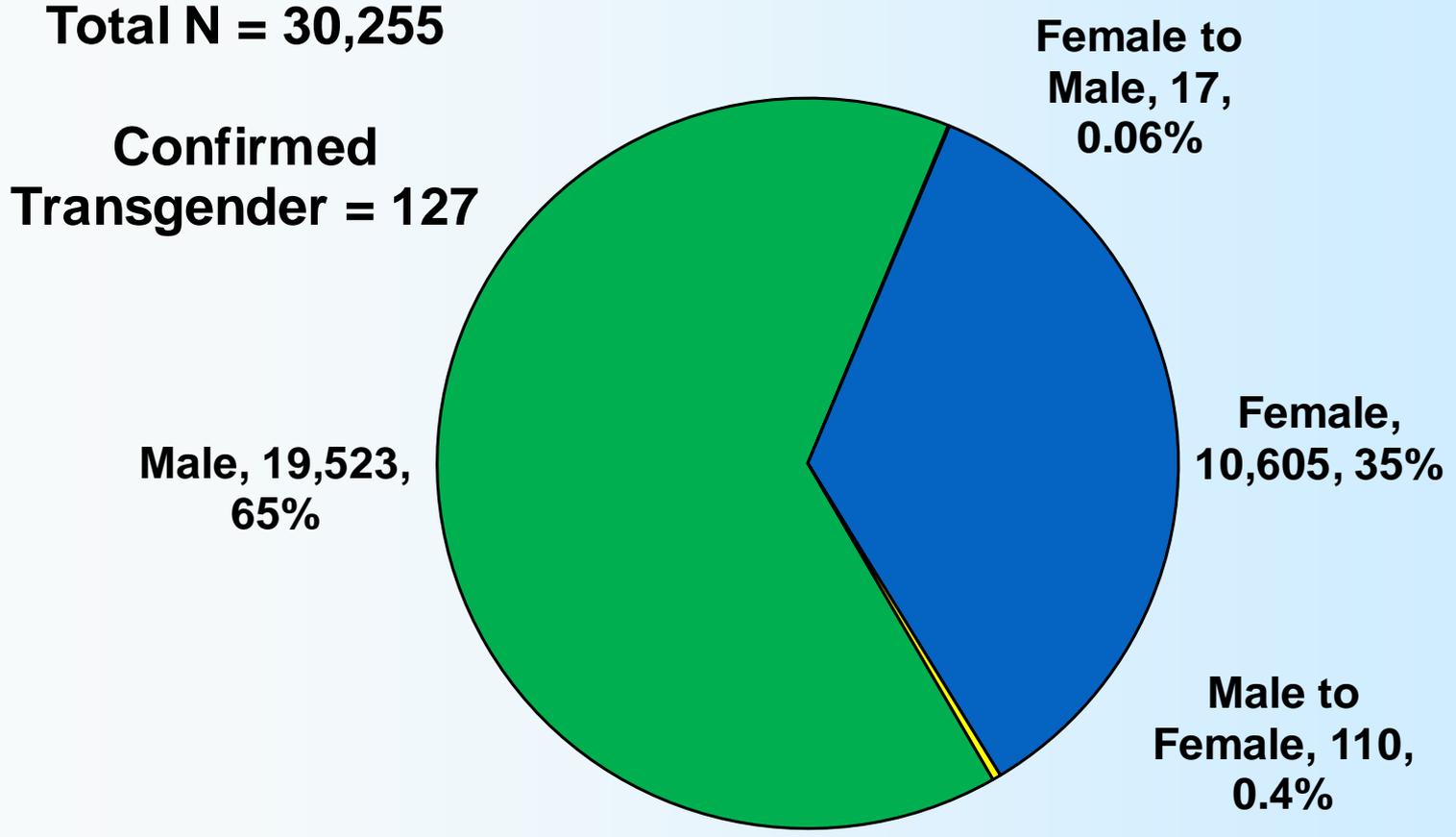
Using data as reported through 12/31/2014

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



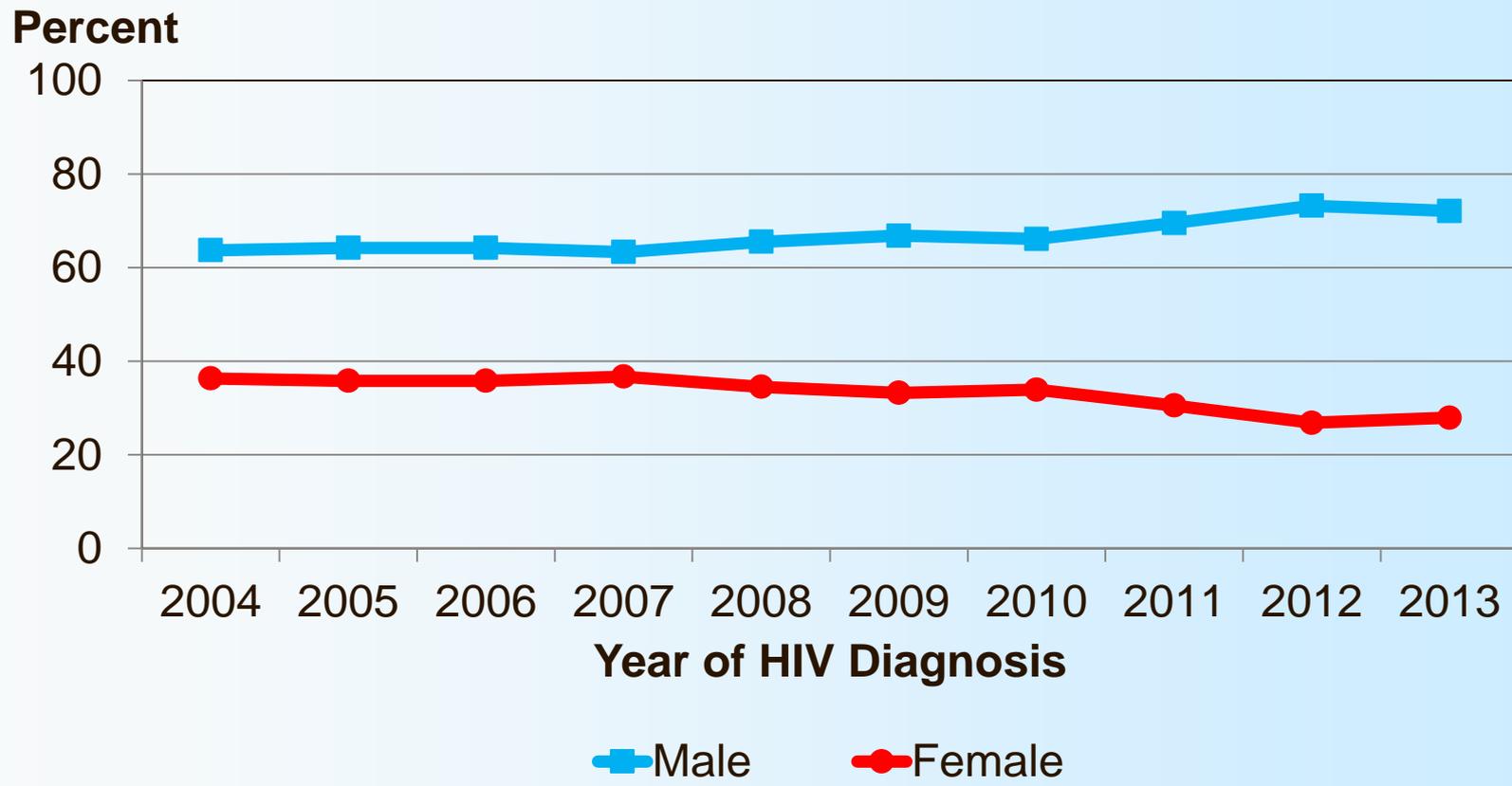
Population on 7/1/12, Cases on 12/31/13
as reported through 12/31/14

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



Using data as reported through 12/31/2014

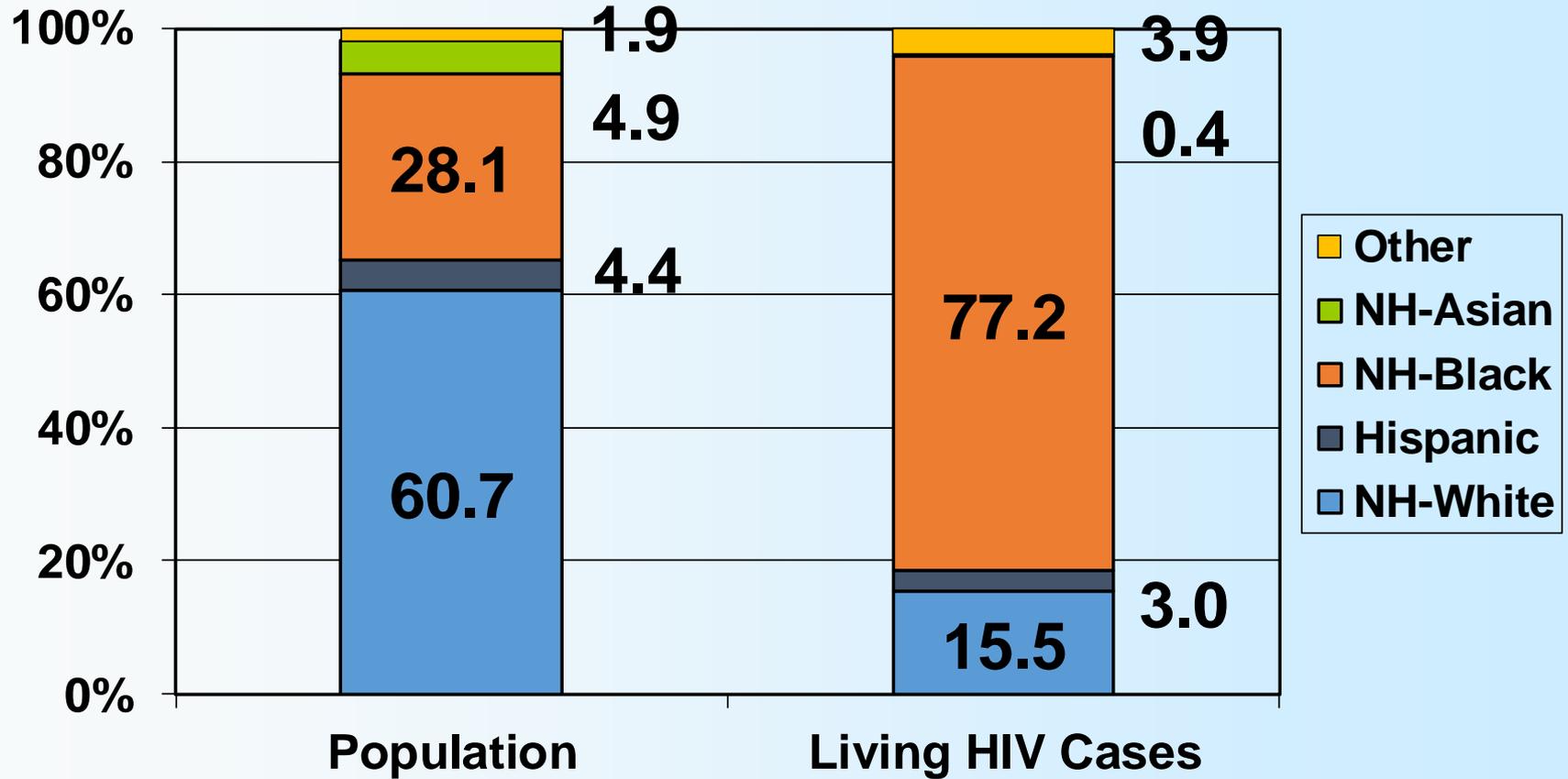
Adult/Adolescent HIV Diagnosis Trends by Sex at Birth, Central Region



Using data as reported through 12/31/2014



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

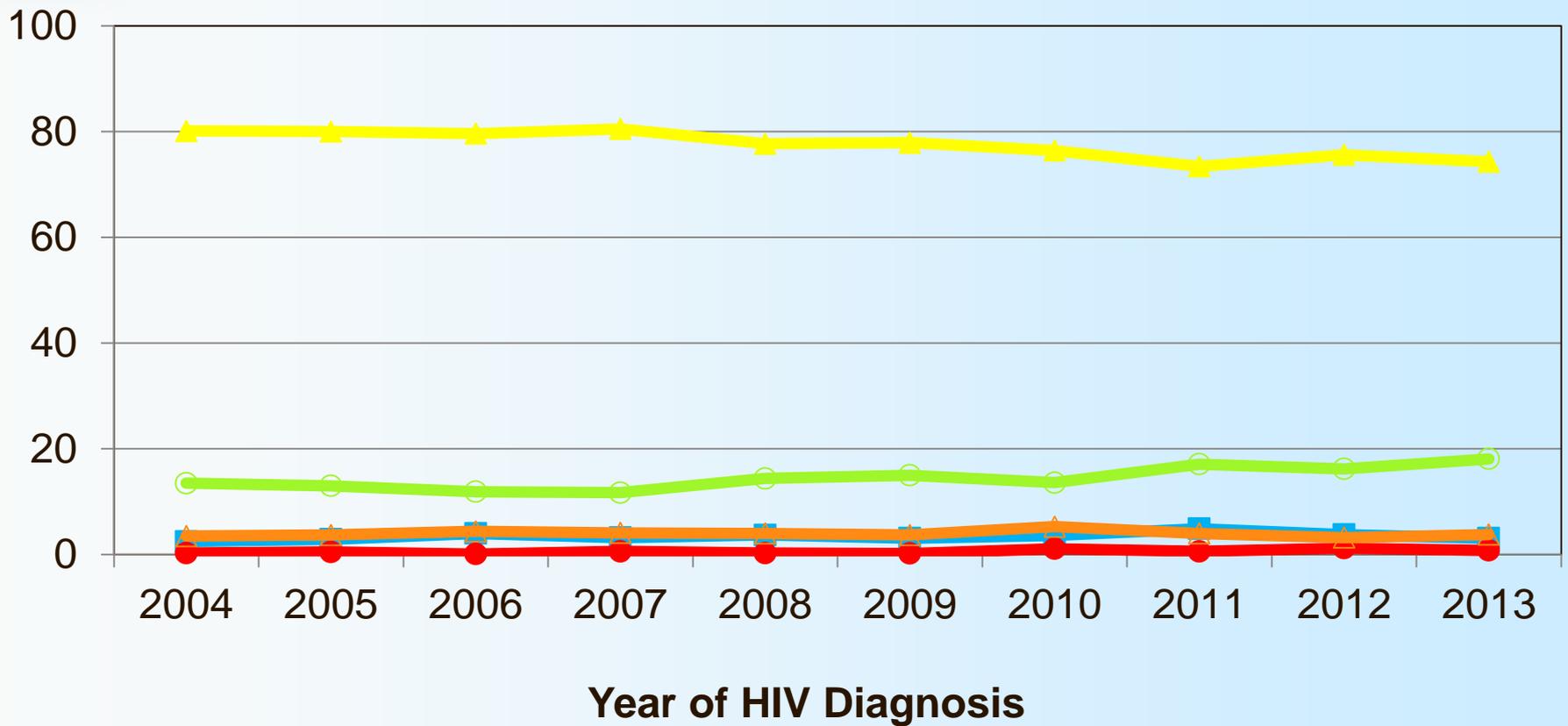


Population on 7/1/12, Cases on 12/31/13
as reported through 12/31/14

Adult/Adolescent HIV Diagnosis Trends by Race/ Ethnicity, Central 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

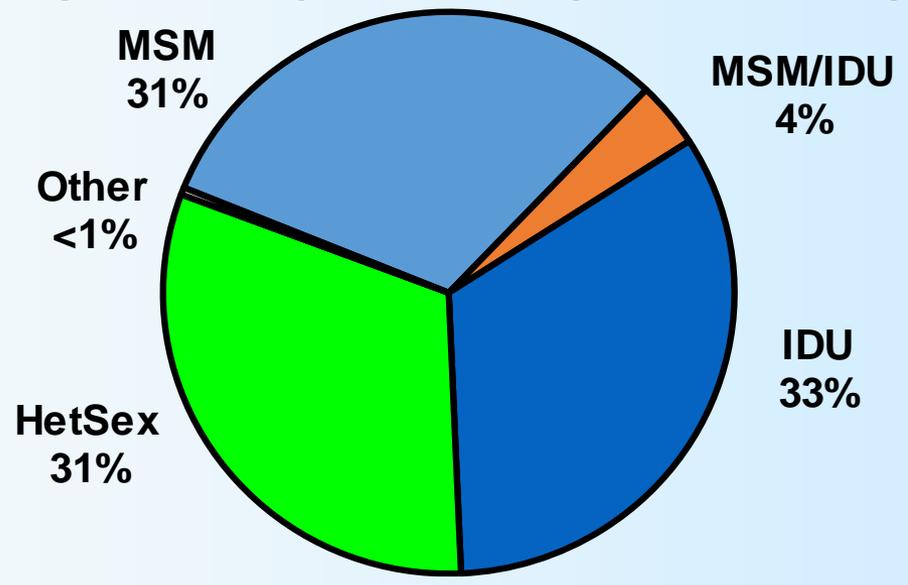
MSM/IDU: Men who have Sex with Men AND Inject Drugs

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, Central Region

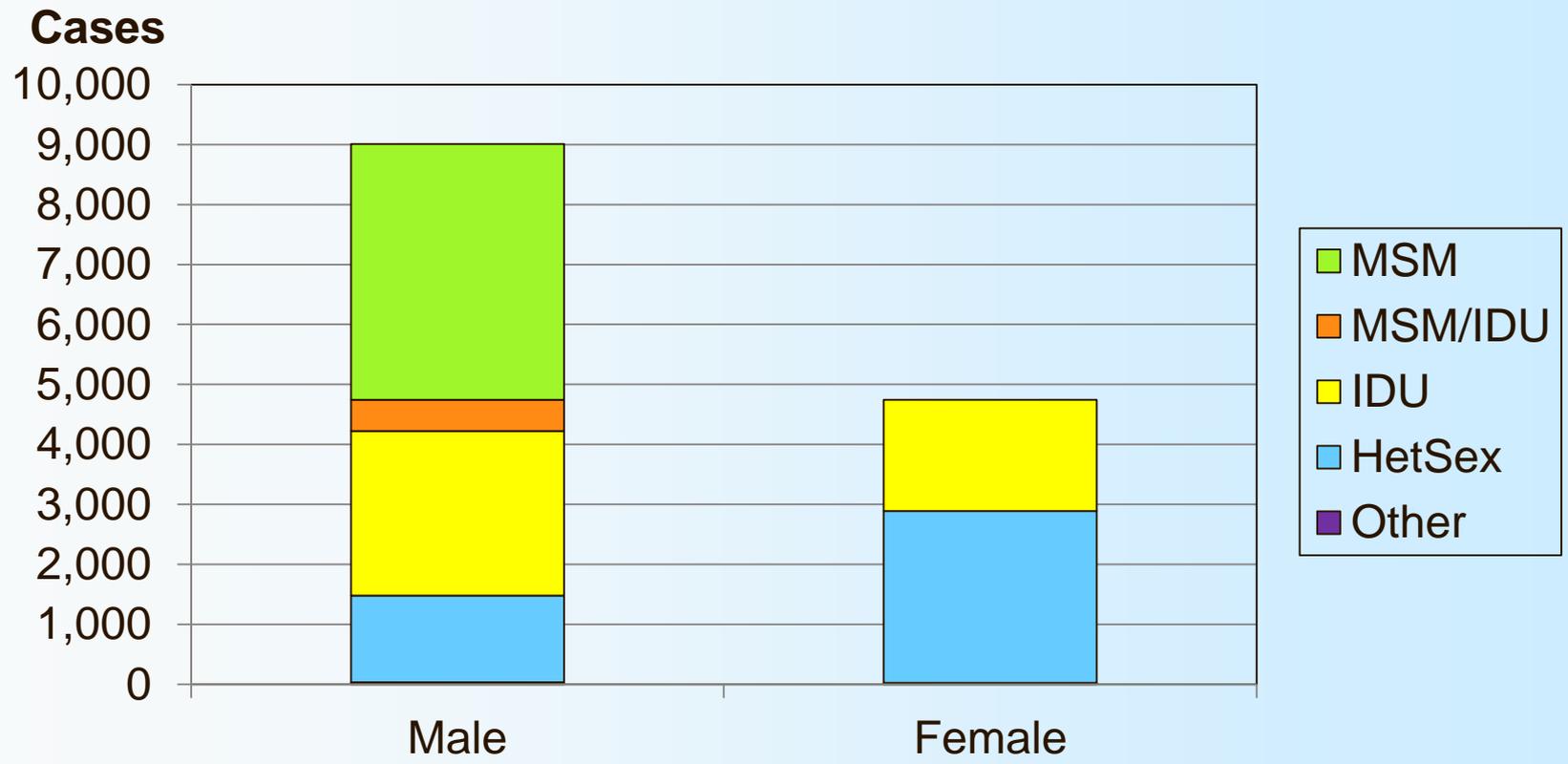
N (with Risk) = 13,749 (81% of Total)



Using data as reported through 12/31/2014



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

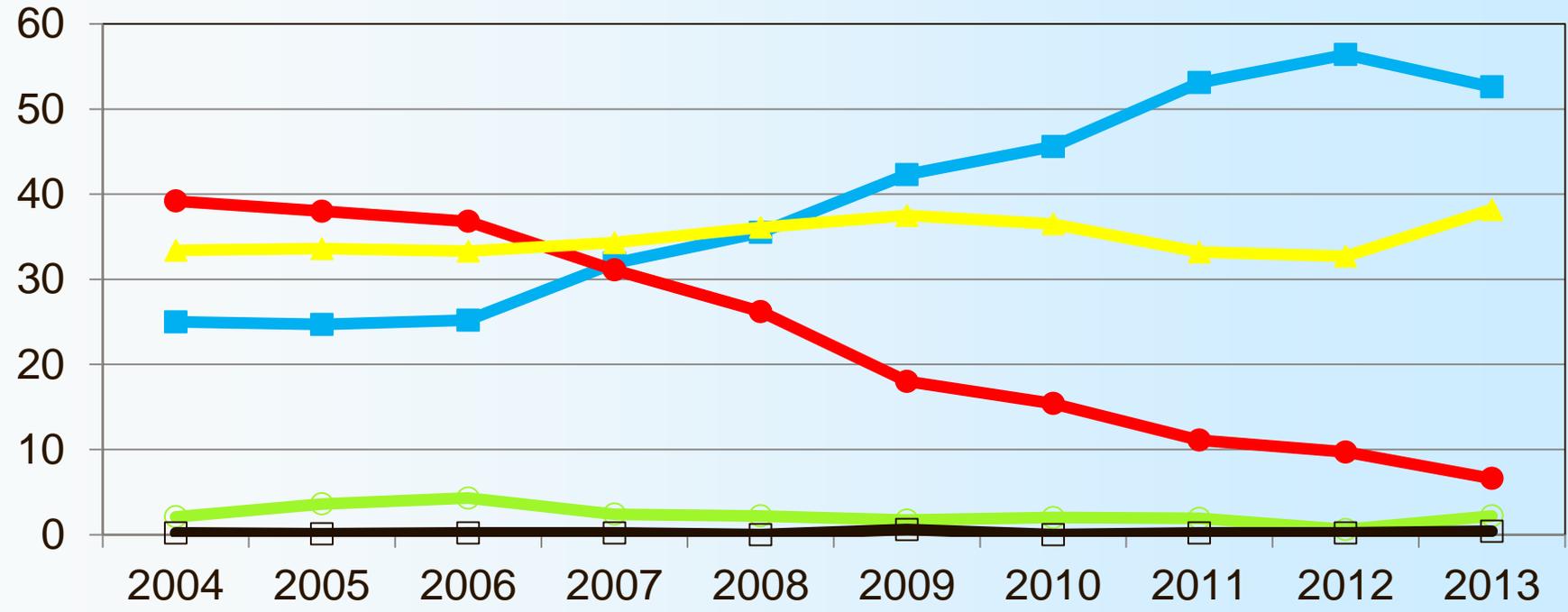


Using data as reported through 12/31/2014

Reported Adult/Adolescent HIV Diagnoses, Exposure Category Trends, Central Region



Percent



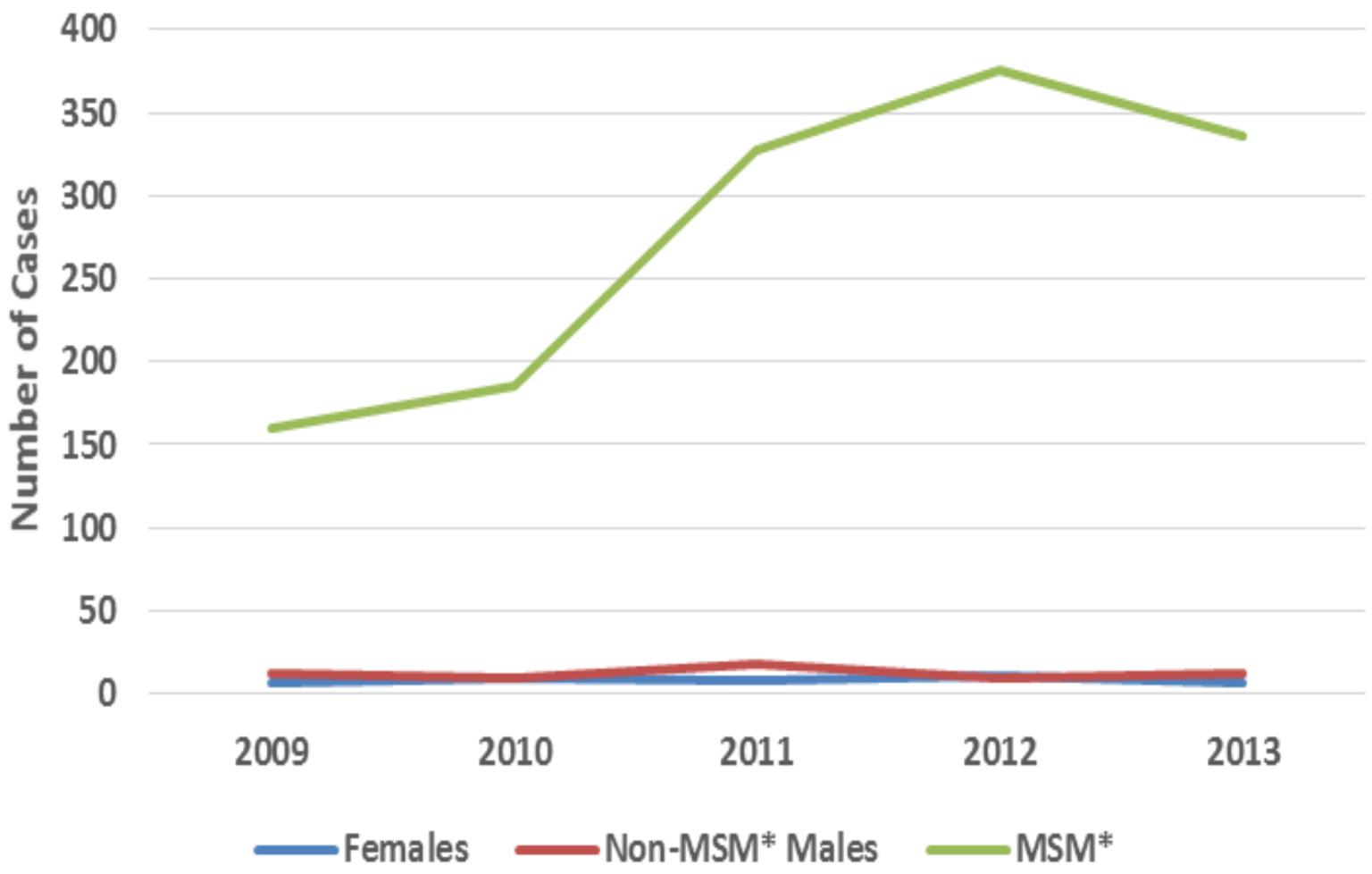
Year of HIV Diagnosis

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

Using data as reported through 12/31/2014

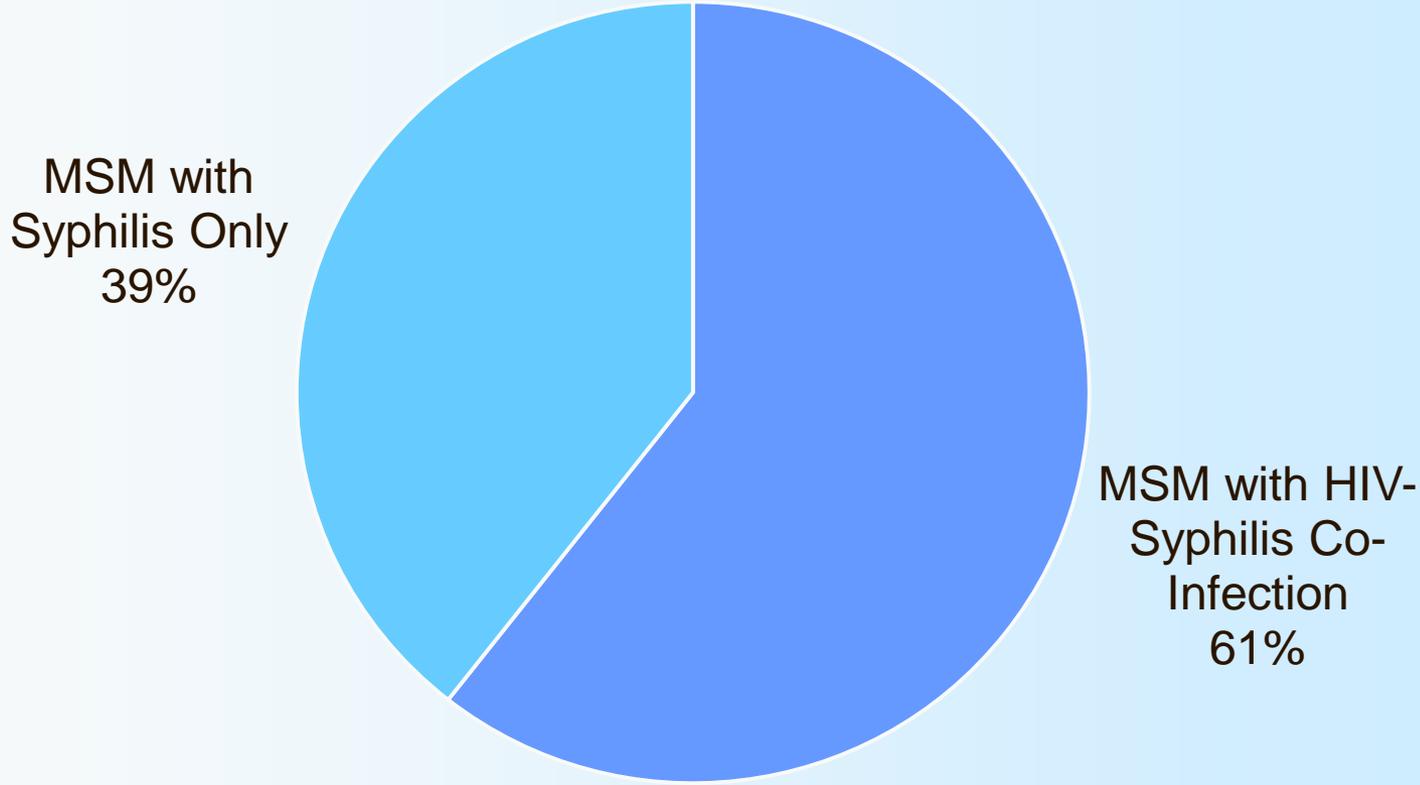


Early Syphilis-HIV Co-Infection, MD State 2009-2013



Source: DHMH Center for STI Prevention

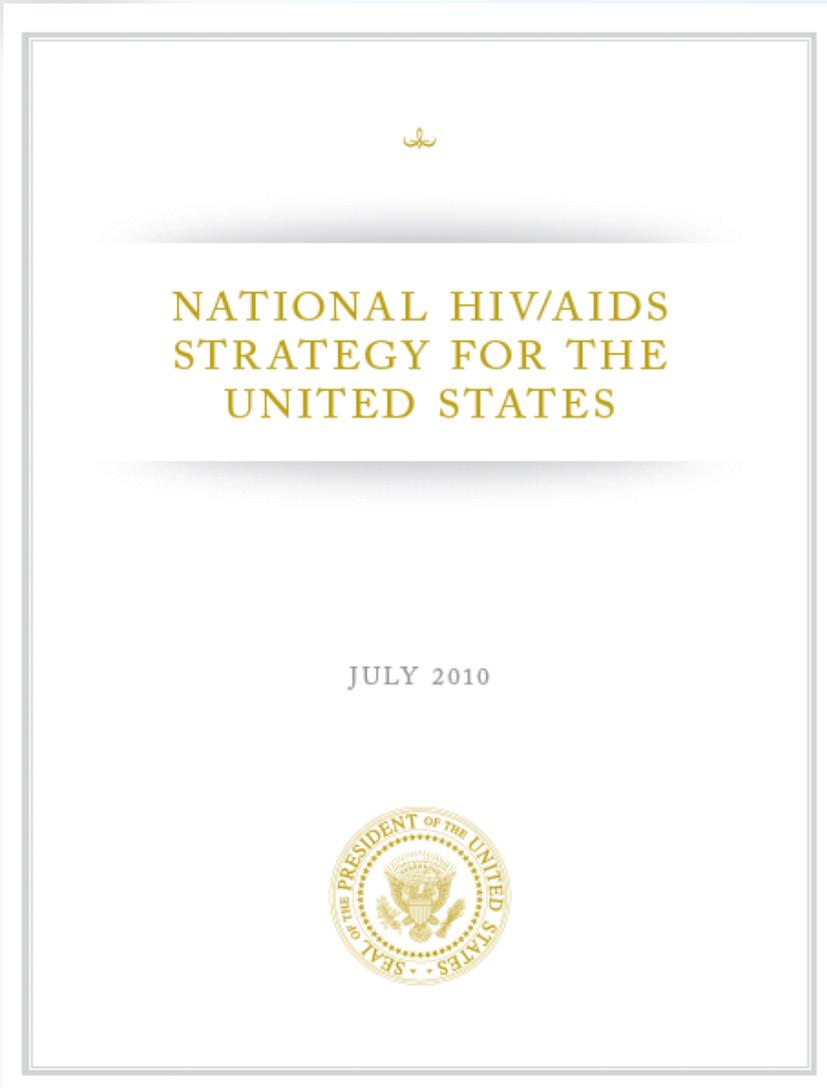
HIV Co-Infection among MSM with Reported Primary and Secondary Syphilis Cases, Maryland, 2013



NHAS 2010



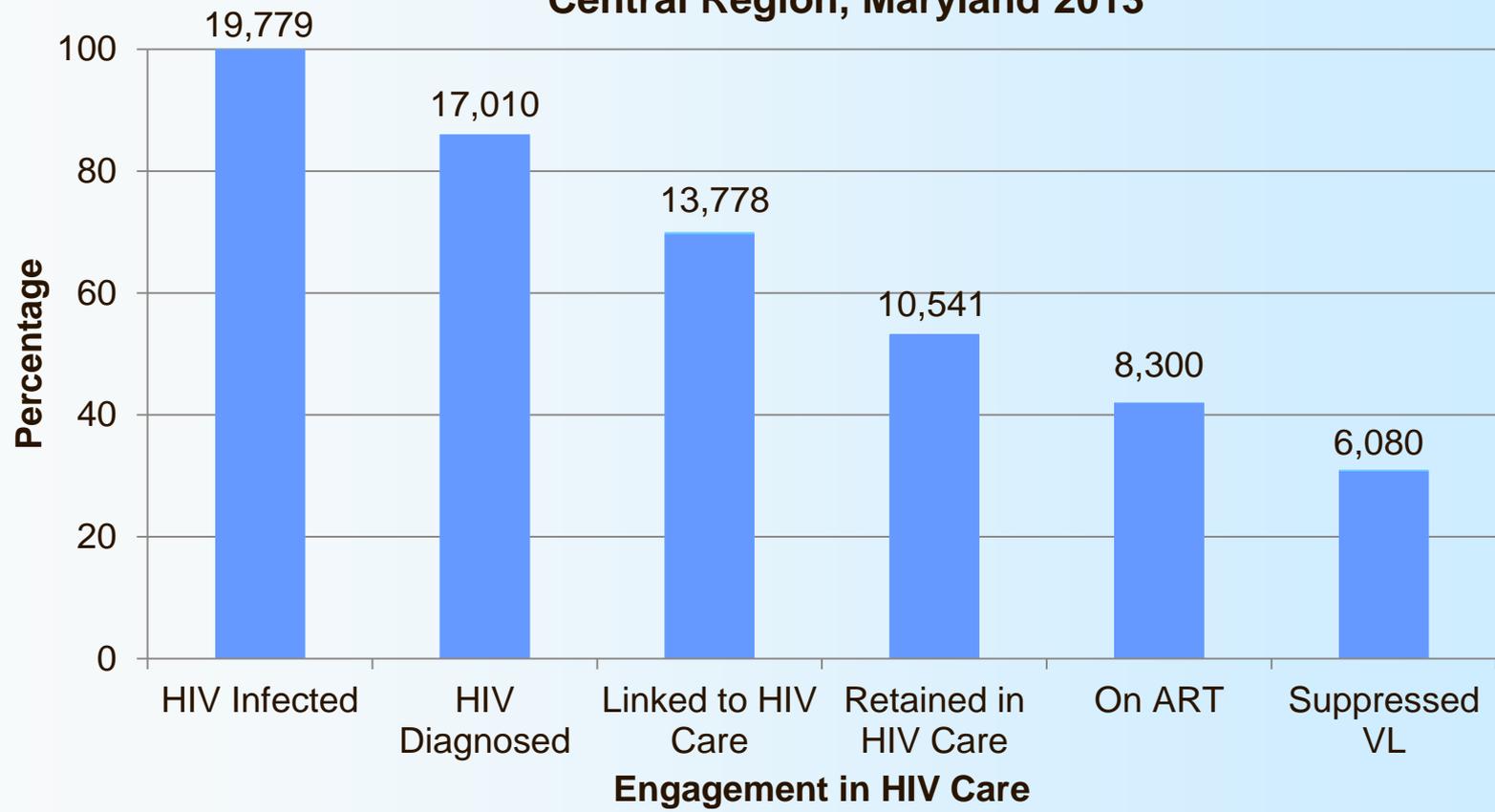
- Reducing new HIV infections
- Increasing access to care and improving health outcomes for people living with HIV
- Reducing HIV-related disparities and health inequities





Continuum of Care

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

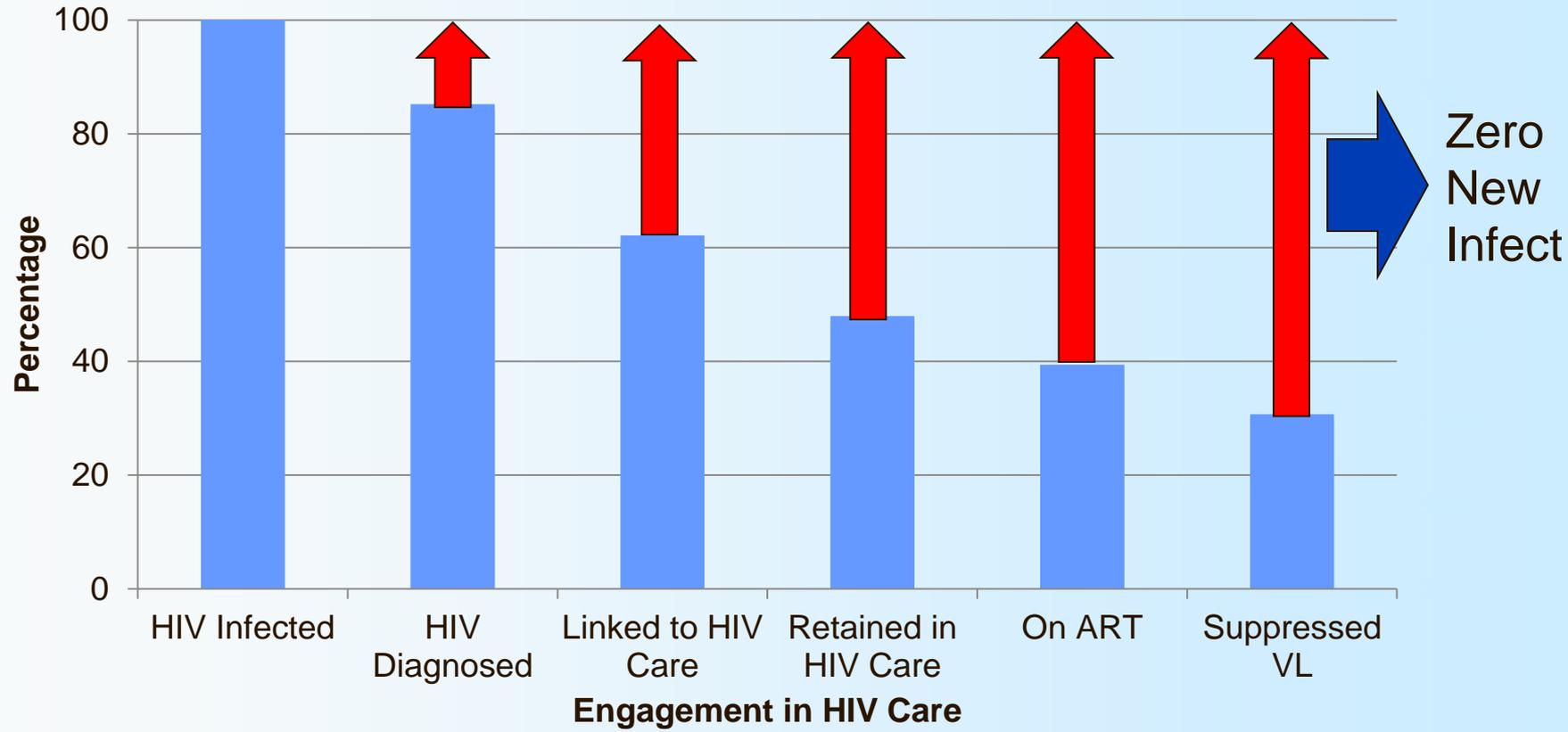


Using data as reported through 12/31/2014



Continuum of Care

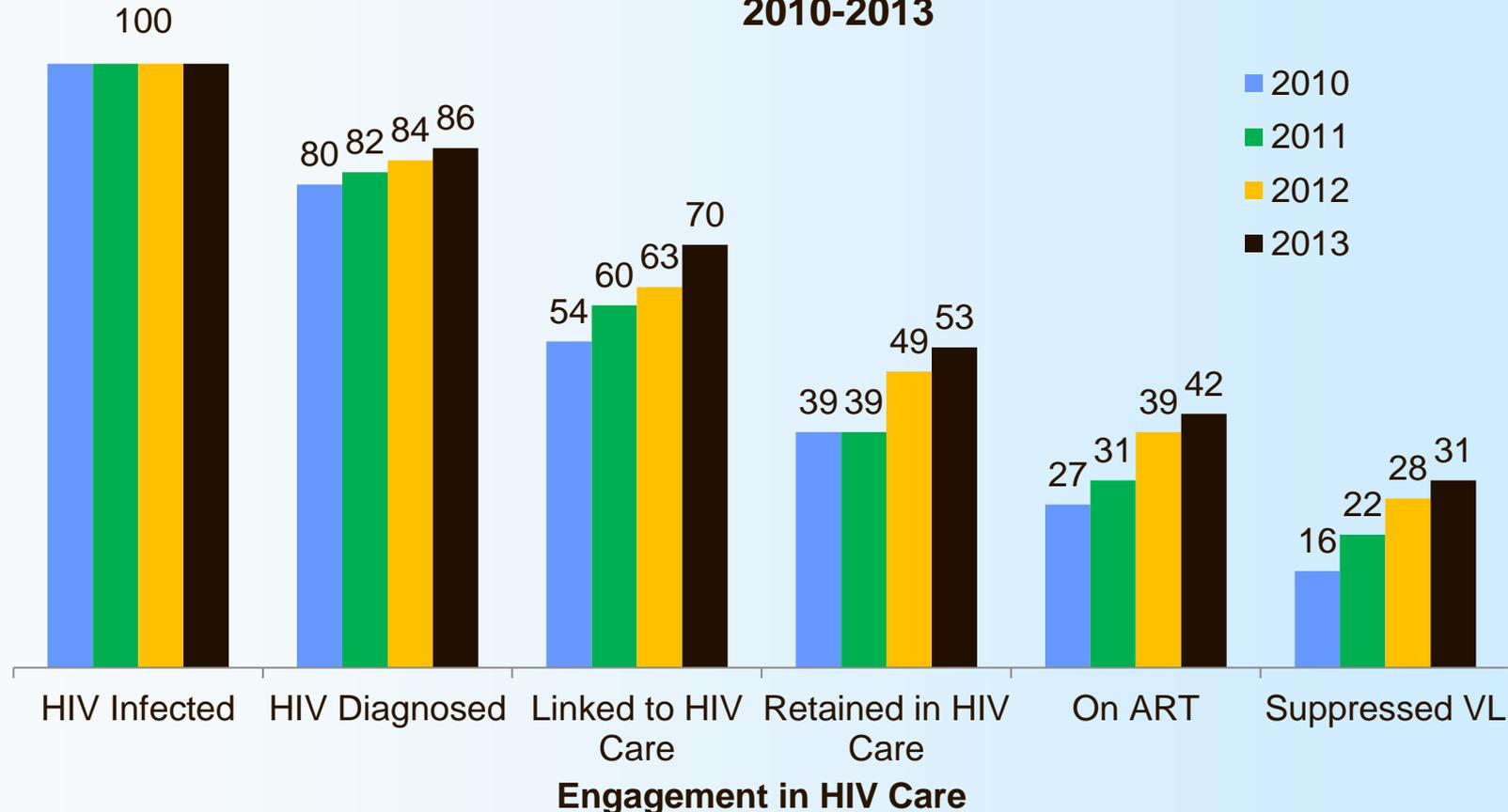
Estimated number and percentage of HIV infected adults/ adolescents engaged in selected stages of the continuum of care, Maryland 2013



Improvements in the Continuum of Care



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





Regional Summary

HIV/AIDS in the Central Region



- There were 17,010 living adult/adolescent HIV cases at the end of 2013
- There were 641 reported adult/adolescent HIV diagnoses during 2013
- Baltimore City (73%) had the greatest share of living cases
- Rates of living cases were 6-28 times higher in Baltimore City than in the surrounding counties

HIV/AIDS in the Central Region: Demographics



- Persons 30-59 years old were disproportionately affected (75% vs. 45%), but the proportions were increasing among 20-29 year olds and 50+ year olds
- Males were disproportionately affected (64% of cases vs. 48% of population), and the proportion male was increasing
- Non-Hispanic blacks were disproportionately affected (77% vs. 28%), but the proportions of non-Hispanic blacks were decreasing, while all others groups were increasing

HIV/AIDS in the Central Region: Exposure Category



- Sexual transmission predominates (>62%)
 - 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 (>33%), but the proportion IDU was decreasing



Prevention and Health Promotion Administration

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