



HIV IN THE MARYLAND PORTION OF THE WASHINGTON METROPOLITAN AREA

**PLANNING COUNCIL FOR SUBURBAN MARYLAND
JUNE 10, 2013**

**Colin Flynn, Chief
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.

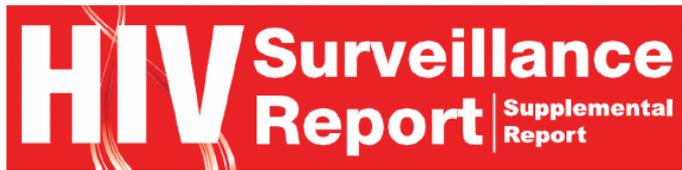
VISION

- 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 17, Number 3

Monitoring Selected National
HIV Prevention and Care Objectives
by Using HIV Surveillance Data—
United States and
6 U.S. Dependent Areas—2010

Part A

National Center for HIV/AIDS, Viral Hepatitis, STD, and TB Prevention
Division of HIV/AIDS Prevention



- CDC estimated 1,148,200 people were living with HIV at the end of 2009
- 18.1% were undiagnosed



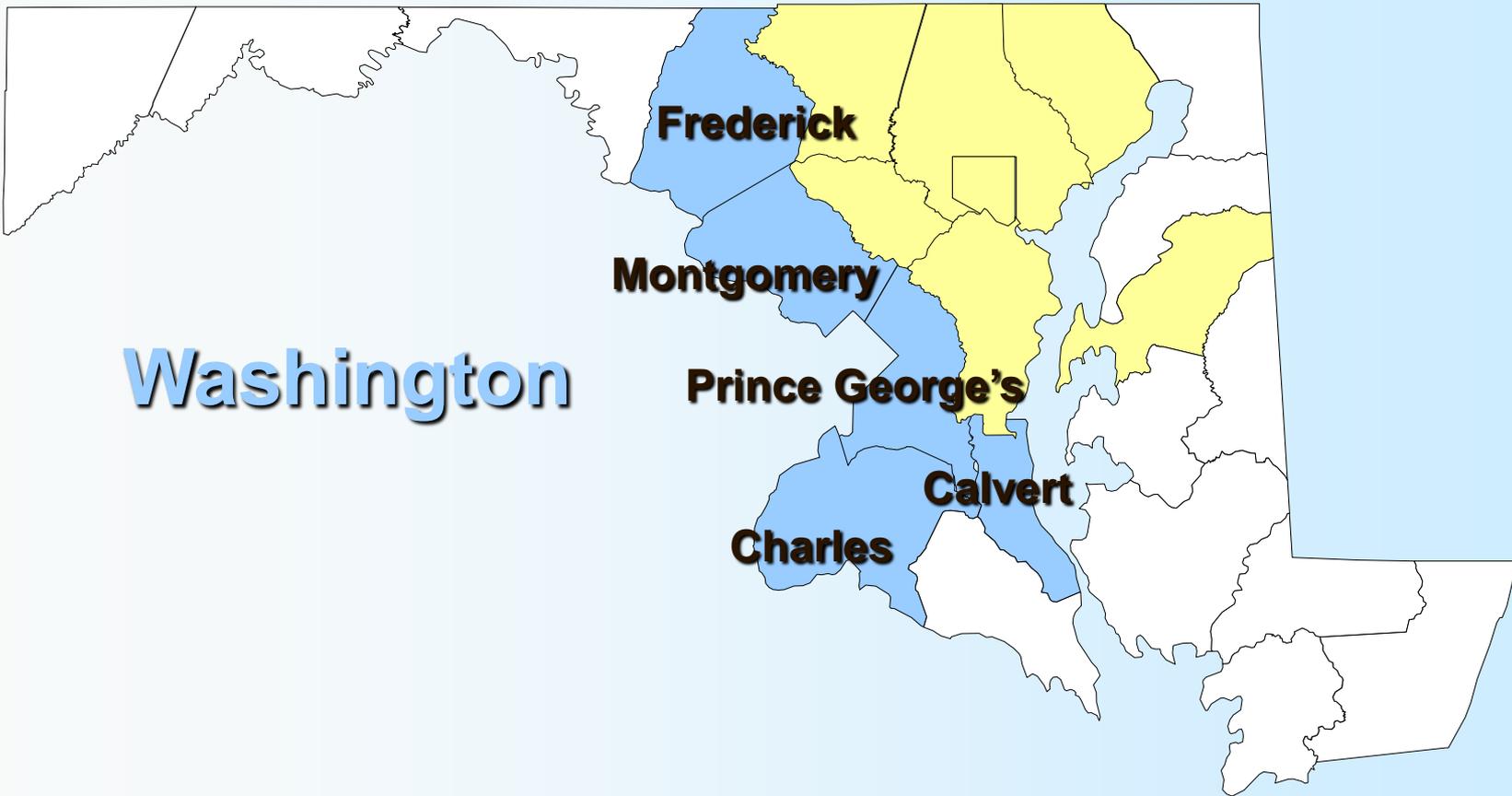
Estimated HIV Diagnoses during 2011, Ranked by Rates

<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
3. Maryland	1,783	30.6
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>

Maryland Ryan White Eligible Metropolitan Areas



Baltimore-Towson



Washington

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
5. Washington, DC-VA-MD-WV	1,969	34.5
6. Baltimore-Towson, MD	922	33.8
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
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<i>United States</i>	<i>50,161</i>	<i>15.9</i>

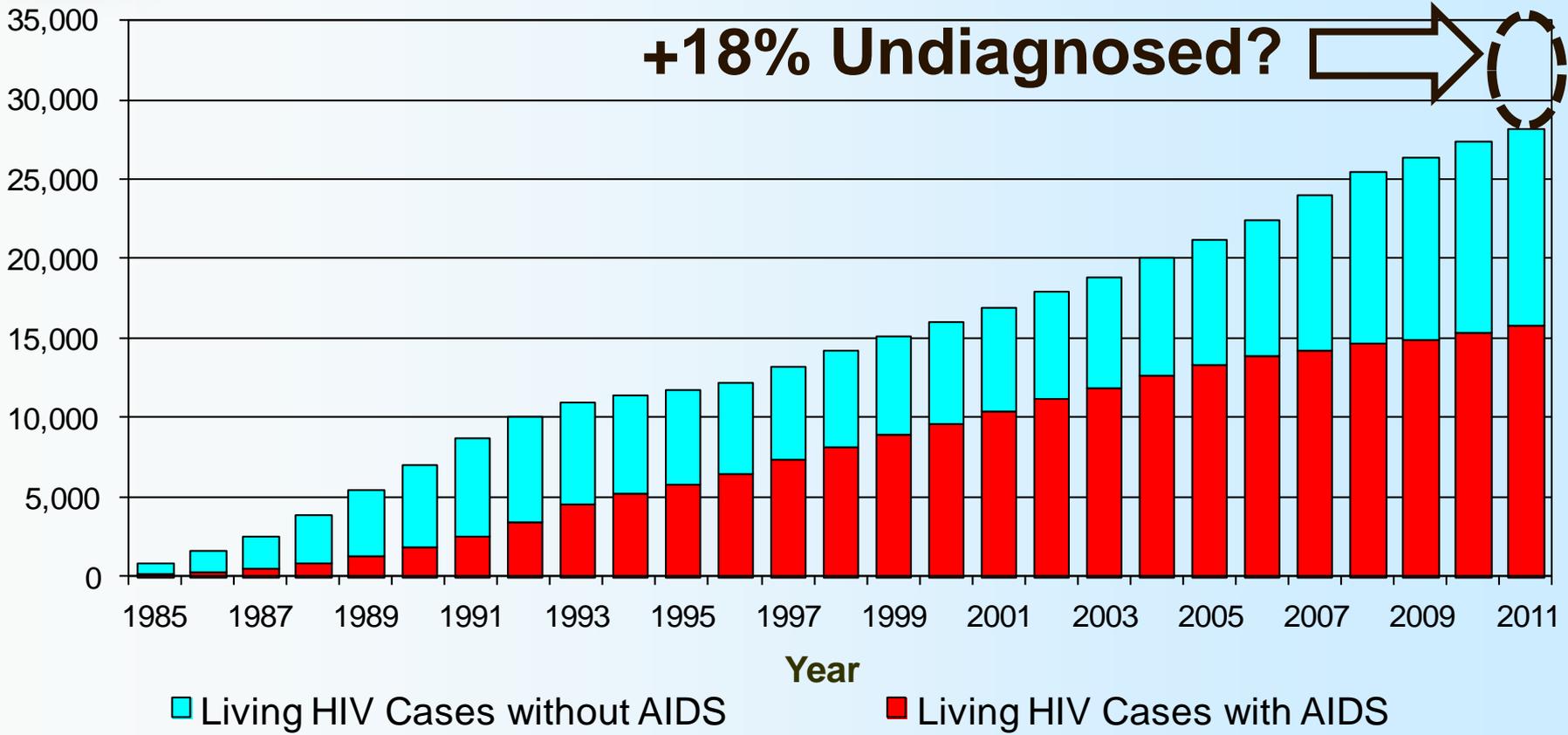


State Data

Maryland Living HIV Cases

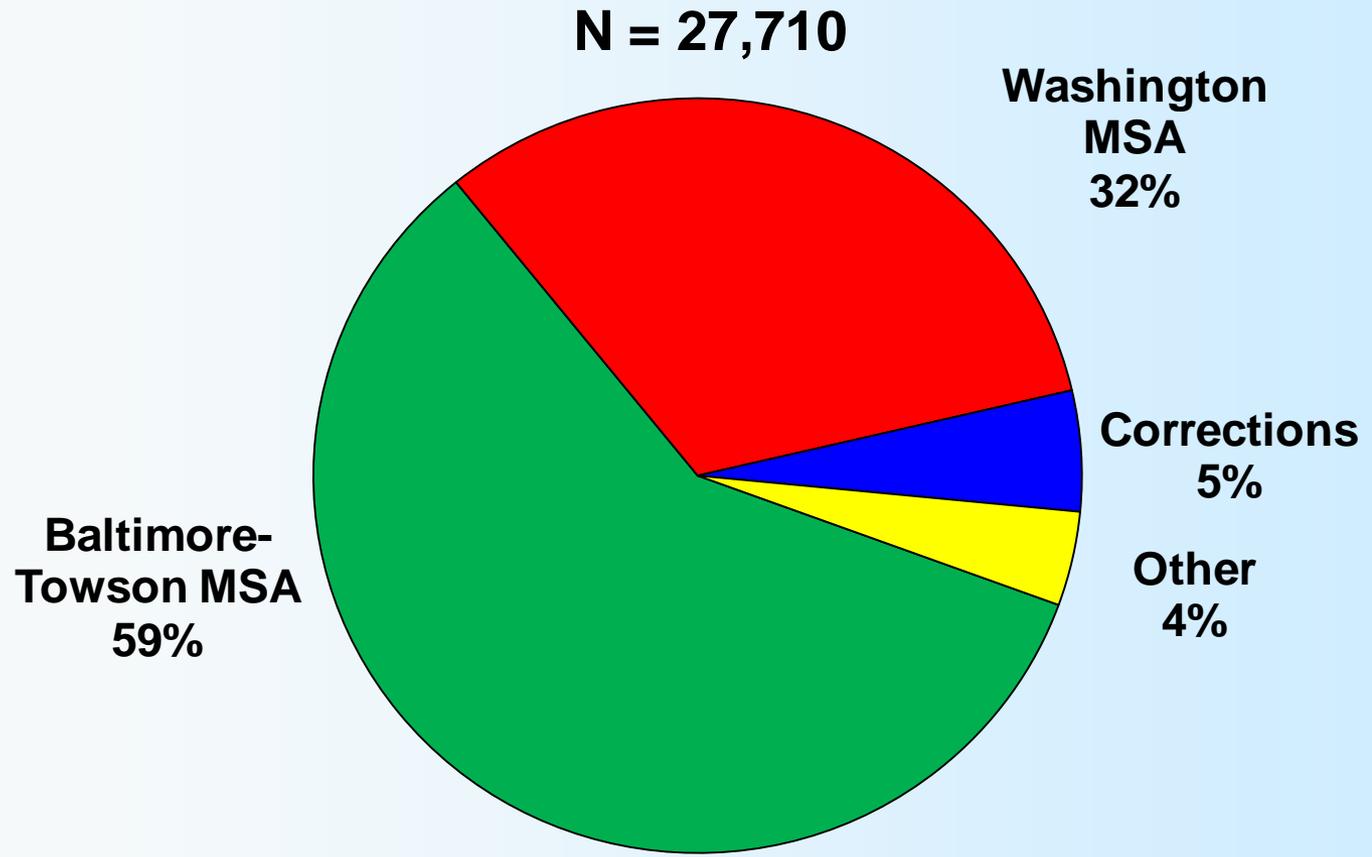


Number of Cases



Using data as reported through 12/31/2012

Maryland Living Adult/ Adolescent HIV Cases by MSA, 12/31/11

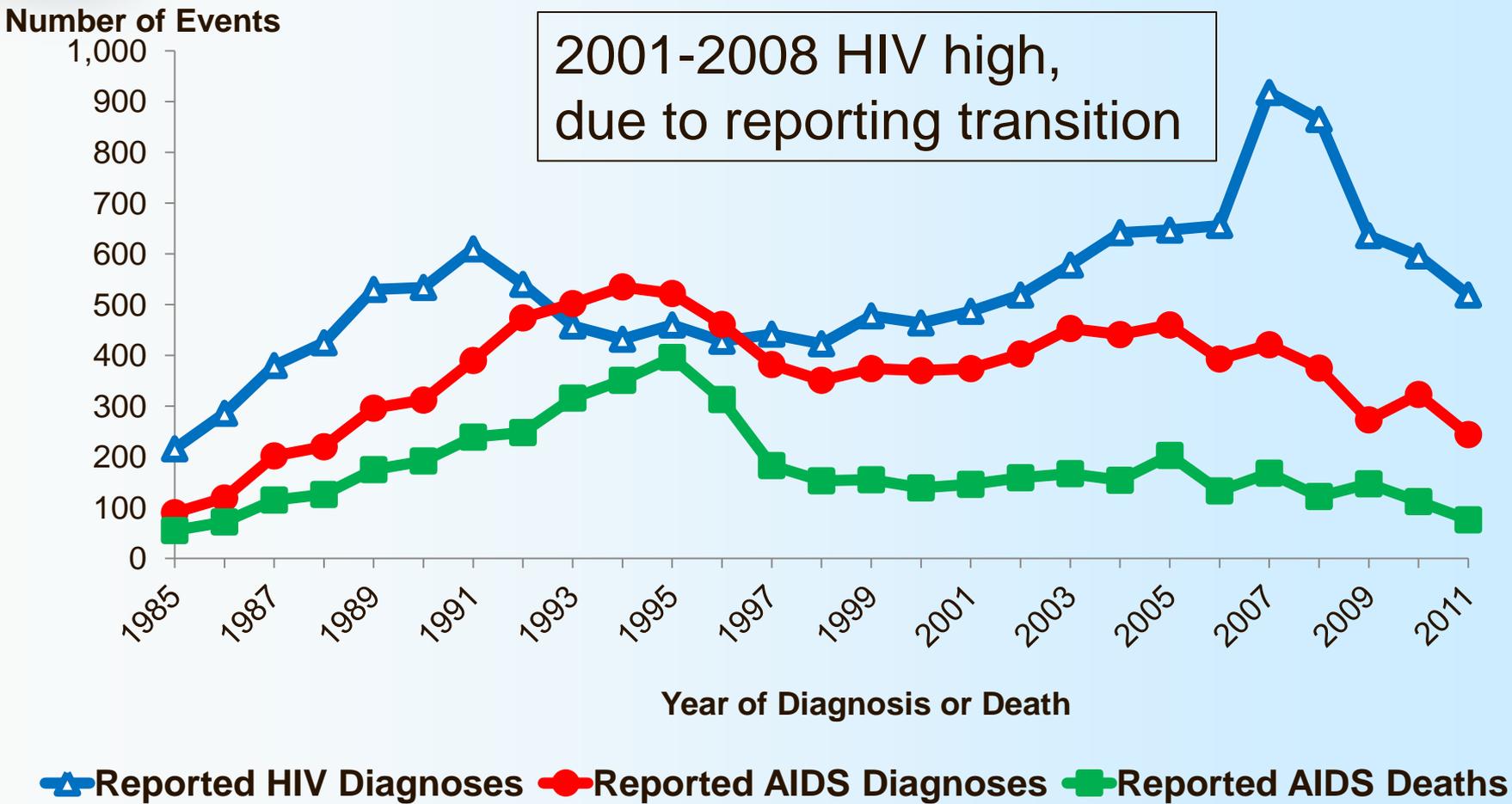


Using data as reported through 12/31/2012



Regional Data

HIV/AIDS Trends Washington MSA (MD)

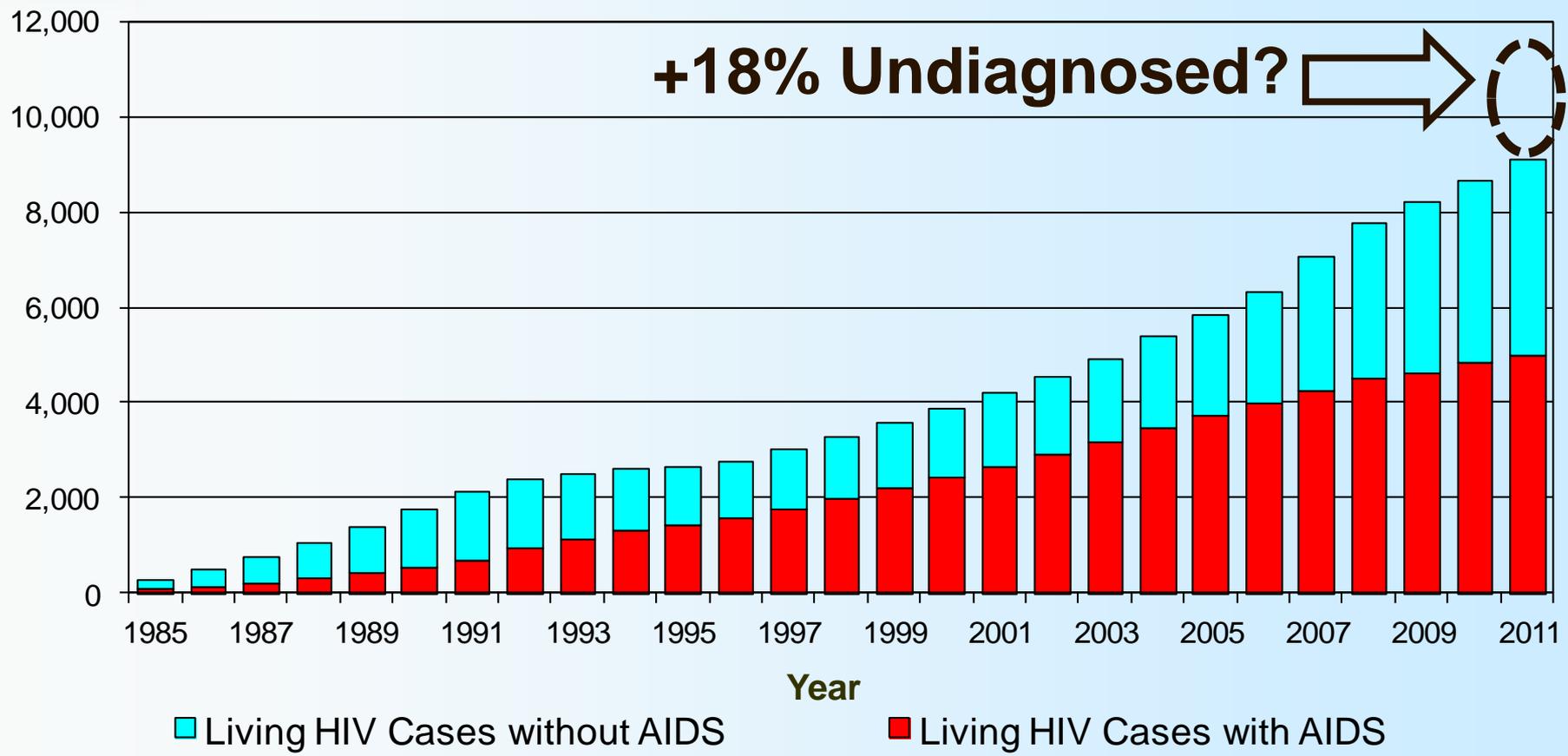


Using data as reported through 12/31/2012

Living HIV Cases Washington MSA (MD)



Number of Cases



Using data as reported through 12/31/2012



Adult/Adolescent Cases Washington MSA (Maryland)

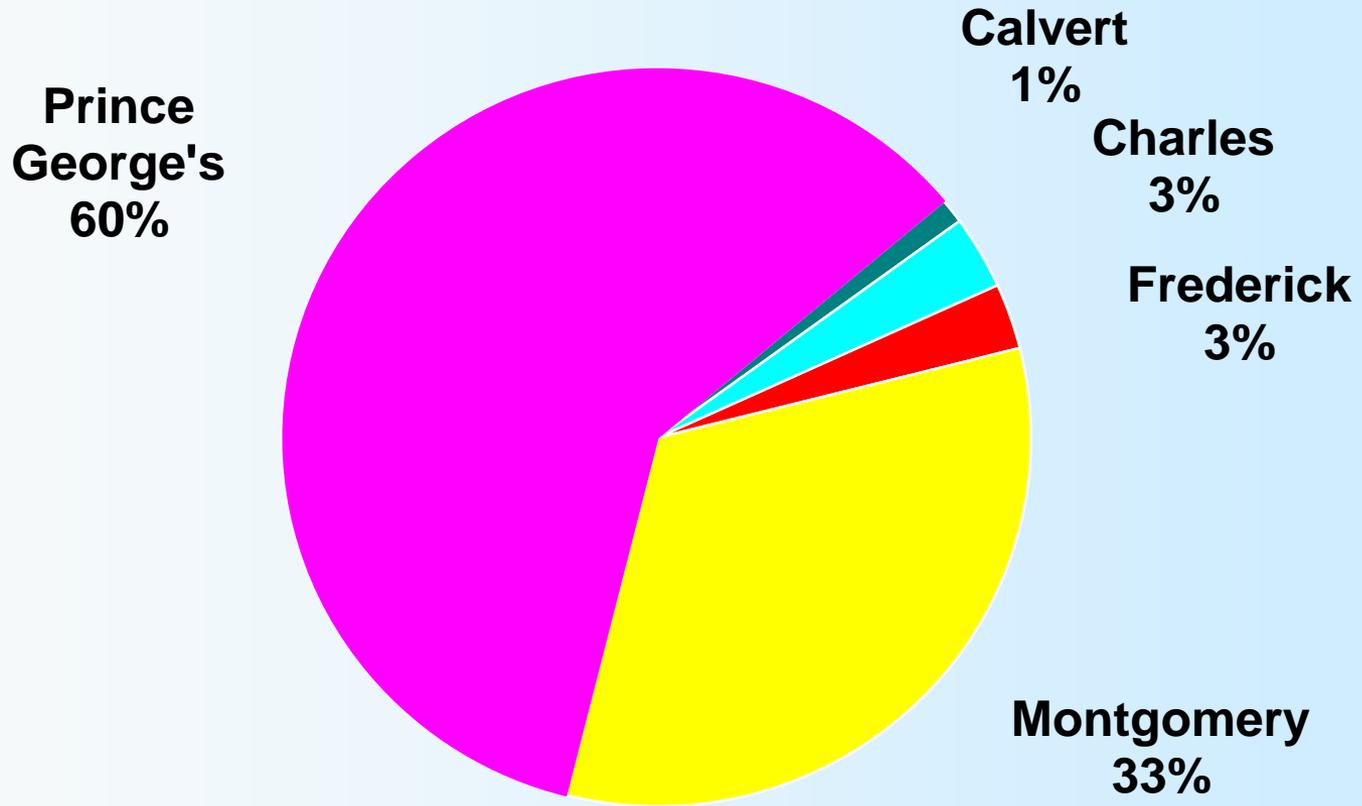
	Reported HIV Diagnoses during 2011	Living HIV Cases on 12/31/2011
Washington MSA (MD)	513	8,927
Calvert	10	98
Charles	15	287
Frederick	9	257
Montgomery	147	2,933
Prince George's	332	5,352

Using data as reported through 12/31/2012

Washington MSA (MD), Living Adult/Adolescent HIV Cases by County, 12/31/11



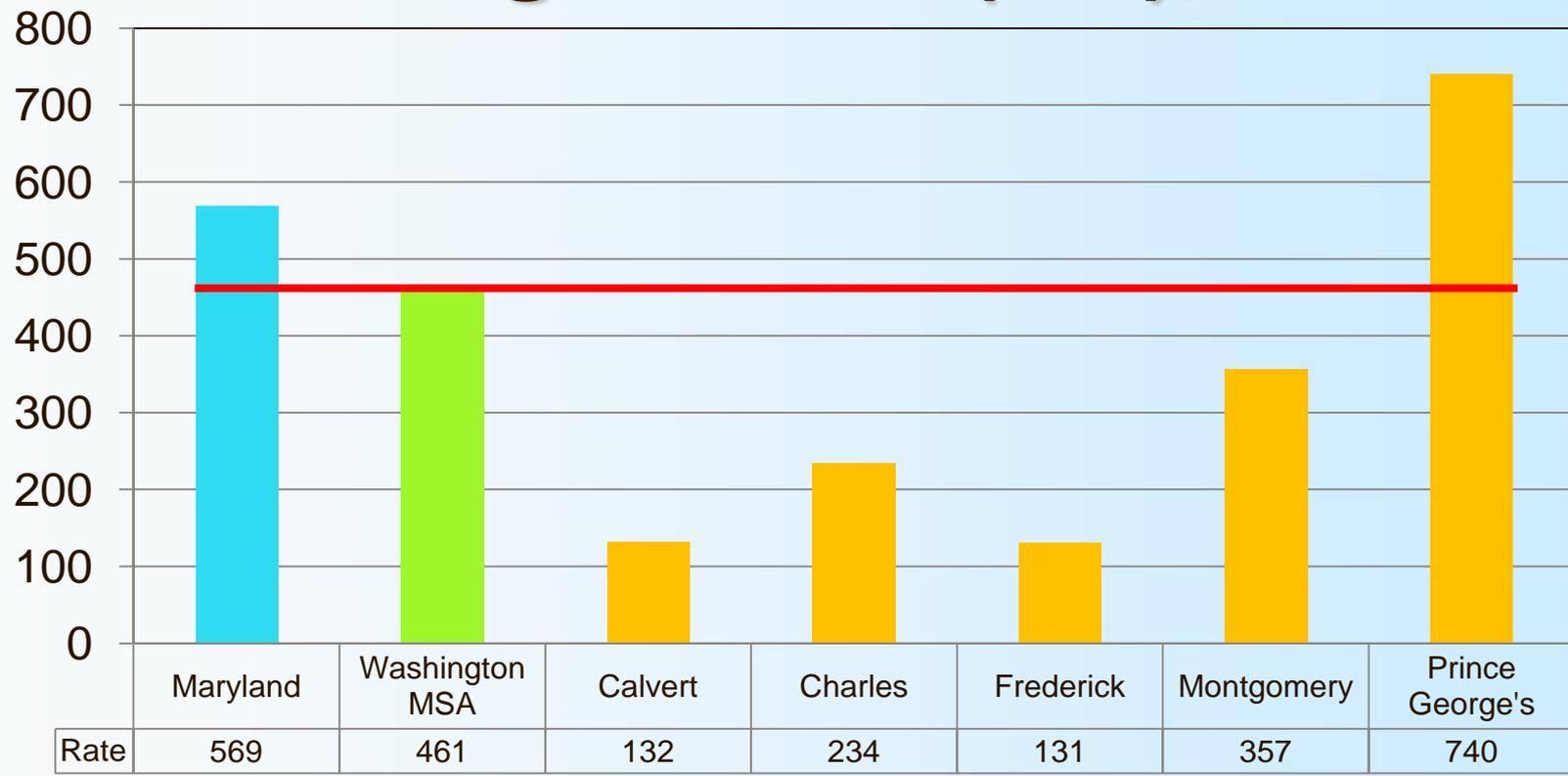
N = 8,927



Using data as reported through 12/31/2012

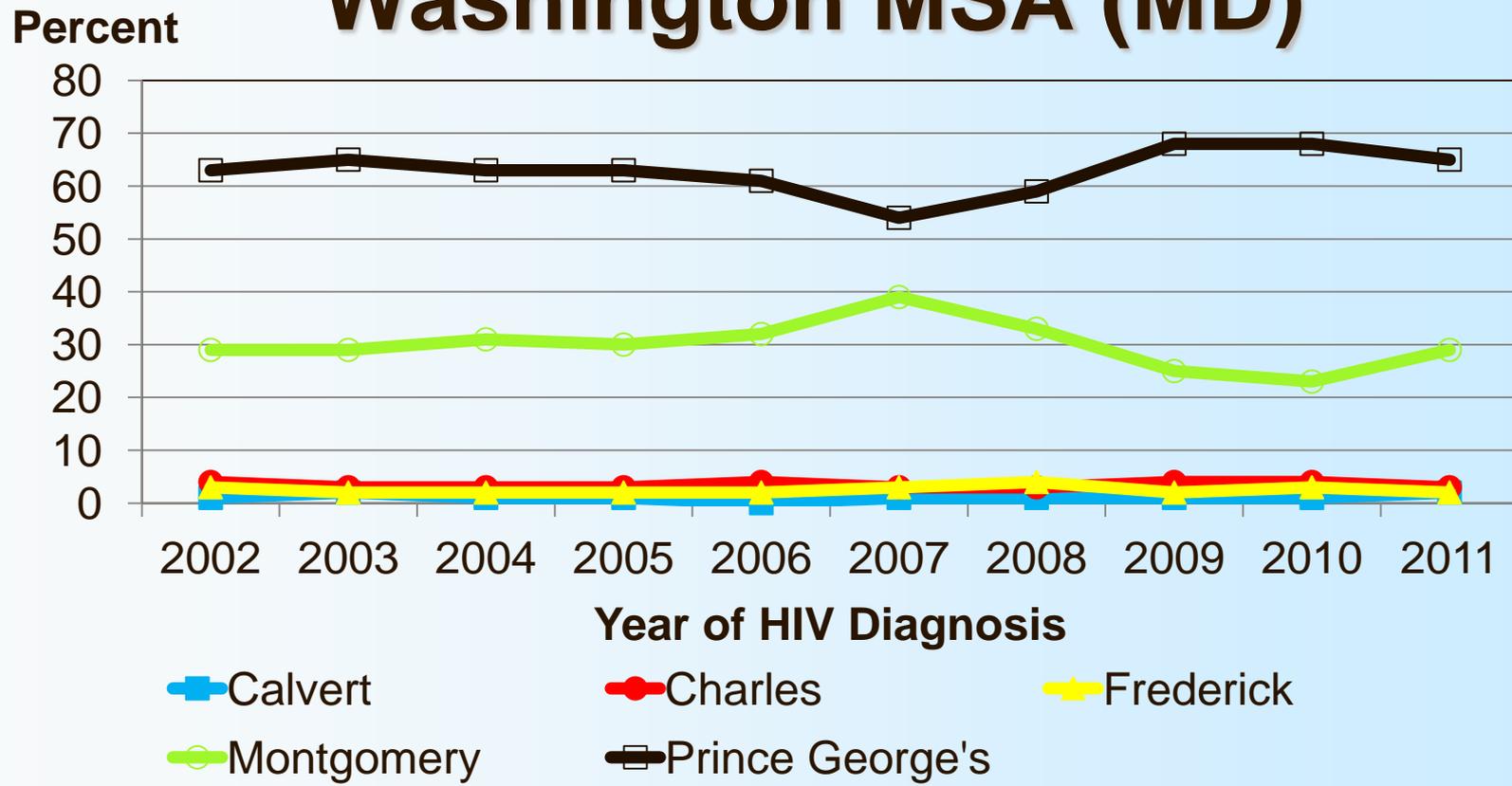


Living Adult/Adolescent HIV Case Rates per 100,000 Population by County, Washington MSA (MD), 12/31/11



Population on 7/1/11. Cases on 12/31/11
as reported through 12/31/12

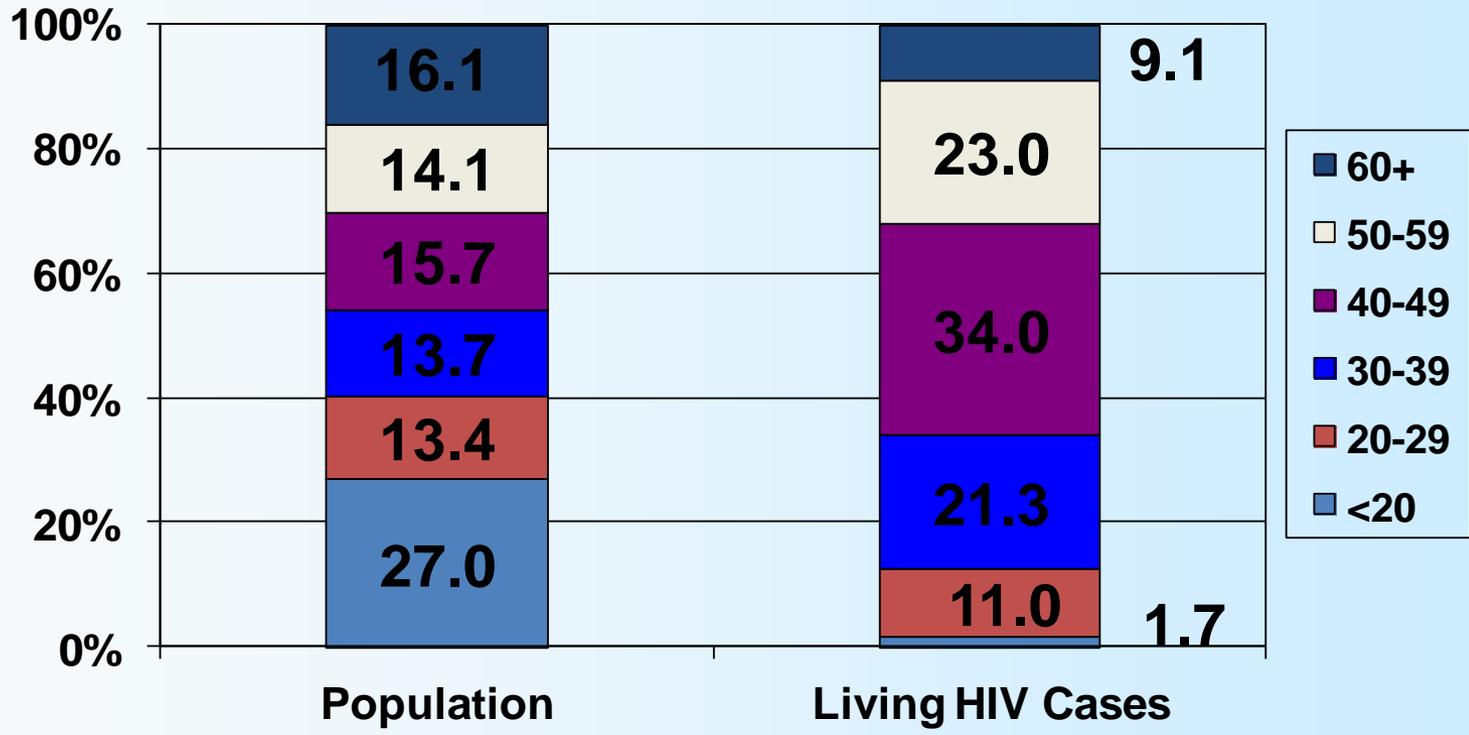
Reported Adult/Adolescent HIV Diagnosis Trends by Residence at Diagnosis, Washington MSA (MD)



Using data as reported through 12/31/2012



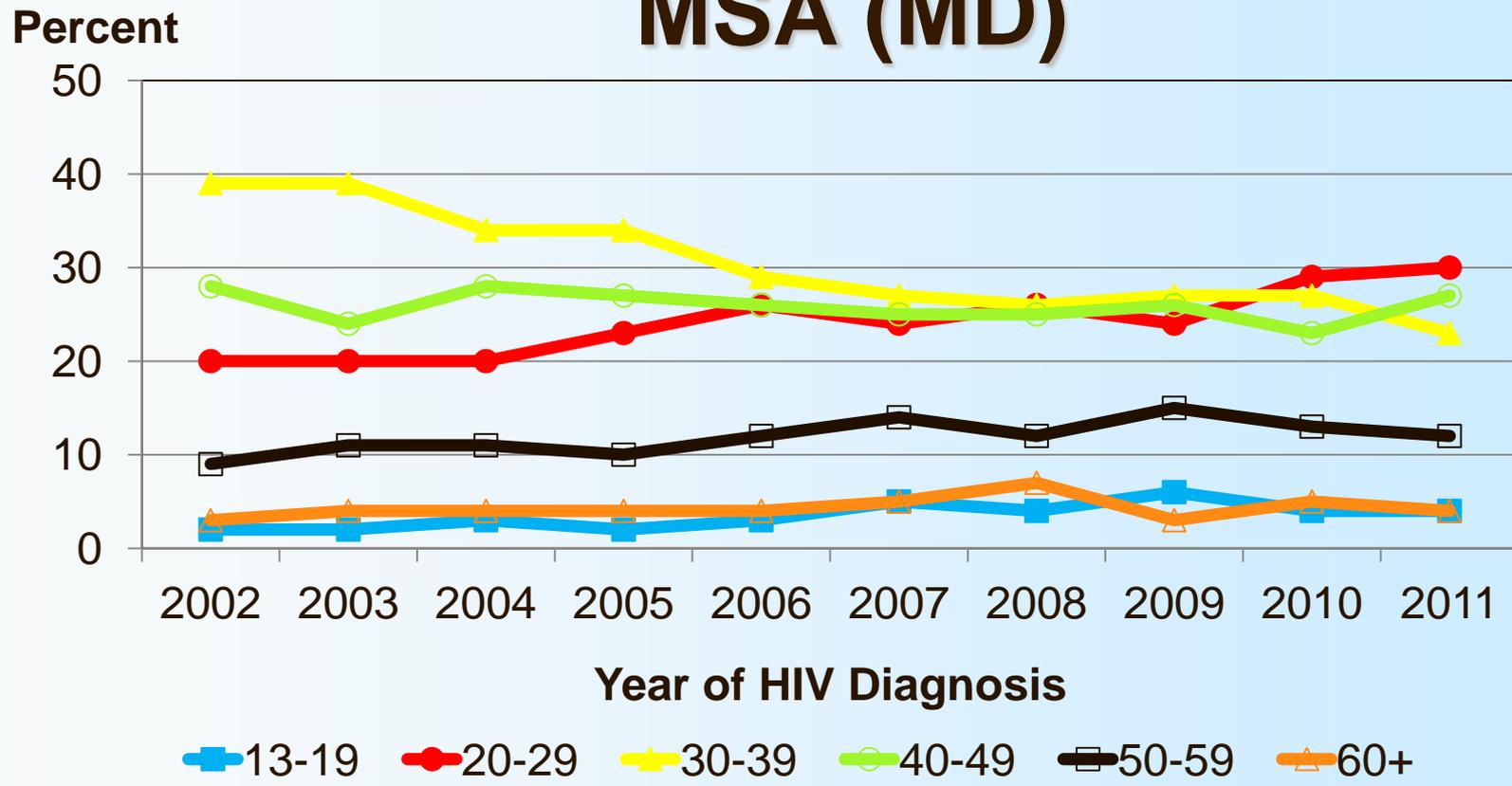
Adult/Adolescent Population and Living HIV Cases by Age, Washington MSA (MD)



Population on 4/1/10, Cases on 12/31/11
as reported through 12/31/12



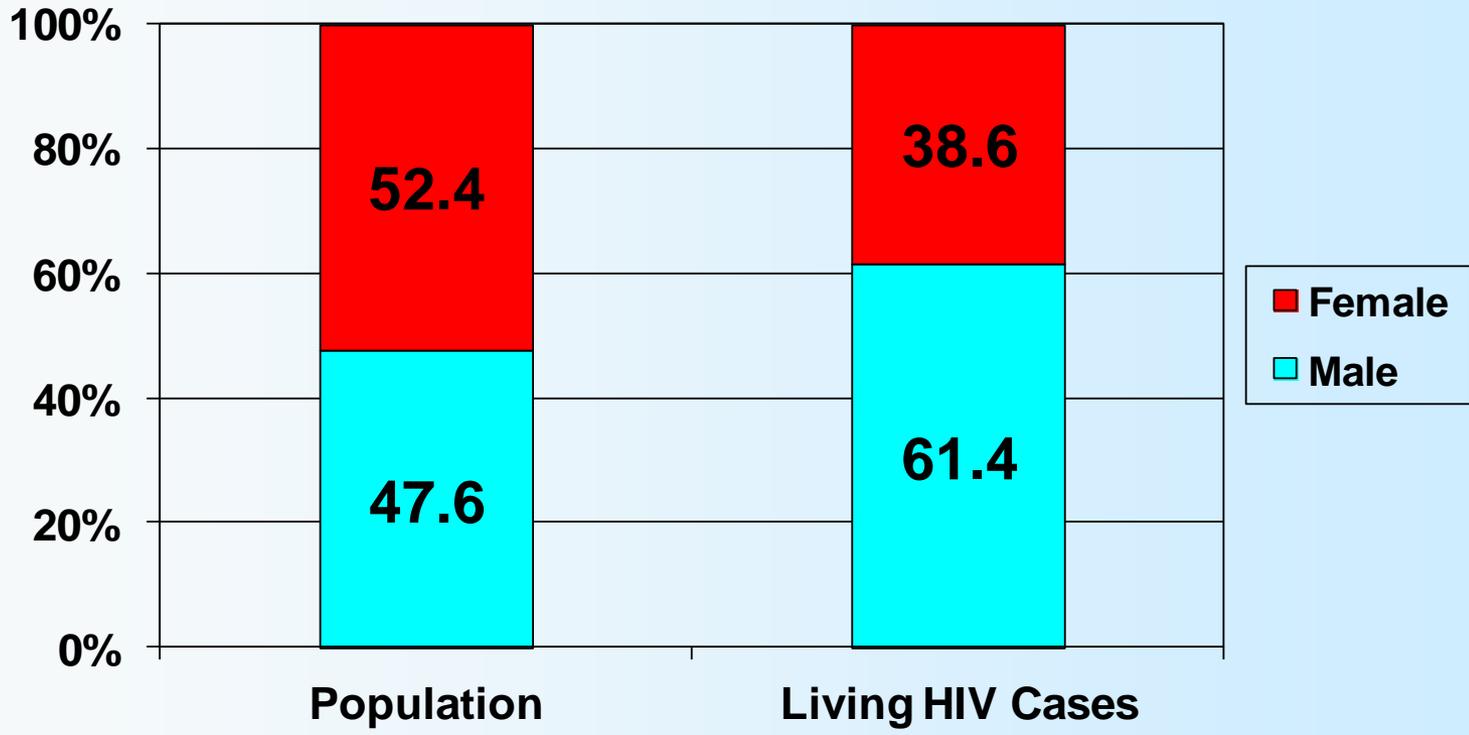
Reported Adult/Adolescent HIV Diagnosis Trends by Age at Diagnosis, Washington MSA (MD)



Using data as reported through 12/31/2012

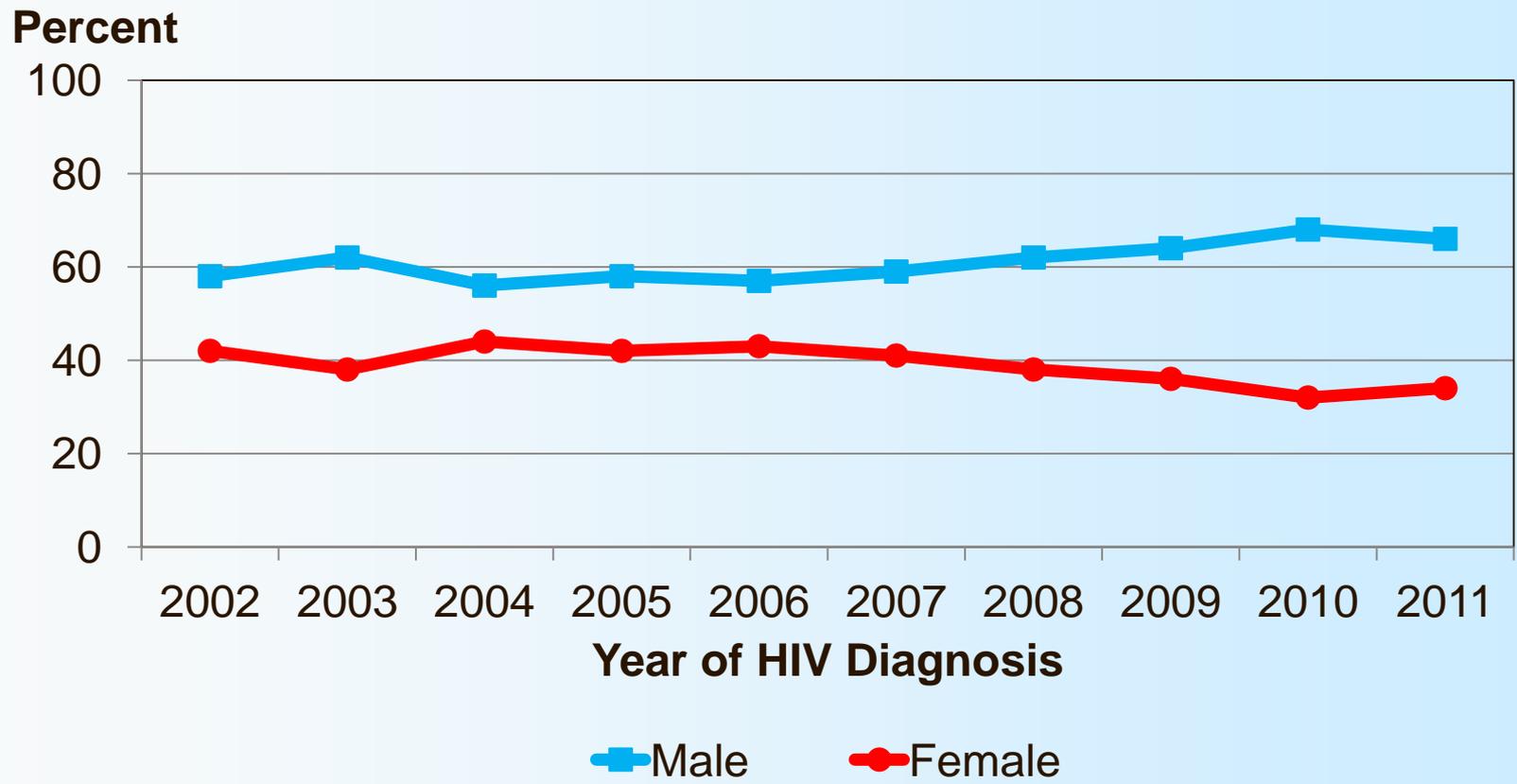


Population and Living Adult/ Adolescent HIV Cases by Sex at Birth, Washington MSA (MD)



Population on 4/1/10, Cases on 12/31/11
as reported through 12/31/12

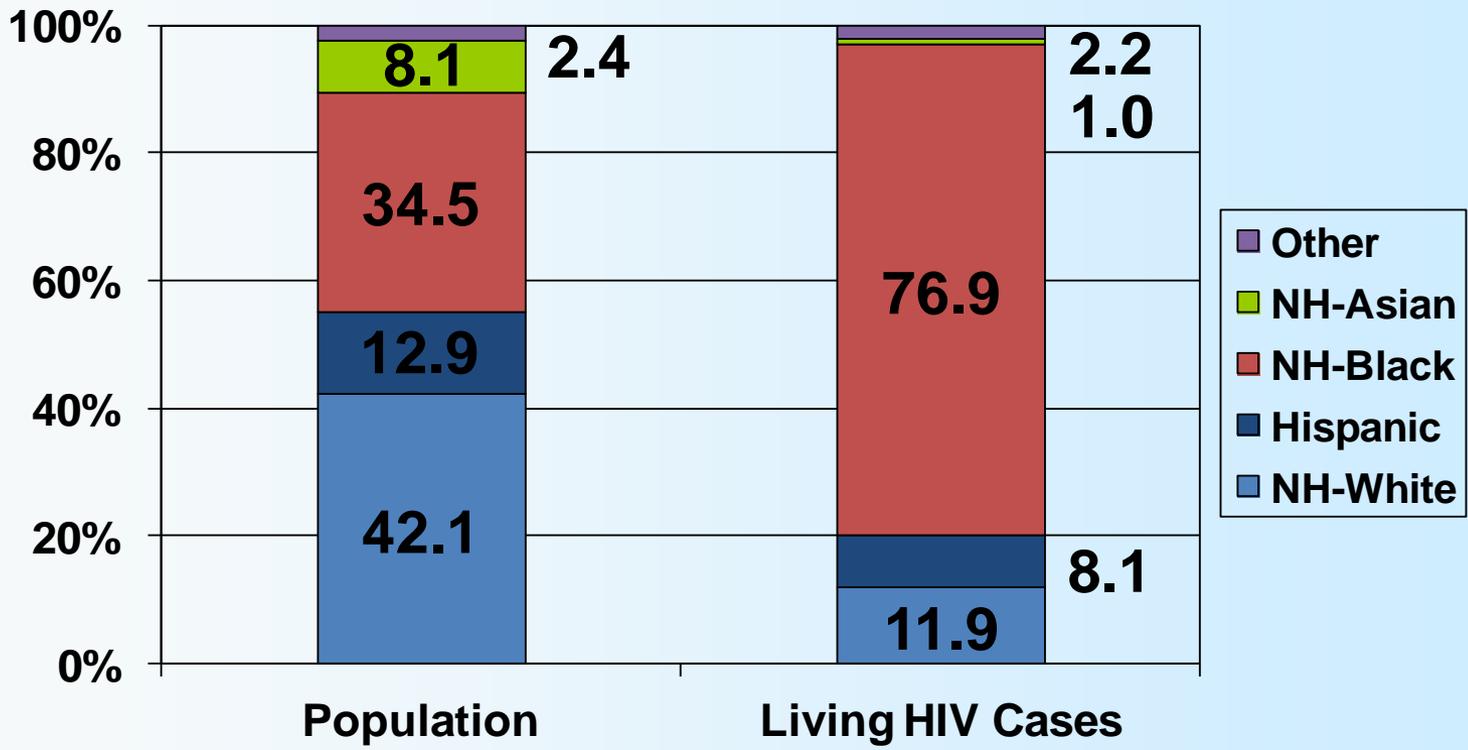
Reported Adult/Adolescent HIV Diagnosis Trends by Sex at Birth, Washington MSA (MD)



Using data as reported through 12/31/2012



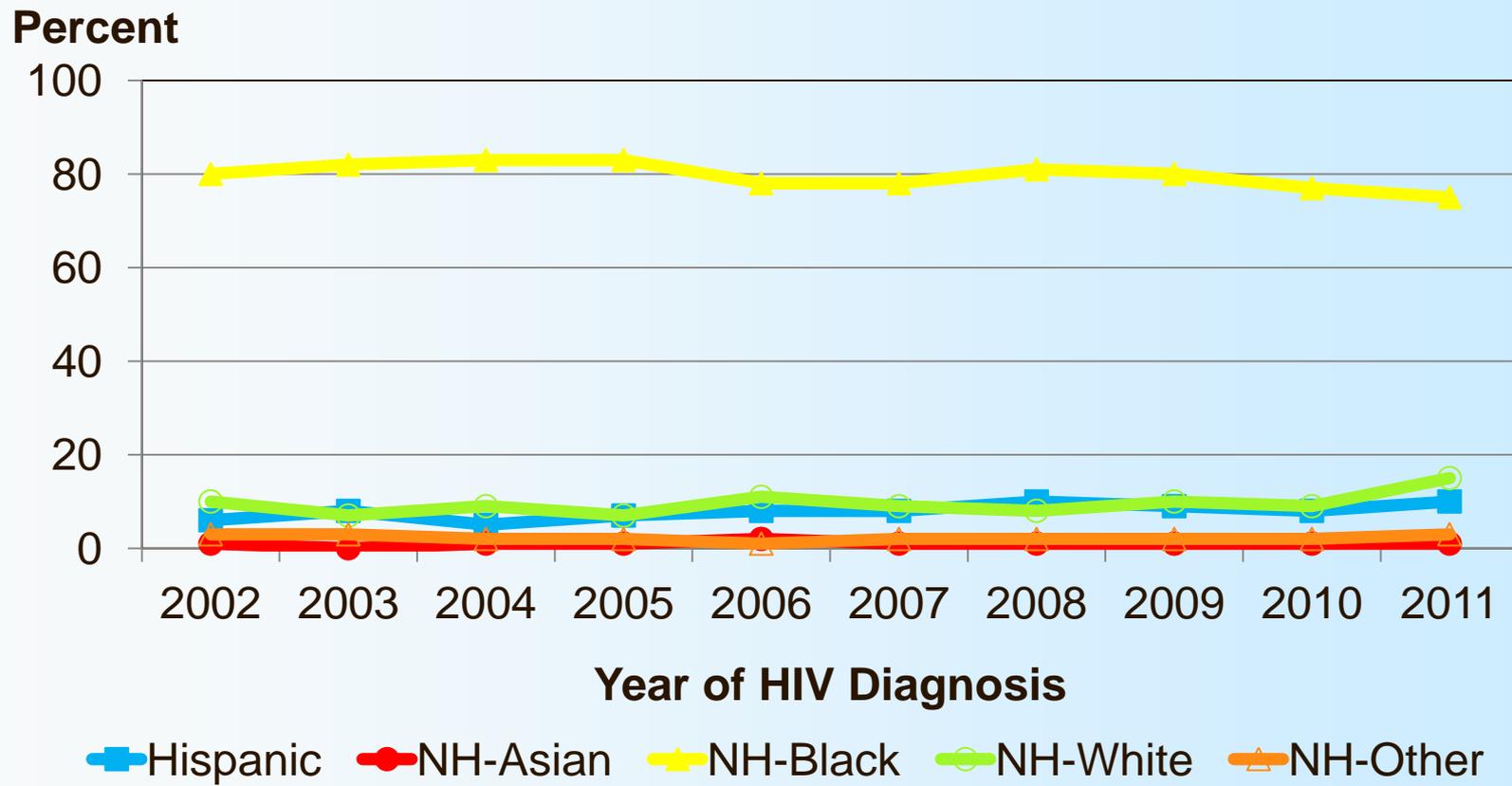
Adult/Adolescent Population and Living HIV Cases by Race/ Ethnicity, Washington MSA (MD)



Population on 4/1/10, Cases on 12/31/11
as reported through 12/31/12



Reported Adult/Adolescent HIV Diagnosis Trends by Race/Ethnicity, Washington MSA (MD)



Using data as reported through 12/31/2012

Living Adult/Adolescent HIV Cases on 12/31/11 by Country of Birth, Washington MSA (MD)

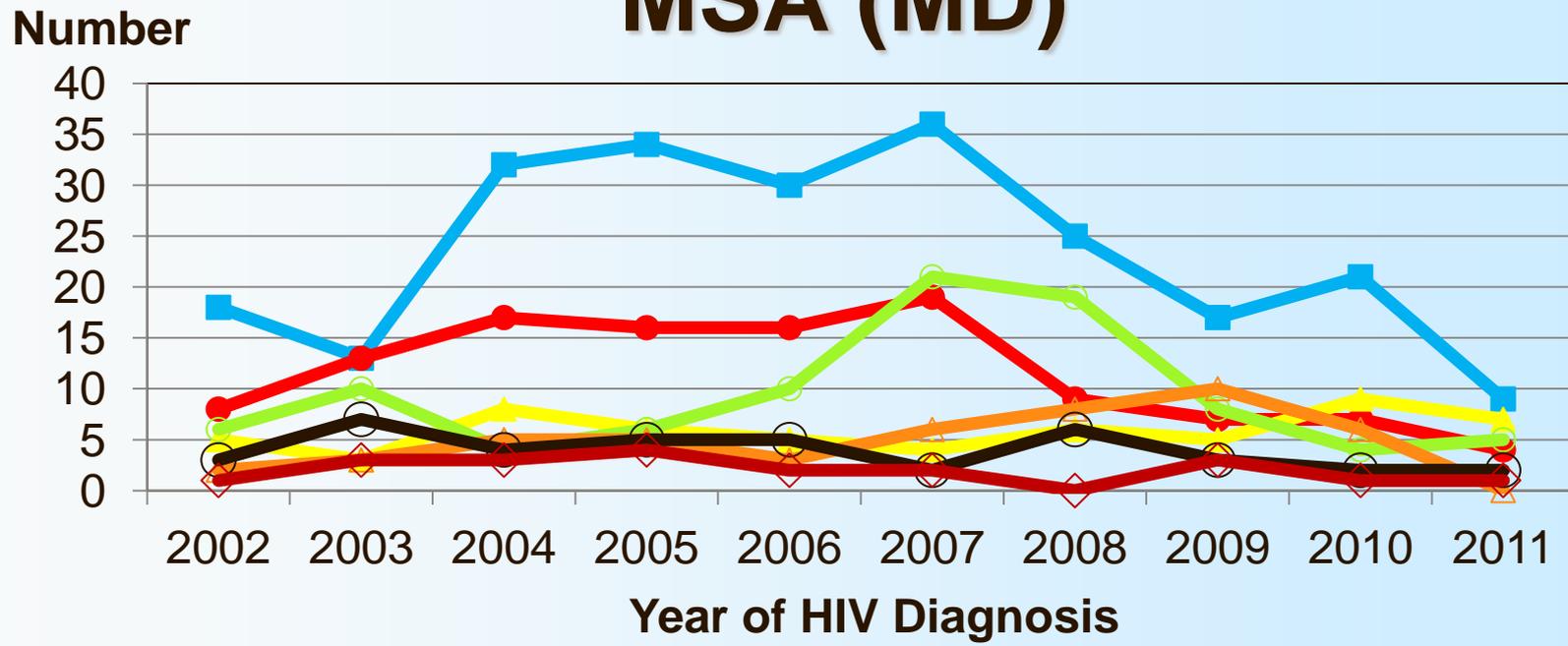


	N	%
Total	8,927	100.0
United States	7,033	81.3
Cameroon	257	3.0
Ethiopia	169	1.9
El Salvador	111	1.3
Nigeria	68	0.8
Haiti	55	0.6
Kenya	55	0.6
Guatemala	52	0.6

+ 87 other countries

Using data as reported through 12/31/2012

Reported Adult/Adolescent HIV Diagnosis Trends by Country of Birth, Washington MSA (MD)



-  Cameroon
-  Ethiopia
-  Nigeria
-  El Salvador
-  Guatemala
-  Kenya
-  Haiti

Using data as reported through 12/31/2012

Exposure Categories



MSM: Men who have Sex with Men

IDU: Injection Drug Use

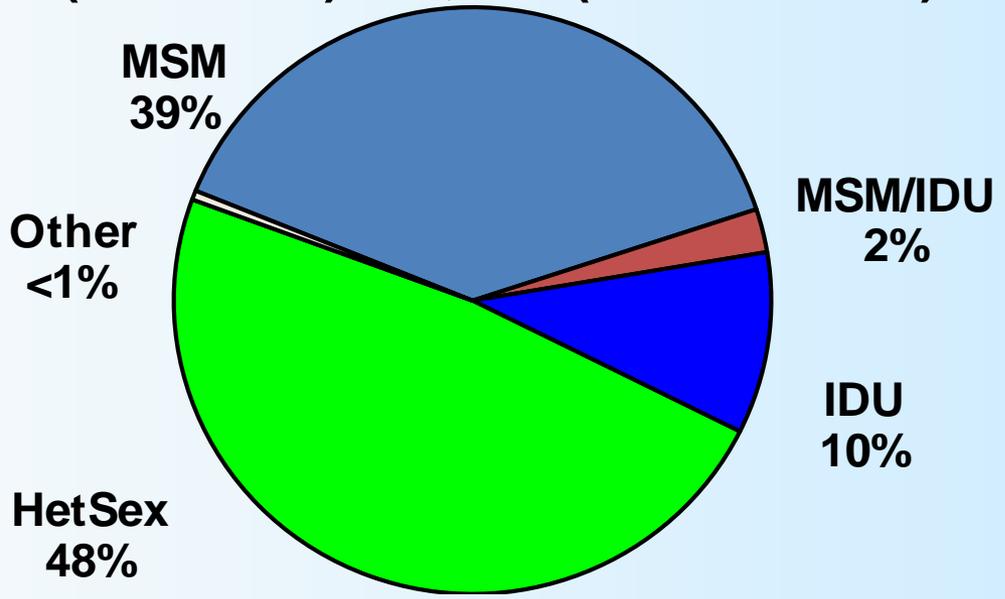
MSM/IDU: Men who have Sex with Men AND Inject Drugs

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



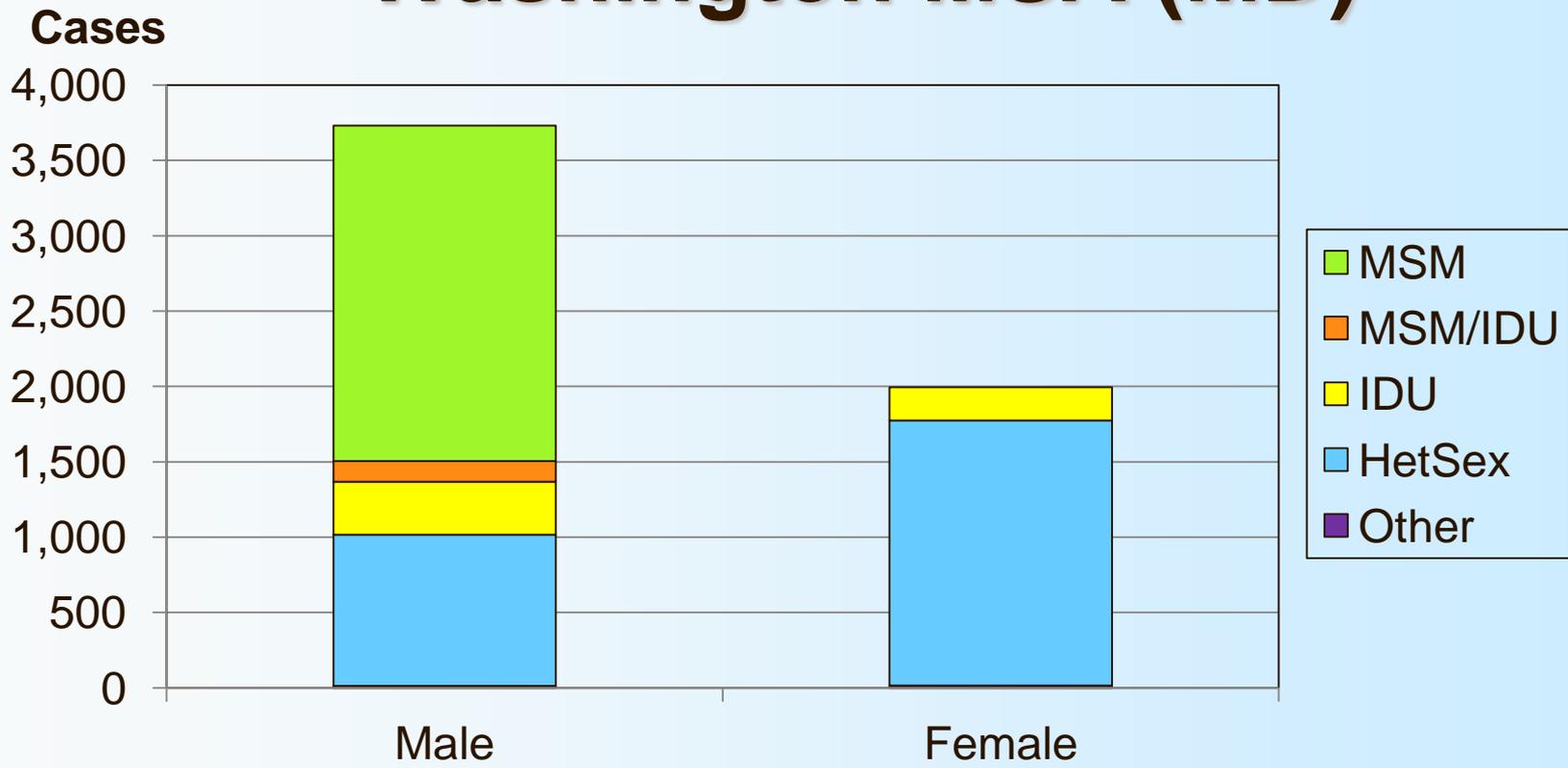
Living Adult/Adolescent HIV Cases 12/31/11 by Exposure Category, Washington MSA (MD)

N (with Risk) = 5,725 (64% of Total)



Using data as reported through 12/31/2012

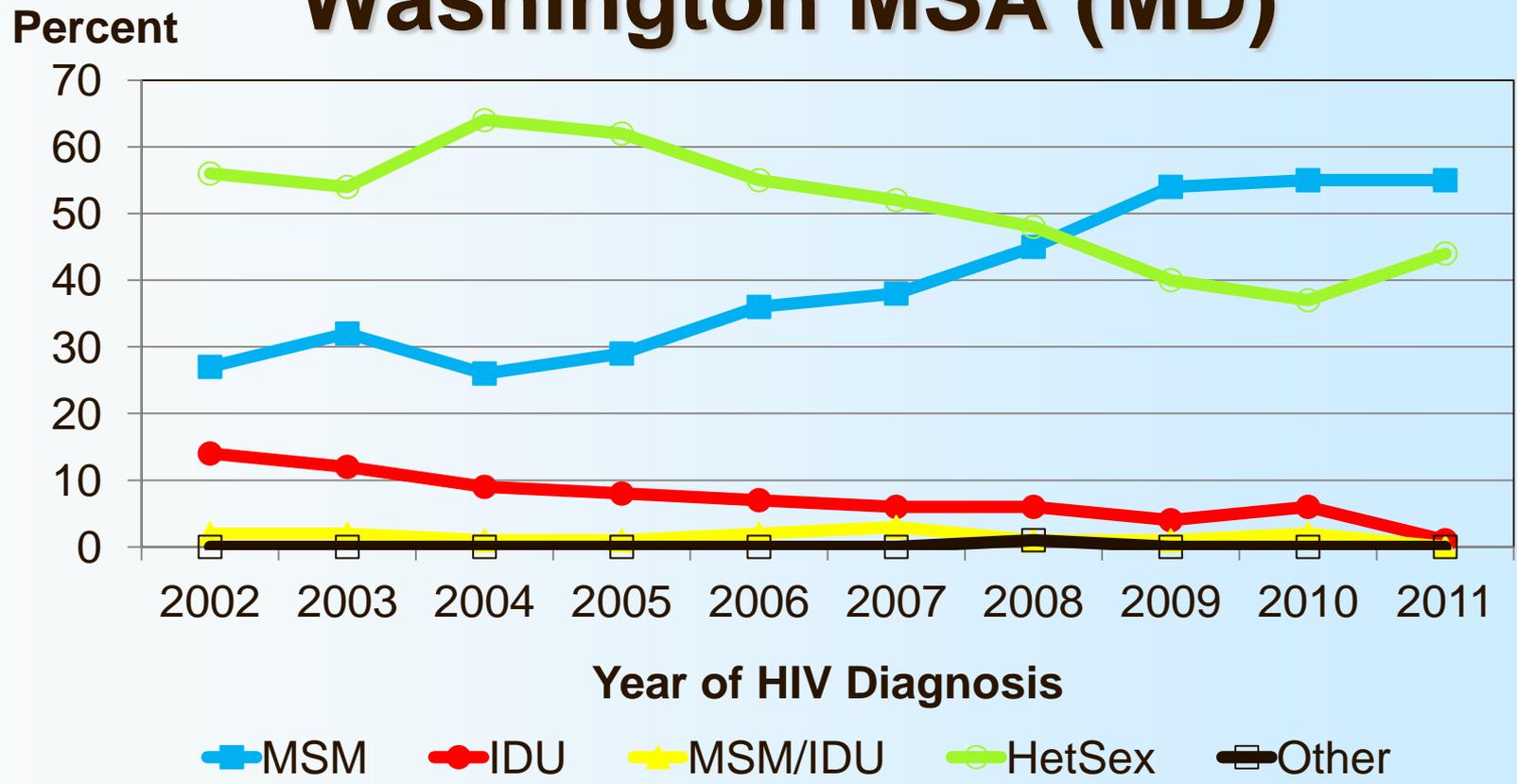
Living Adult/Adolescent HIV Cases 12/31/11 by Exposure Category and Sex at Birth Washington MSA (MD)



Using data as reported through 12/31/2012



Reported Adult/Adolescent HIV Diagnosis Trends by Exposure Category, Washington MSA (MD)



Using data as reported through 12/31/2012

2011 Reported Adult/ Adolescent HIV Diagnoses (N=513), Washington MSA (MD)



- Linkage to Care: 65% had a CD4 or VL test within 3 months of HIV diagnosis
- CD4 at Diagnosis: 76% had a CD4 test within 12 months of HIV diagnosis, and the median value was 296 cells/microliter
- Late HIV Diagnosis: 36% had an AIDS diagnosis within 12 months of their HIV diagnosis

Details by subpopulations available in Epidemiological Profile.
Using data as reported through 12/31/2012

2011 Reported Adult/ Adolescent AIDS Diagnoses (N=243), Washington MSA (MD)



- Progression: The average time from HIV diagnosis to AIDS diagnosis was 2.2 years
- Late HIV Diagnosis: 68% were diagnosed with AIDS within 12 months of their HIV diagnosis

Unmet Need Estimate for HRSA, Washington MSA (MD)

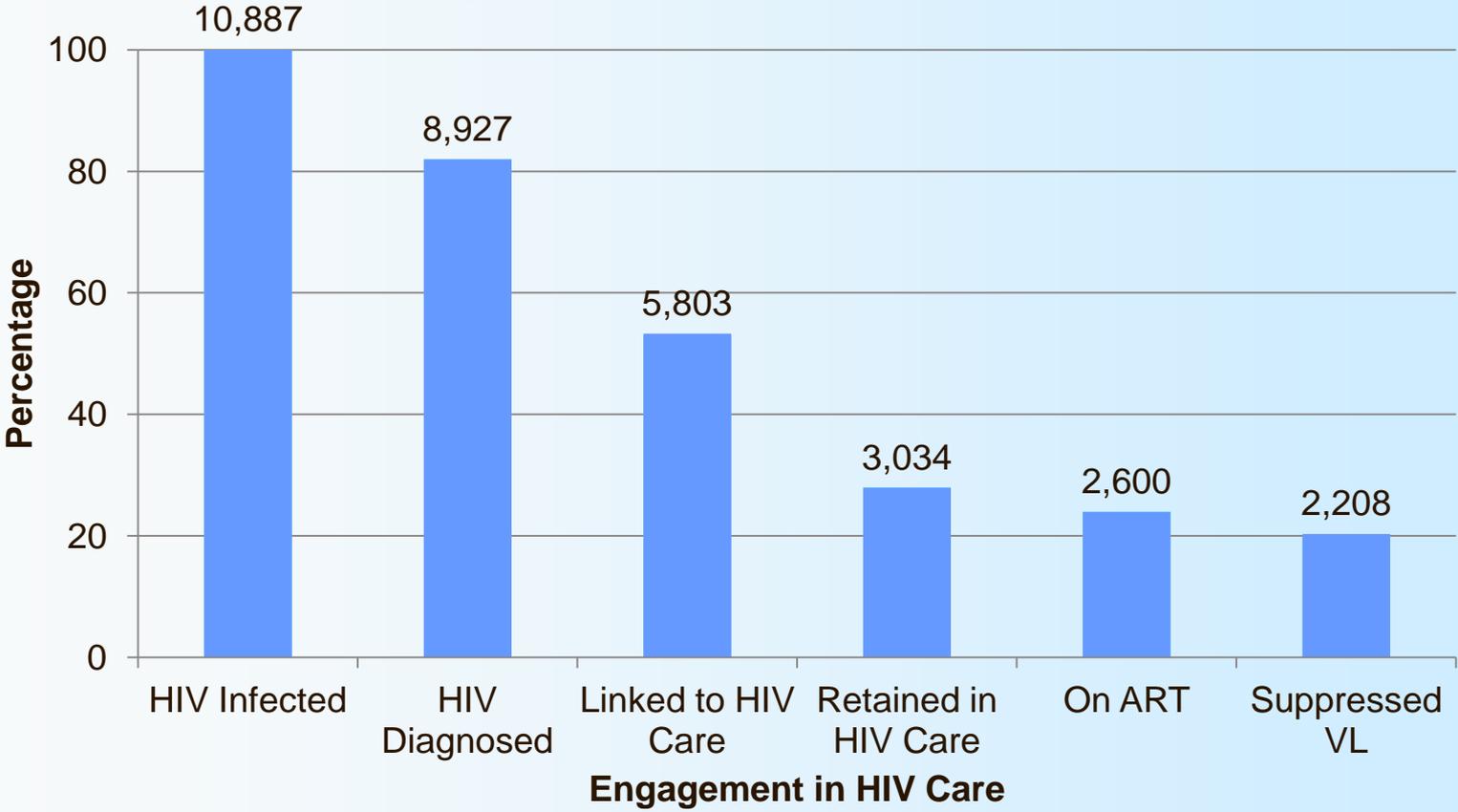


- Calculated for the 2012 Part A application, using CY 2010 data as reported through 12/31/2011
- 9,257 living HIV/AIDS cases
- 5,712 (61.7%) with no CD4 test result during 2010
- Likely to be an overestimate due to unreported out of jurisdiction care seeking



Continuum of Care

Estimated number and percentage of HIV infected adults engaged in selected stages of the continuum of care, Maryland Portion of the Washington, DC MSA, 2011



Using data as reported through 12/31/2012

Continuum of Care Calculation



- HIV infected – apply national estimate of undiagnosed to reported living cases
- HIV diagnosed – reported living cases
- Linked to HIV care – apply percent of new diagnoses with CD4/VL within 3 months from most recent year to reported living cases
- Retained in HIV care – reported living cases with a CD4 test during prior year
- On ART – interpolated between retained in HIV care and suppressed VL
- Suppressed VL – most recent VL during prior year for reported living cases that was undetectable or <400 copies/ml

Statistical Reports



- HIV/AIDS Epidemiological Profiles
 - Released annually
 - Available on website
- Maryland (with quarterly updates)
- 5 planning regions (RACs)
- 2 Ryan White EMAs
 - Baltimore-Towson MSA
 - Washington, DC MSA (Maryland Portion)
- High morbidity jurisdictions
 - Anne Arundel County, Baltimore City, Baltimore County, Montgomery County, Prince George's County
- Detailed data on counts, rates, linkage to care, and CD4 and VL results, by demographics, risk, and geography



Prevention and Health Promotion Administration

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