



WORLD AIDS DAY 2012

December 1, 2012

**Infectious Disease Bureau
Prevention and Health Promotion Administration
Maryland Department of Health and Mental Hygiene**



INTERNATIONAL



Adults and children estimated to be living with HIV | 2011



Total: 34.0 million [31.4 million – 35.9 million]



International Numbers

34.0 million people living with HIV in 2011

23.5 million are in sub-Saharan Africa

2.5 million new HIV infections in 2011

1.7 million AIDS deaths in 2011

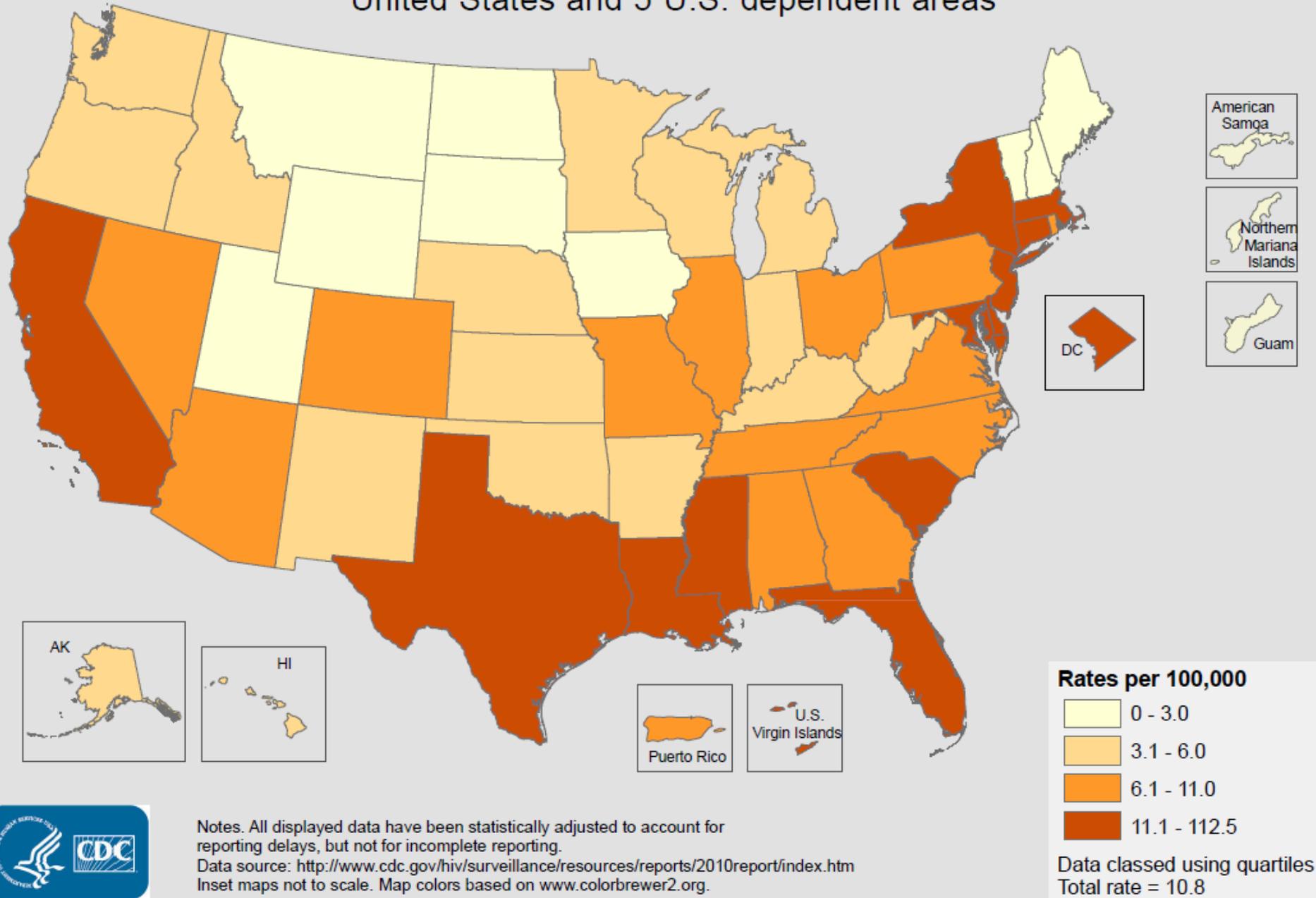
UNAIDS. World AIDS Day Report. 2012

UNAIDS. Report on the Global AIDS Epidemic. 2012



UNITED STATES

Rates of AIDS diagnoses, 2010 - United States and 5 U.S. dependent areas





National Numbers

1.1 million adults/adolescents living with HIV/AIDS at the end of 2009, **and 18% do not know it!**

(CDC. HIV Supplemental Surveillance Report, 2012;17(No. 3, part A))

48,100 new HIV infections in 2009

(Prejean, et al. PLoS ONE. Aug. 2011)

17,774 estimated AIDS deaths in 2009

(CDC. HIV Surveillance Report, 2010)



2010 Estimated HIV Diagnoses, Ranked by Rates

<u>STATE/TERRITORY</u>	<u>Cases</u>	<u>Rate per 100,000</u>
1. District of Columbia*	939	156.7
2. Virgin Islands	47	42.8
3. Florida	5,782	31.2
4. Maryland*	1,708	30.0
5. Louisiana	1,279	28.5
6. Puerto Rico	1,118	28.2
7. New York	5,321	27.2
8. Georgia	2,581	26.3
9. New Jersey	2,207	25.3
10. South Carolina	914	20.0
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<i>United States**</i>	<i>48,298</i>	<i>16.3</i>

CDC. HIV Surveillance Report, 2010. Vol. 22. Table 19.

* Maryland DHMH estimates from CDC data.

** Based on 46 states and 5 territories.



2010 Estimated HIV Diagnoses, Ranked by Rates



<u>METROPOLITAN AREA</u>	<u>Cases</u>	<u>Rate per 100,000</u>
1. Miami, FL	2,757	49.7
2. Baton Rouge, LA	339	43.0
3. New Orleans-Metairie-Kenner, LA	439	36.9
4. <i>Washington, DC-VA-MD-WV*</i>	<i>1,995</i>	<i>36.4</i>
5. <i>Baltimore-Towson, MD*</i>	<i>951</i>	<i>35.4</i>
6. Jackson, MS	184	34.0
7. Memphis, TN-MS-AR	440	33.7
8. Orlando, FL	686	32.9
9. New York, NY-NJ-PA	6,160	32.3
10. Columbia, SC	230	30.9
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<i>United States**</i>	<i>47,692</i>	<i>16.3</i>

CDC. HIV Surveillance Report, 2010. Vol. 22. Table 24.

* Maryland DHMH estimates from CDC data.

** Based on 46 states and 5 territories.



2009 Estimated Adults Living with HIV, Ranked by Rates



<u>STATE/TERRITORY</u>	<u>Cases</u>	<u>Rate per 100,000</u>
1. District of Columbia*	13,973	2,330.2
2. New York	130,608	795.9
3. Virgin Islands	573	632.7
4. Florida	92,874	594.8
5. Puerto Rico	18,350	555.7
6. Maryland*	29,282	513.8
7. New Jersey	36,041	497.1
8. Georgia	35,129	442.6
9. Louisiana	16,211	440.4
10. Delaware	2,913	395.8
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<i>United States**</i>	<i>800,784</i>	<i>327.6</i>

CDC. HIV Surveillance Report, 2010. Vol. 22. Table 21.

* Maryland DHMH estimates from CDC data.

** Based on 46 states and 5 territories.

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2009 Estimated Adults Living with HIV, Ranked by Rates



<u>METROPOLITAN AREA</u>	<u>Cases</u>	<u>Rate per 100,000</u>
1. Miami, FL	48,177	868.5
2. New York, NY-NJ-PA	140,988	739.3
3. Baltimore-Towson, MD*	18,116	673.3
4. New Orleans-Metairie-Kenner, LA	7,380	620.2
5. Jackson, MS	2,952	545.8
6. San Francisco, CA	23,101	535.0
7. Washington, DC-VA-MD-WV*	29,163	532.5
8. Memphis, TN-MS-AR	6,891	528.1
9. Baton Rouge-LA	3,779	480.2
10. San Juan-Caguas-Guaynabo, PR	12,505	477.8
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<i>United States**</i>	<i>793,935</i>	<i>271.4</i>

CDC. HIV Surveillance Report, 2010. Vol. 22. Table 24.

* Maryland DHMH estimates from CDC data.

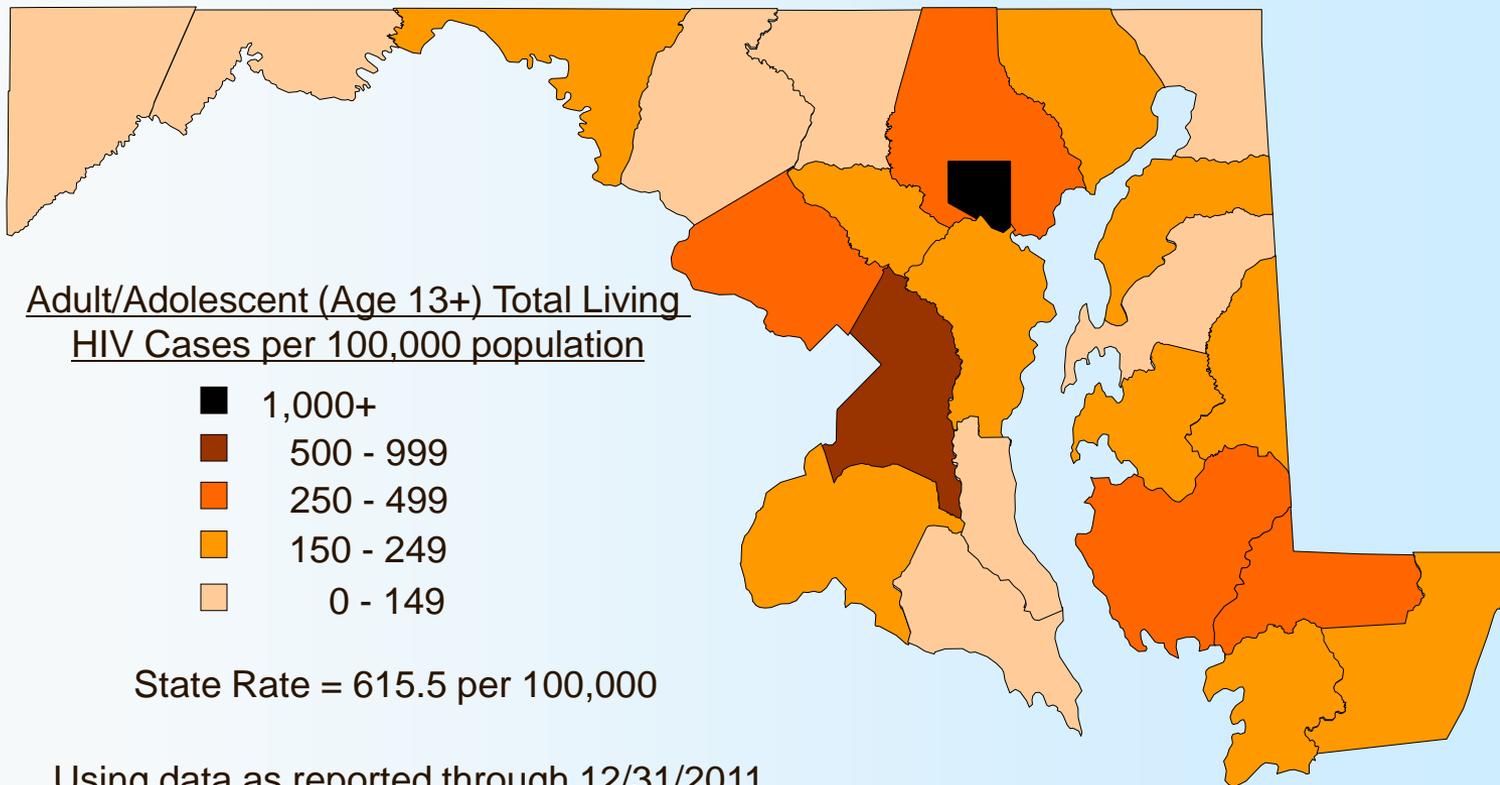
** Based on 46 states and 5 territories.



MARYLAND



Maryland Adult/Adolescent Total Living HIV Case Rates by Jurisdiction, Alive on 12/31/10



Using data as reported through 12/31/2011



Maryland Numbers



29,642 adults/adolescents living with HIV/AIDS as of the end of 2010

1,430 adults/adolescents reported with HIV diagnoses in 2010

309 AIDS deaths reported during 2010

Maryland had the **2nd** highest AIDS case report rate (22.1 cases per 100,000 population) of any state/territory in 2010

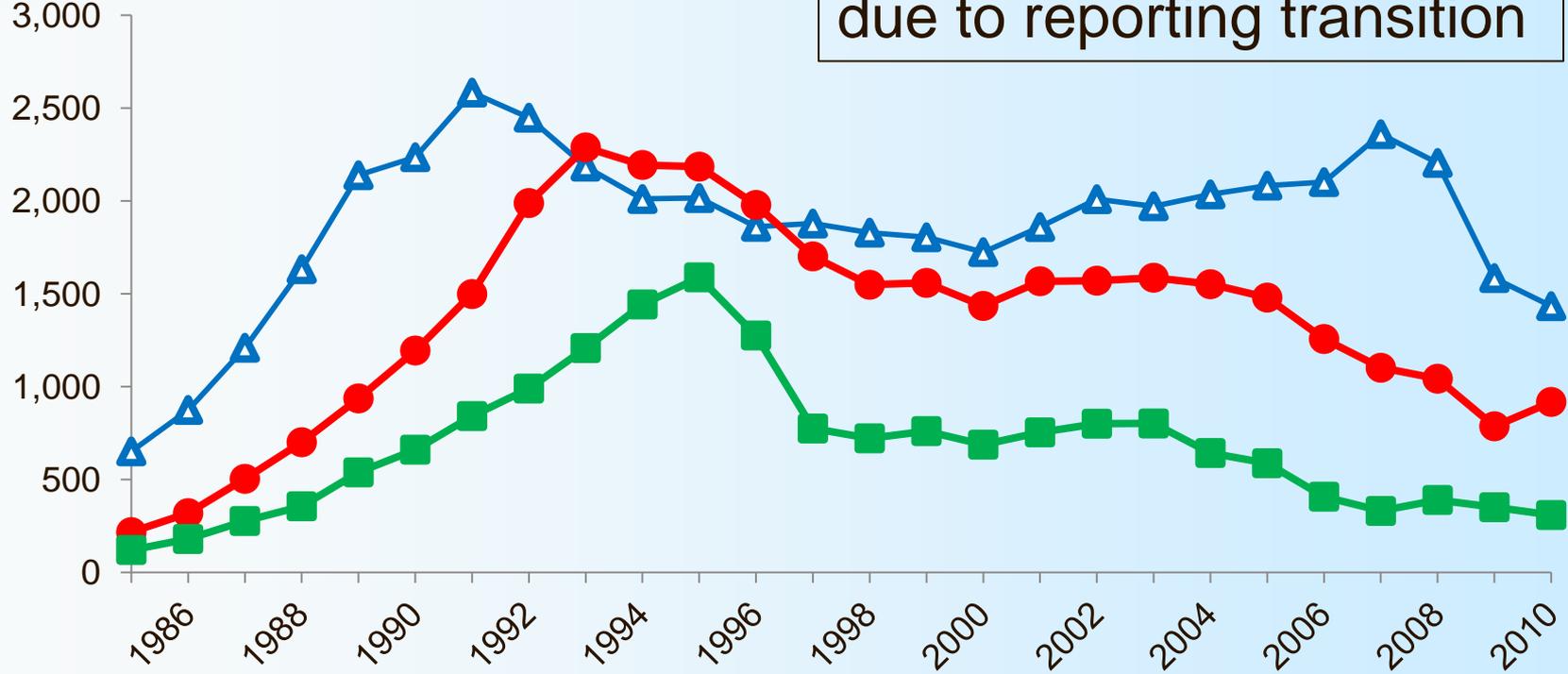


Maryland HIV/AIDS Trends



Number of Events

2001-2008 HIV high,
due to reporting transition



Year of Diagnosis or Death

- ▲ Reported HIV Diagnoses
- Reported AIDS Diagnoses
- Reported AIDS Deaths

Using data as reported through 12/31/2011

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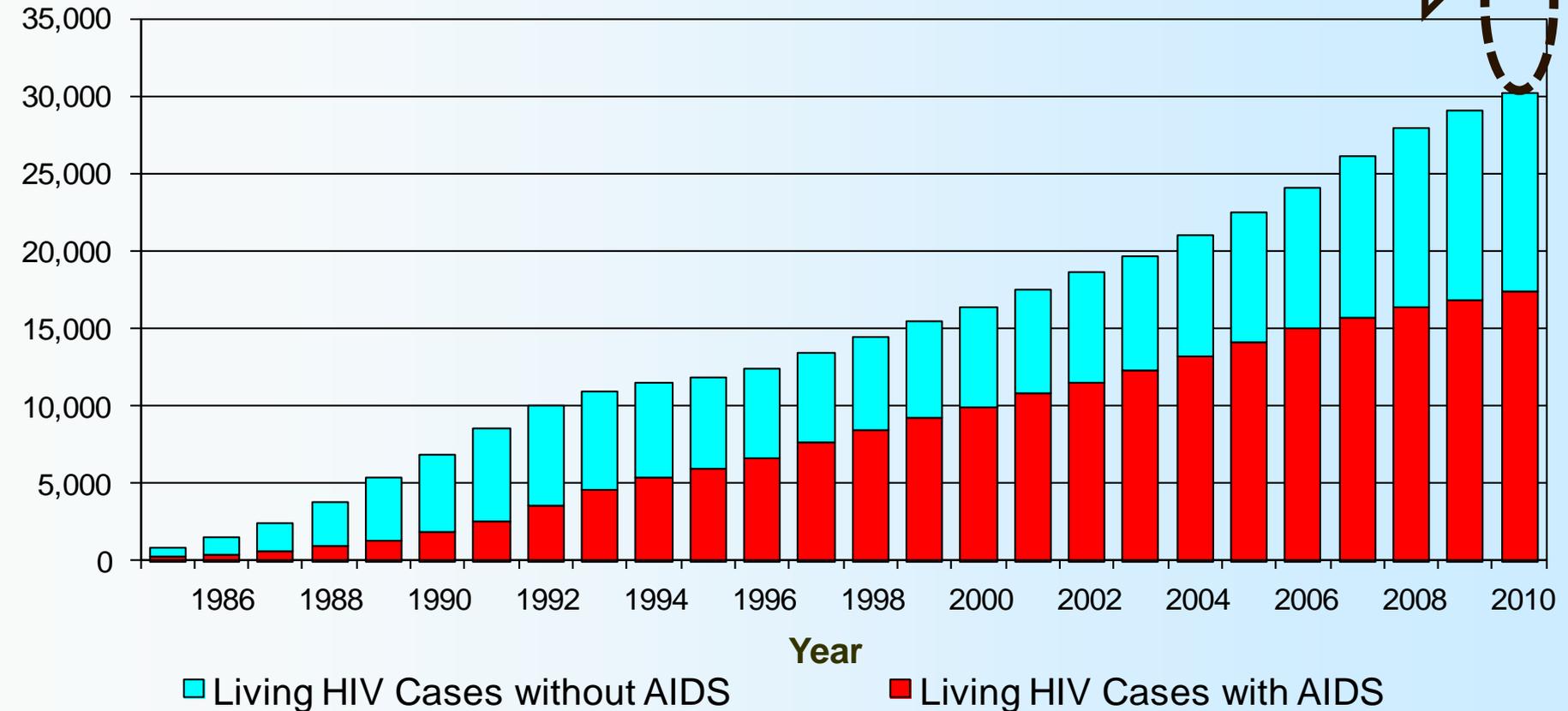


Maryland Living HIV Cases



Number of Cases

+20% Undiagnosed? →

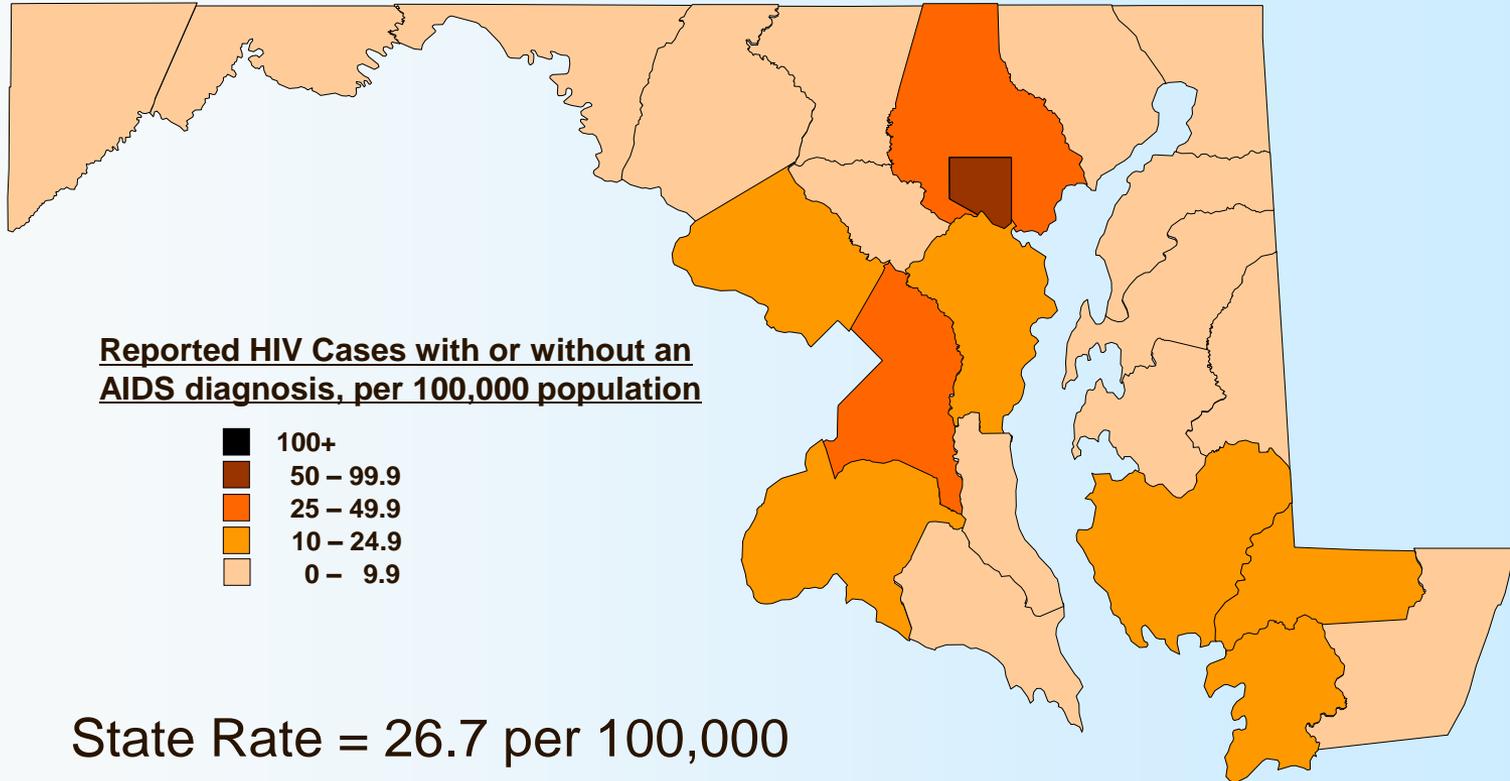


Using data as reported through 12/31/2011

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Maryland Reported HIV Diagnosis Rates by Jurisdiction, 2009

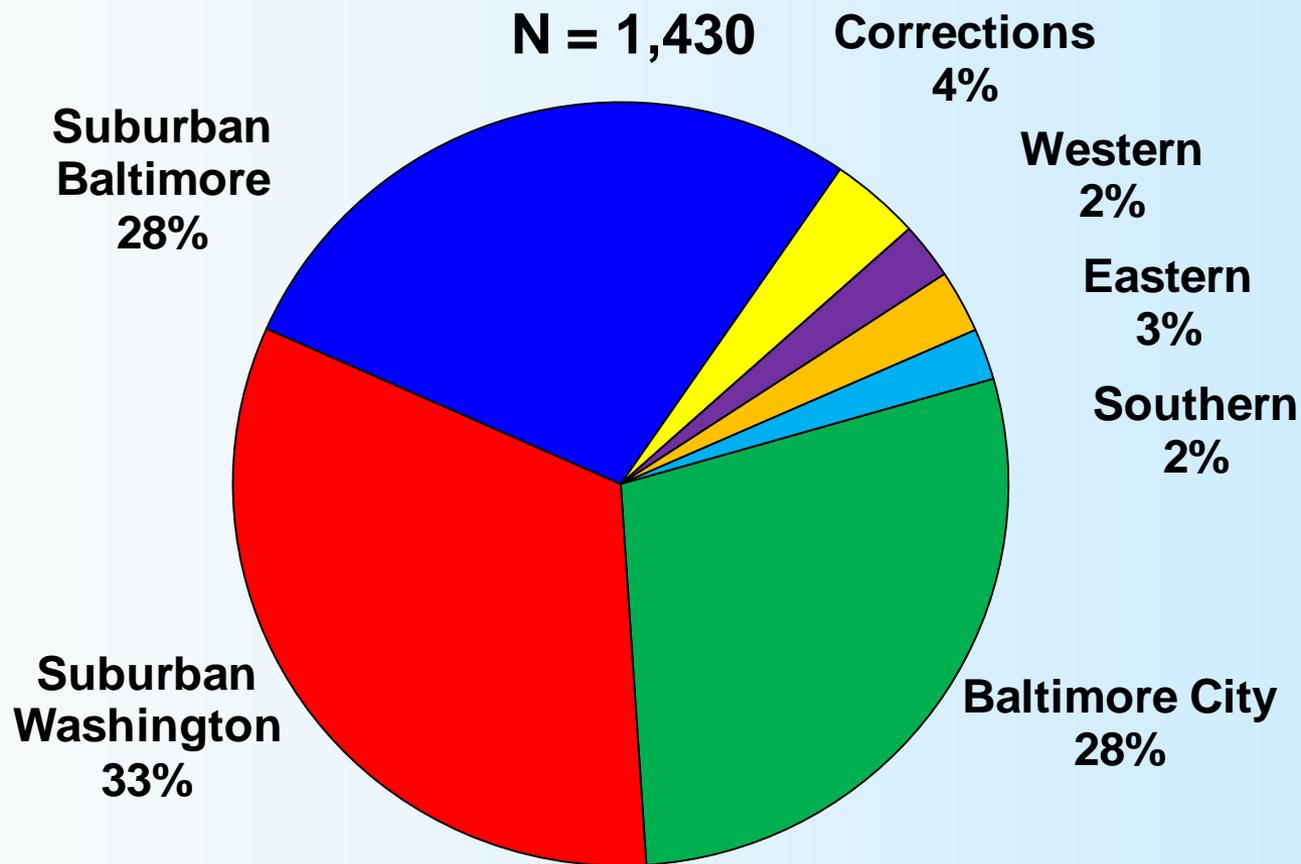


Using data as reported through 12/31/2010

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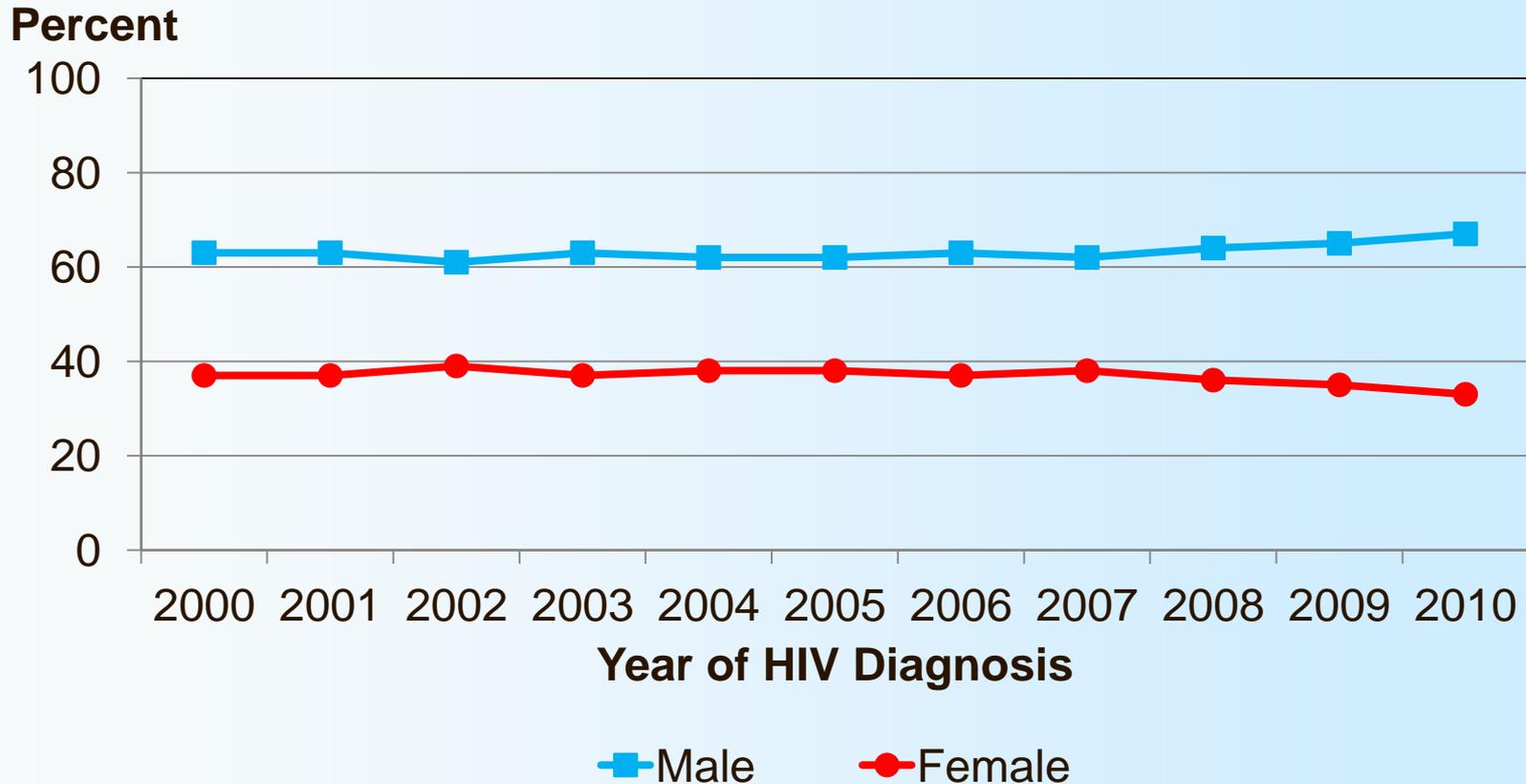
Maryland Reported Adult/Adolescent HIV Diagnoses by Region, 2010



Using data as reported through 12/31/2011



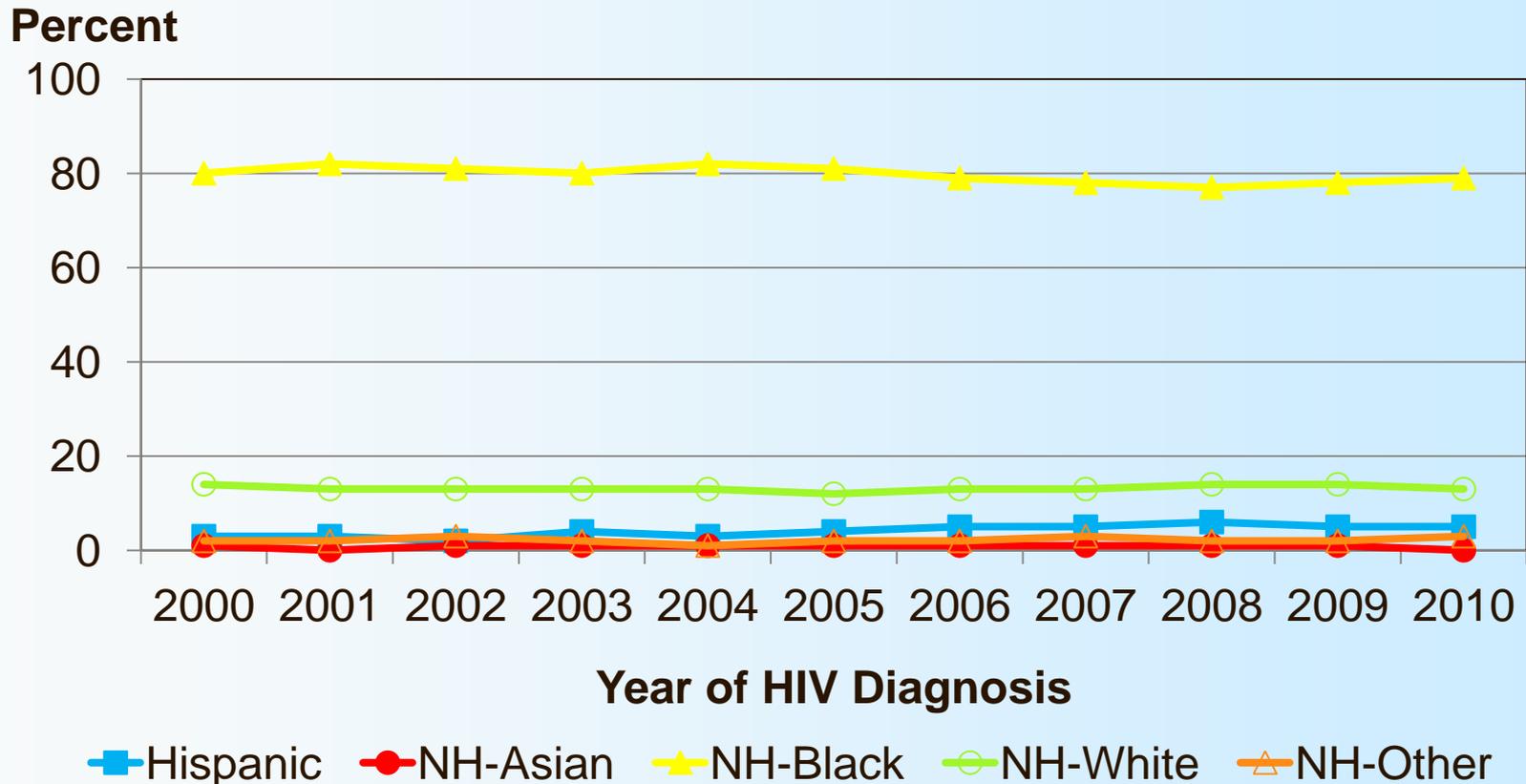
Reported Adult/Adolescent HIV Diagnosis Trends by Sex at Birth



Using data as reported through 12/31/2011



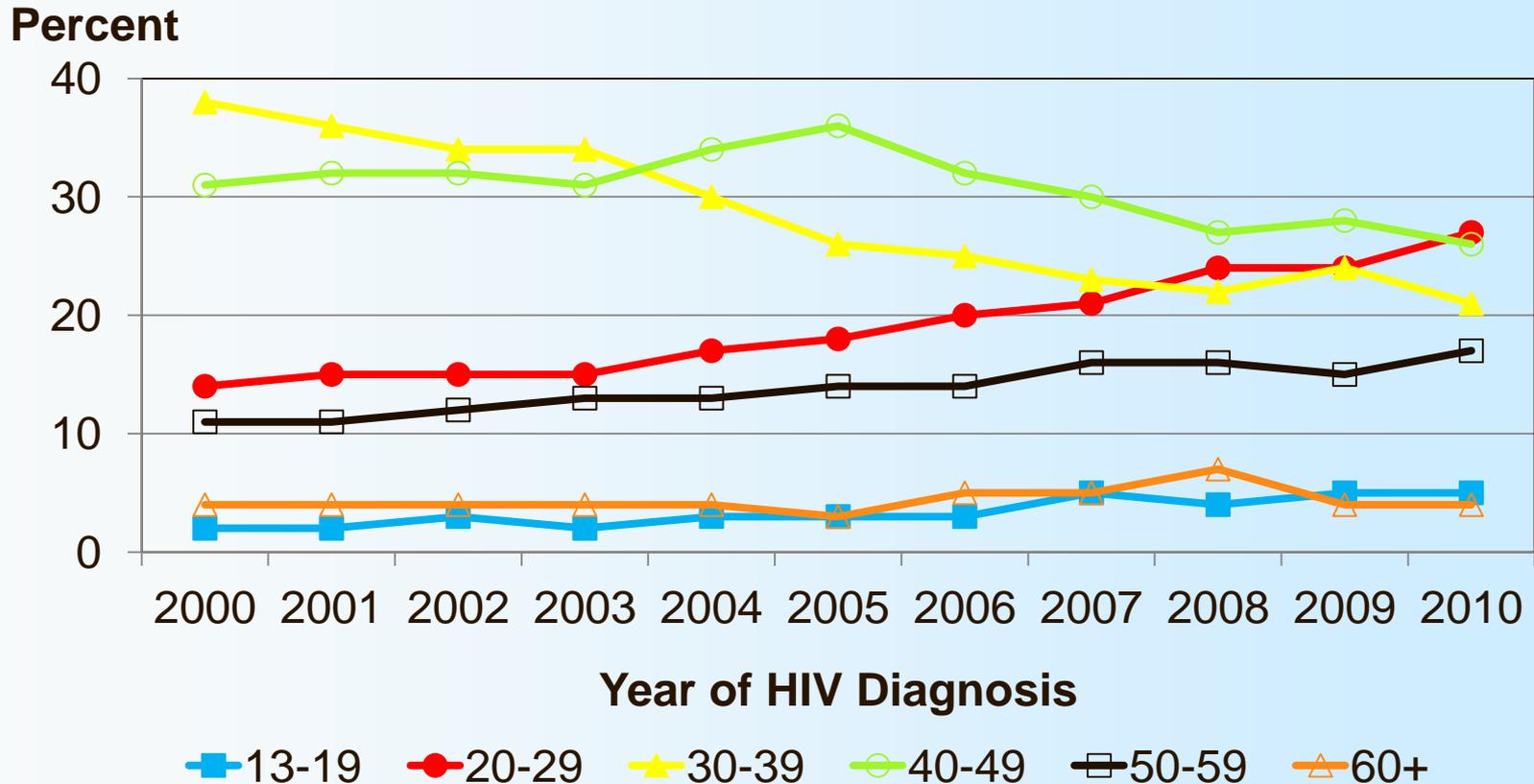
Reported Adult/Adolescent HIV Diagnosis Trends by Race/Ethnicity



Using data as reported through 12/31/2011



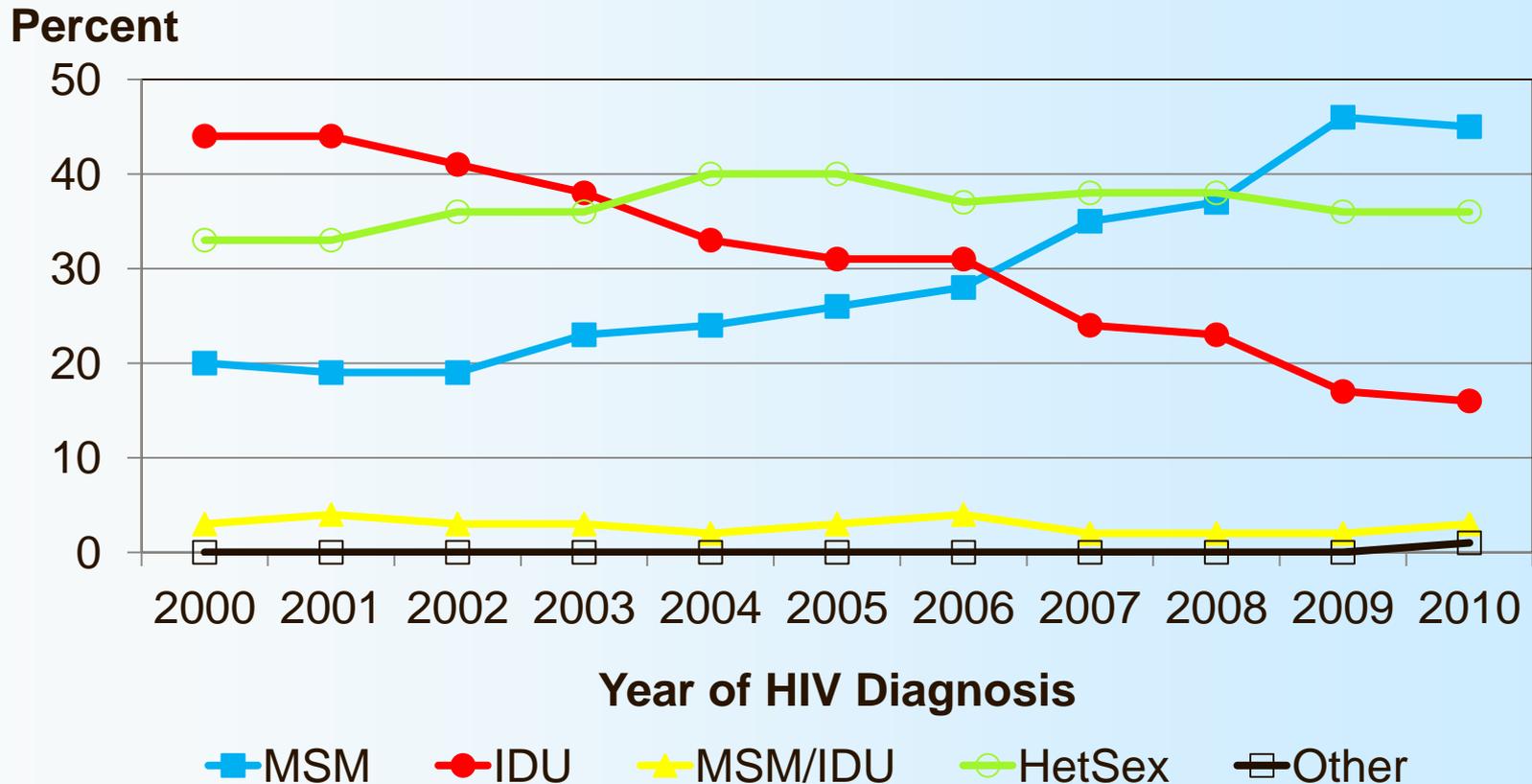
Reported Adult/Adolescent HIV Diagnosis Trends by Age at Diagnosis



Using data as reported through 12/31/2011



Reported Adult/Adolescent HIV Diagnosis Trends by Exposure Category



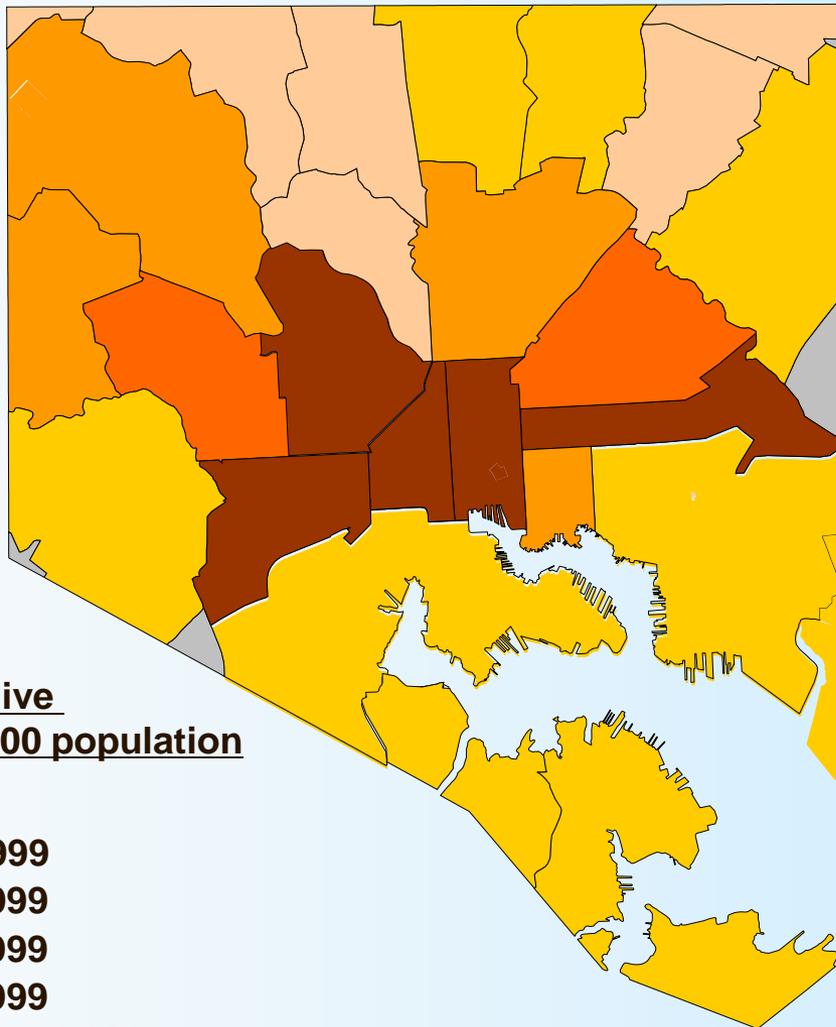
Using data as reported through 12/31/2011



BALTIMORE CITY



Total Living Adult/Adolescent HIV Case Rates Baltimore City, 12/31/2010



Total living HIV cases, age 13+ at diagnosis, alive on 12/31/2010 per 100,000 population

- 4,000+
- 3,000 – 3,999
- 2,000 – 2,999
- 1,000 – 1,999
- 0 – 999
- Population <1,000

By ZIP code of residence at diagnosis

N = 13,064

City rate = 2,495.7 cases per 100,000

Using data as reported through 12/31/2011



Baltimore City Numbers

13,064 adults/adolescents living with HIV/AIDS at the end of 2010

406 adults/adolescents reported with HIV diagnoses in 2010

173 AIDS deaths reported during 2010

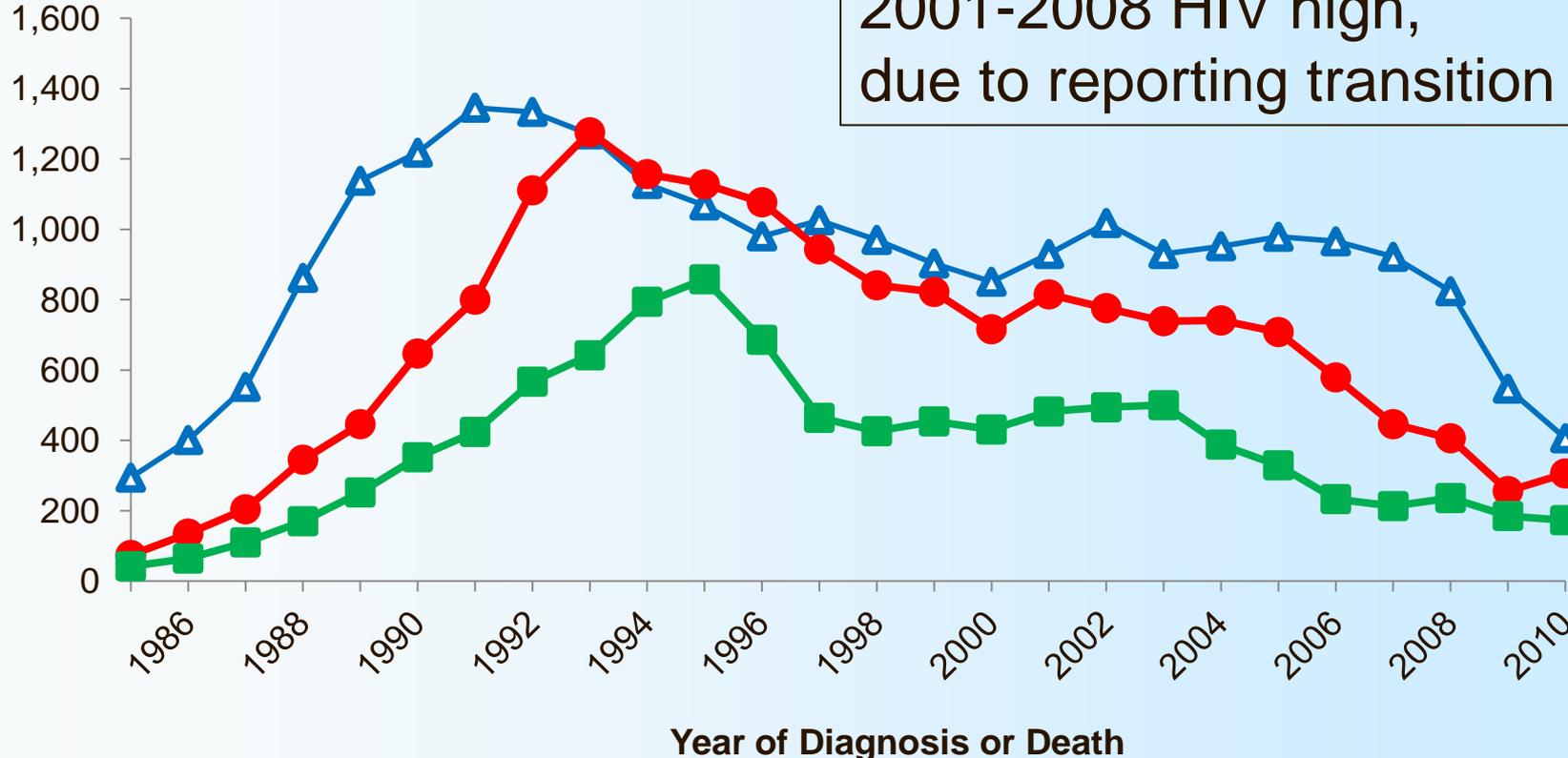
Baltimore-Towson had the **4th** highest AIDS case report rate of any metropolitan area (26.8 cases per 100,000 population) in the U.S. in 2010



HIV/AIDS Trends Baltimore City



Number of Events



2001-2008 HIV high,
due to reporting transition

▲ Reported HIV Diagnoses ● Reported AIDS Diagnoses ■ Reported AIDS Deaths

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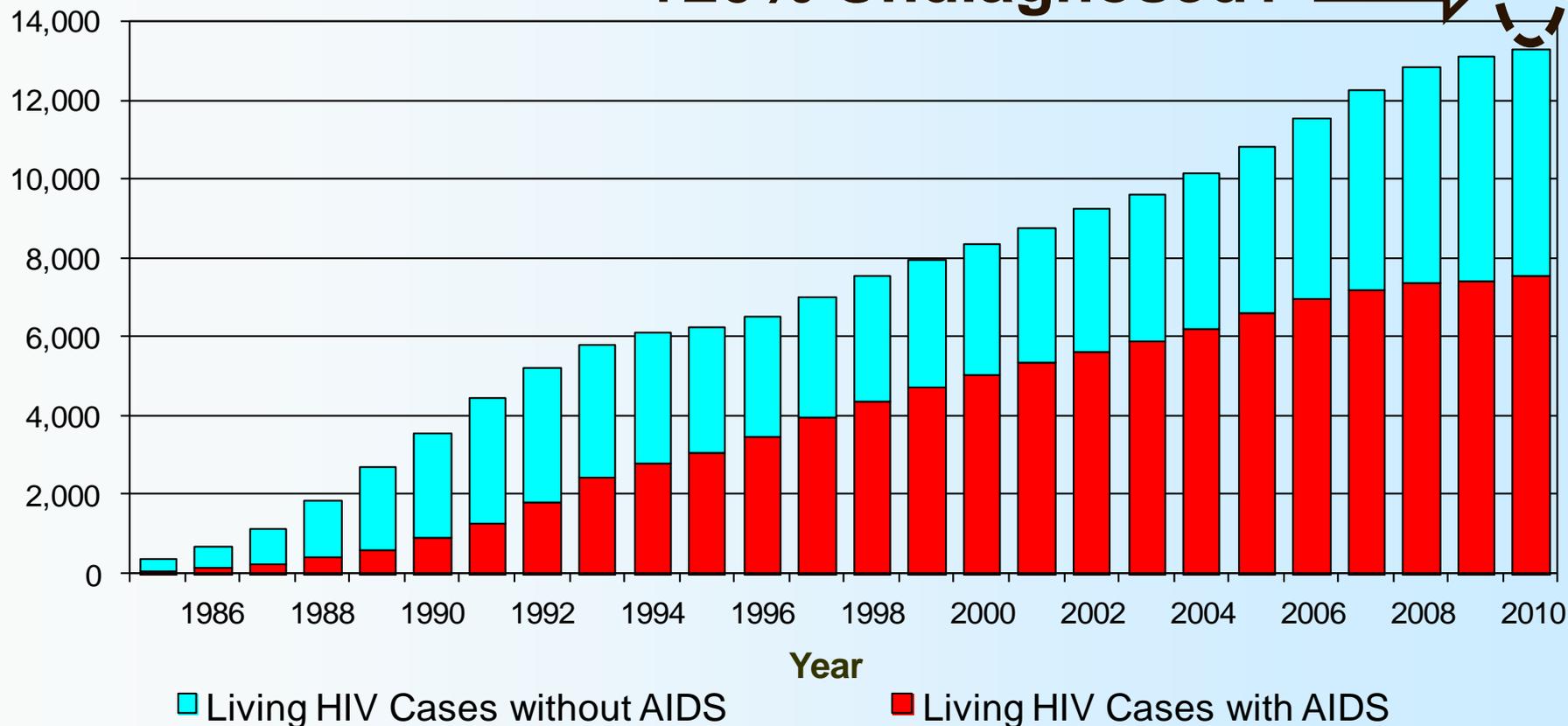


Baltimore City Living HIV Cases



Number of Cases

+20% Undiagnosed? →

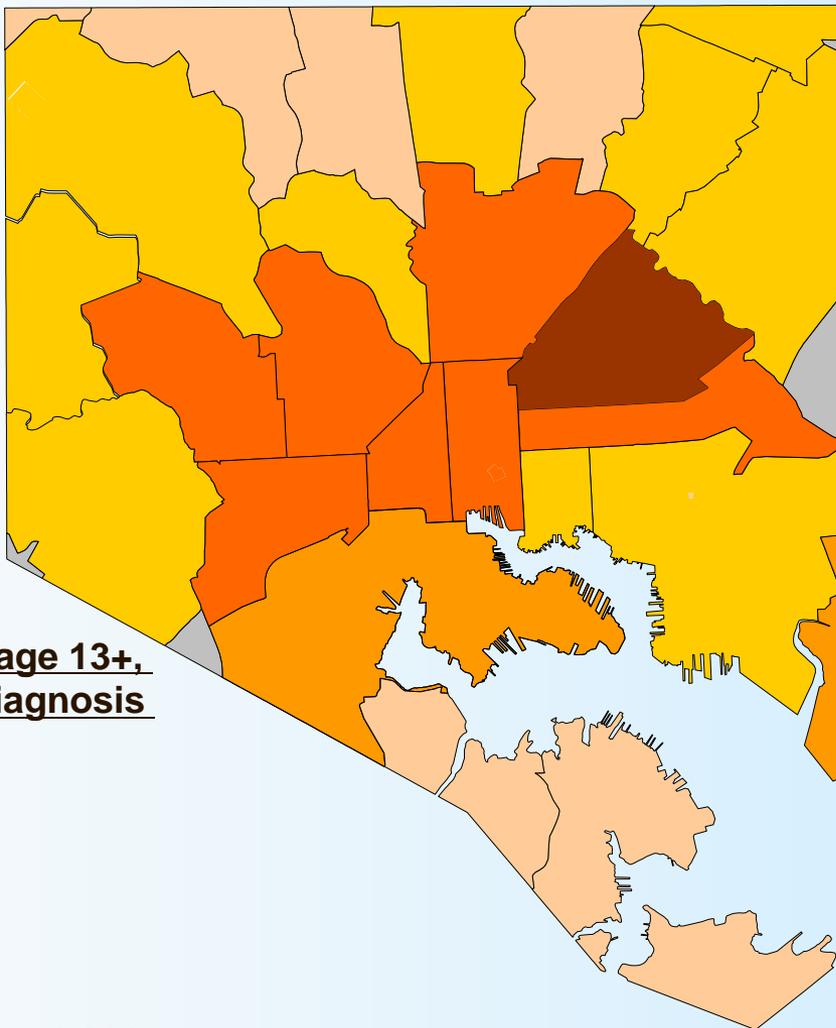


Using data as reported through 12/31/2011

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Reported Adult/Adolescent HIV Diagnosis Rates Baltimore City, 2010



By ZIP code of residence at diagnosis

N = 406

City rate = 77.6 cases per 100,000

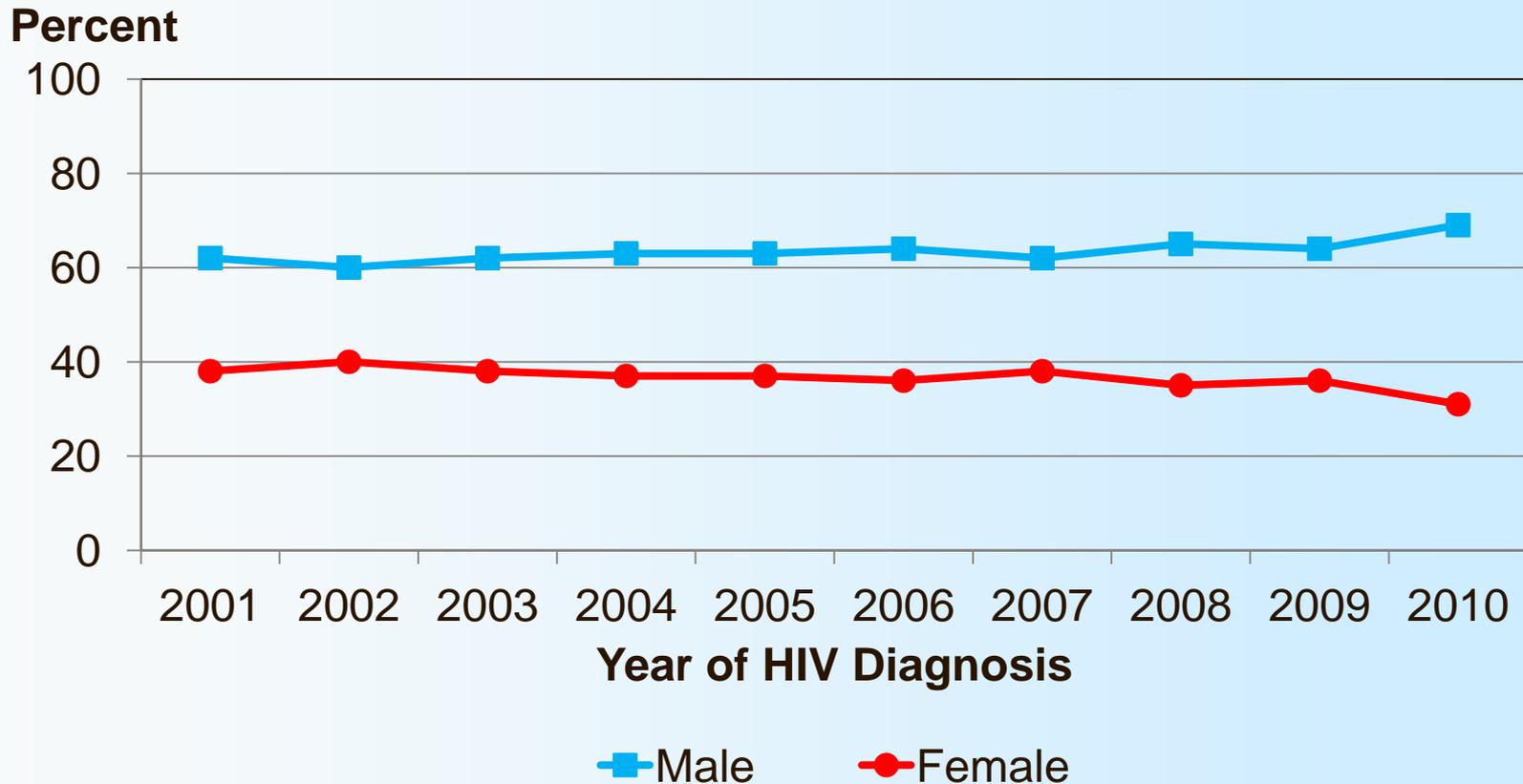
Reported HIV diagnoses, age 13+, with or without an AIDS diagnosis per 100,000 population

- 200+
- 100 – 199
- 50 – 99
- 1 – 49
- 0
- Population <1,000

Using data as reported through 12/31/2011



Reported Adult/Adolescent HIV Diagnosis Trends by Sex at Birth, Baltimore City

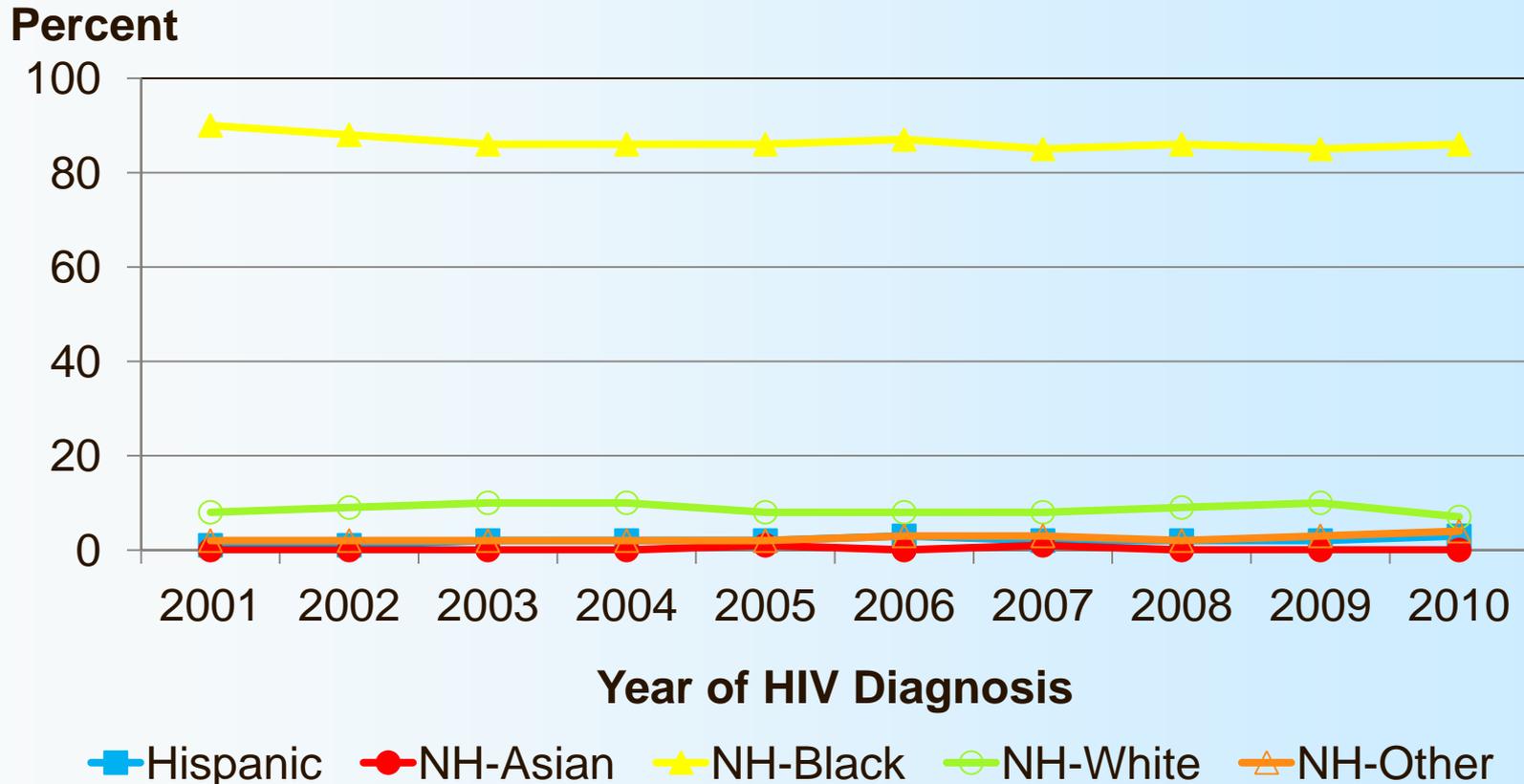


Using data as reported through 12/31/2011

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Reported Adult/Adolescent HIV Diagnosis Trends by Race/Ethnicity, Baltimore City

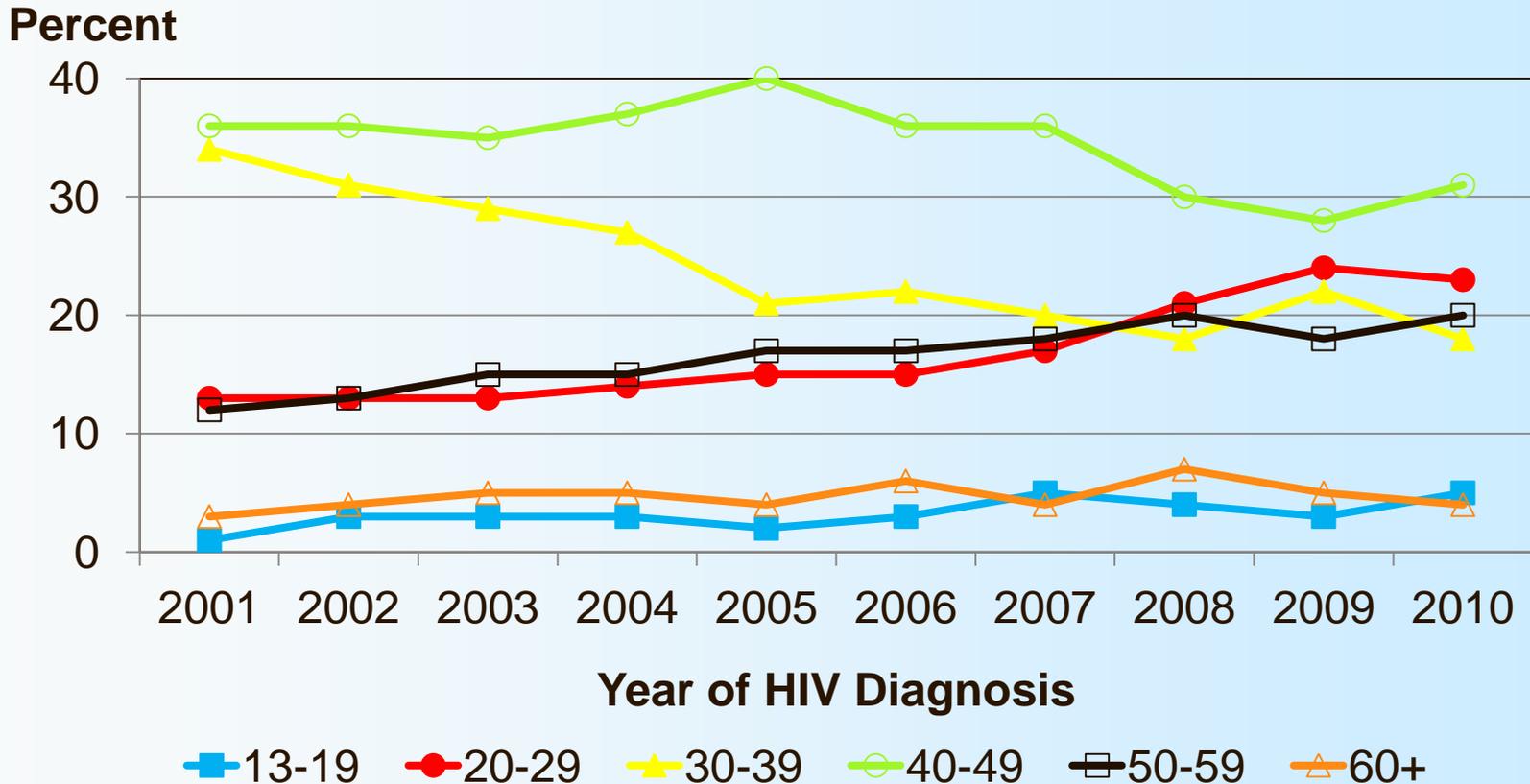


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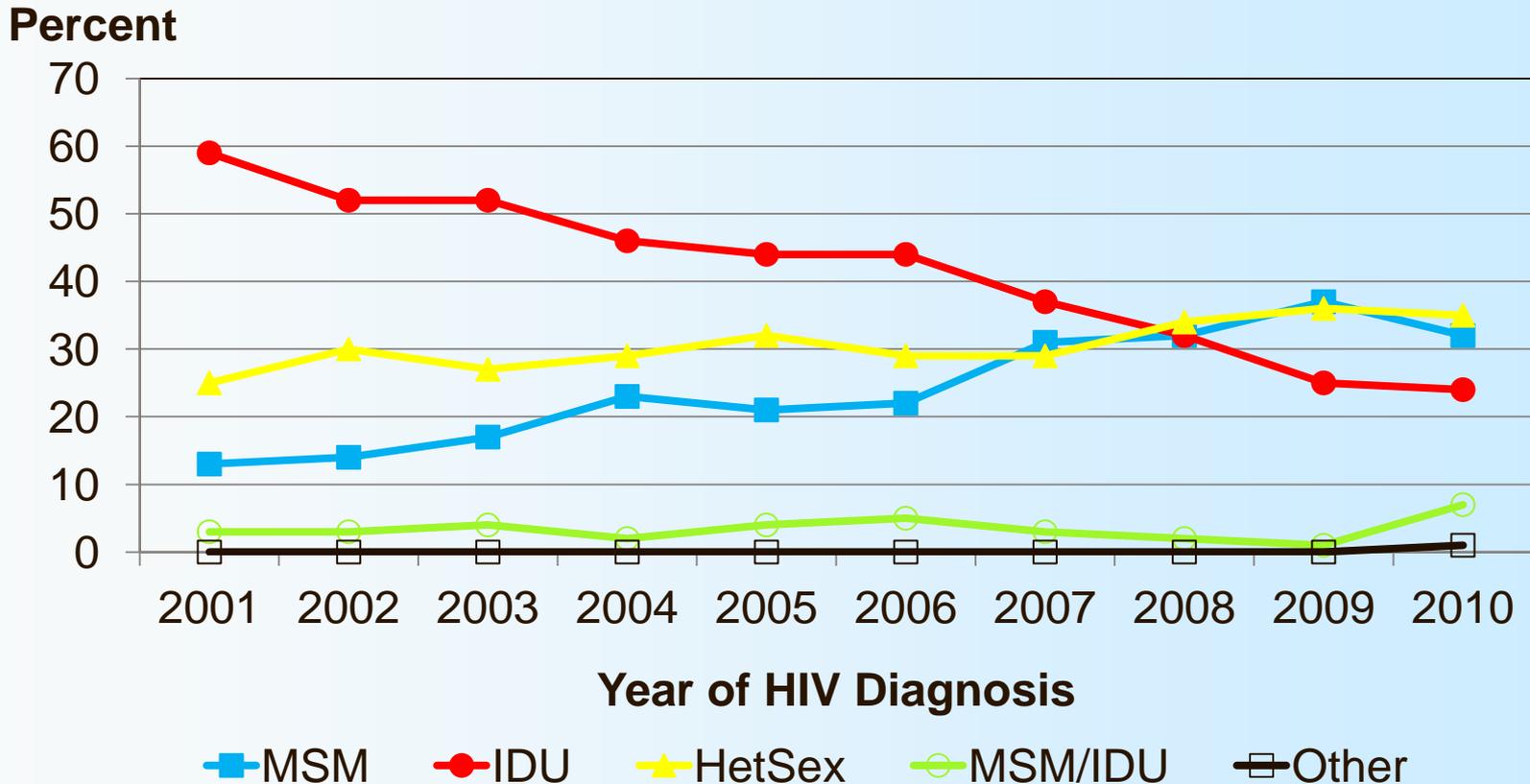
Reported Adult/Adolescent HIV Diagnosis Trends by Age at Diagnosis, Baltimore City



Using data as reported through 12/31/2011



Reported Adult/Adolescent HIV Diagnoses, Exposure Category Trends, Baltimore City



Using data as reported through 12/31/2011



Maryland Prevention and Health Promotion Administration

<http://ideha.dhmfh.maryland.gov>