

HIV Incidence in the United States 2007 - 2010

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

Division of HIV/AIDS Prevention



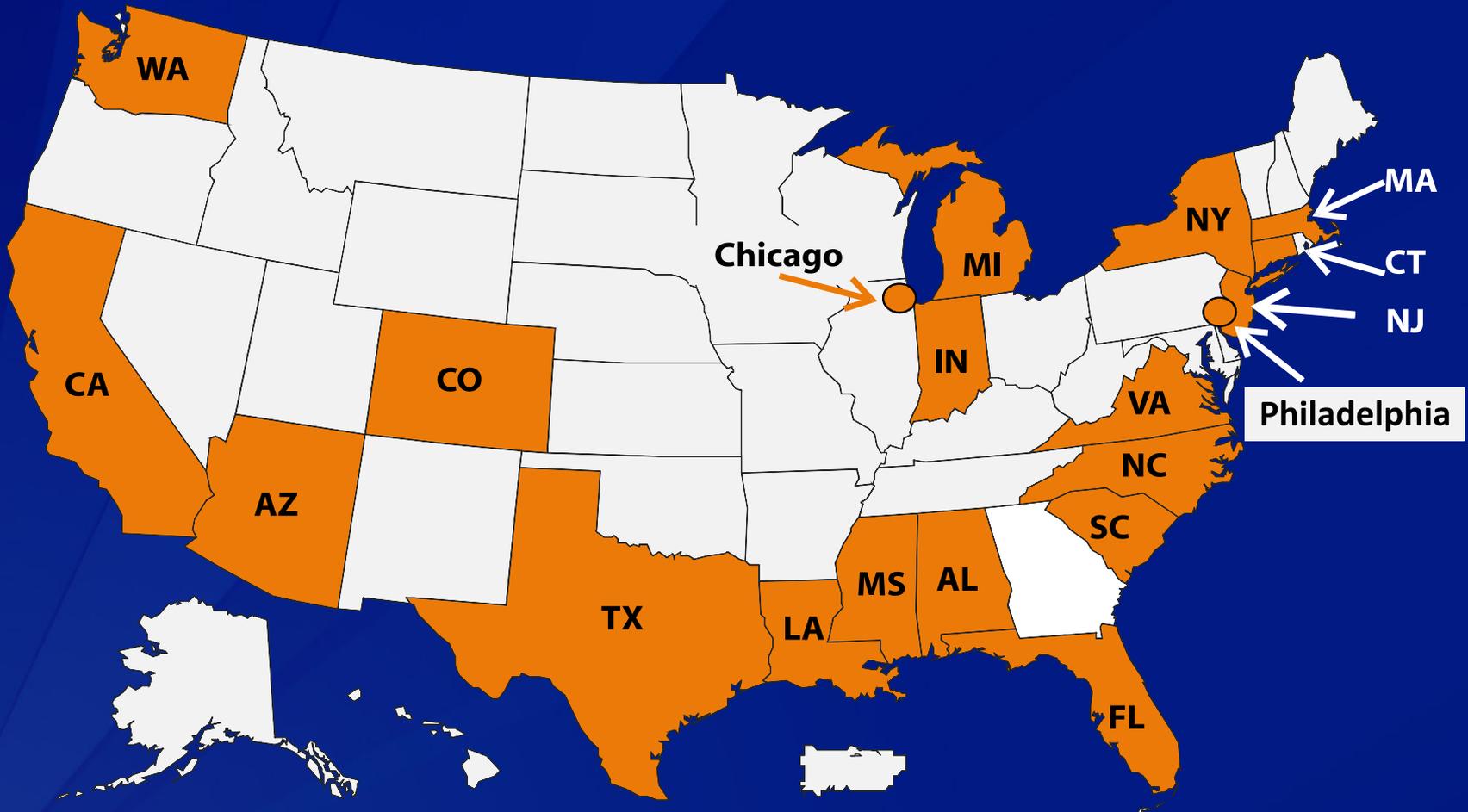
HIV Incidence 2007 – 2010

- ❑ Published in CDC HIV Surveillance Supplemental Report 2012;17(No.4) December, 2012
- ❑ HIV surveillance is a dynamic system
- ❑ Updates the estimates for 2007 – 2009 and provides initial estimate for 2010

http://www.cdc.gov/hiv/pdf/statistics_hssr_vol_17_no_4.pdf



Health Department Data Included in the 2007 –2010 HIV Incidence Estimates



Results

- ❑ Data include only rounded estimates for incidence
- ❑ Change in estimated numbers of new HIV infections is based on an increase or decrease comparing 2008, 2009 to 2010 that is statistically significant at the 0.05 level using the z-test

Estimated Incidence of HIV Infection, Overall, and by Sex, 2007-2010 — United States

	2007	2008	2009	2010
	No. (95% CI) ^a	No. (95% CI)	No. (95% CI)	No. (95% CI)
Male	39,600 (34,900–44,300)	35,500 (31,300–39,700)	34,400 (30,300–38,400)	38,000 (33,400–42,600)
Female	13,600 (11,500–15,600)	12,000 (10,100–13,900)	10,600 9,000–12,300	9,500* (8,100–10,900)
Total	53,200 (47,000–59,400)	47,500 (42,000–53,000)	45,000 (39,900–50,100)	47,500 (42,000–53,000)

Note: Because column totals for estimated numbers were calculated independently of the values for the subpopulations, the values in each column may not sum to the column total.

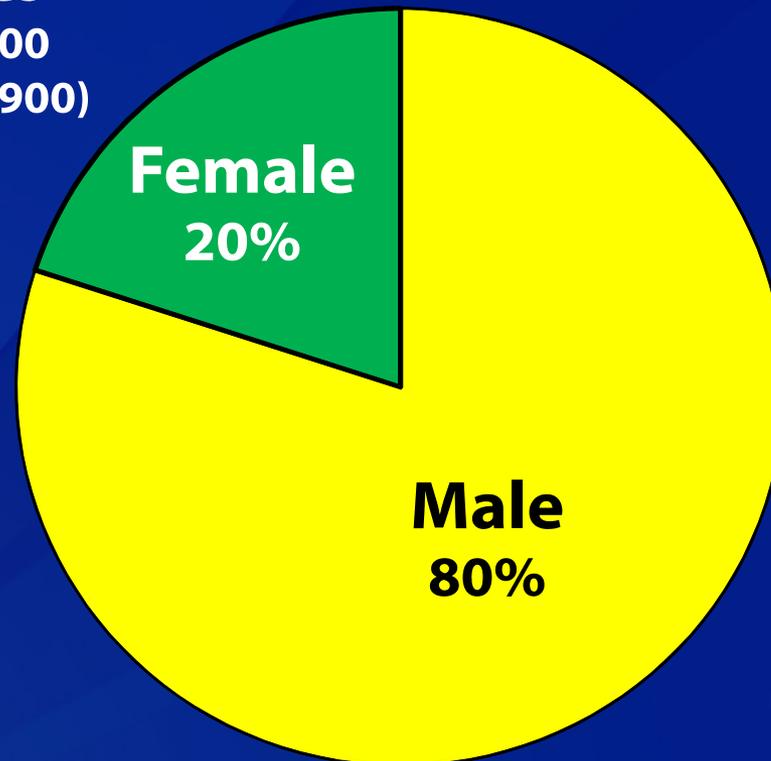
^aCI = Confidence Interval. Confidence intervals reflect random variability affecting model uncertainty but may not reflect model-assumption uncertainty; thus, they should be interpreted with caution.

* Indicates significantly different ($p < 0.05$) from the 2008 estimate for the same group.



Estimated Incidence of HIV Infection among Adults and Adolescents, by Sex, 2010 — United States

Females
No. = 9,500
(8,100–10,900)

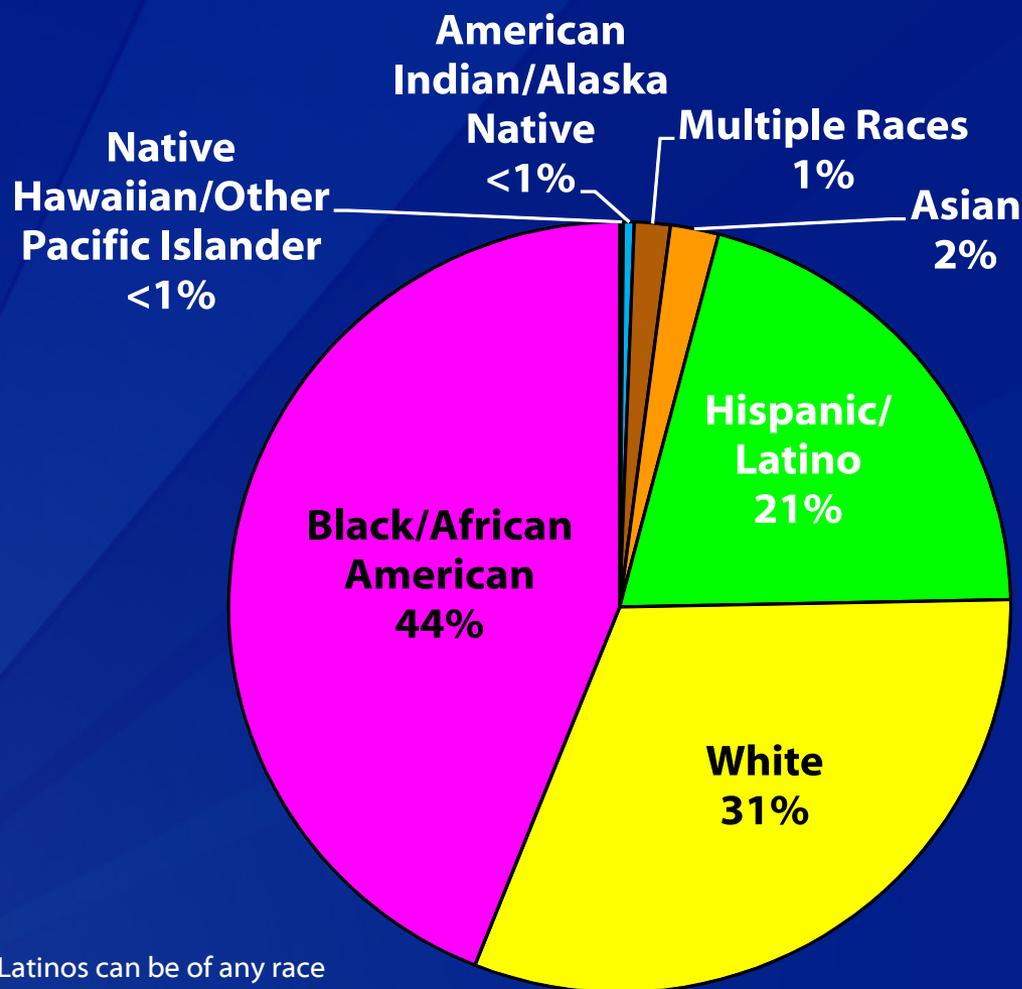


Males
No. = 38,000
(33,400–42,600)

Confidence intervals reflect random variability affecting model uncertainty but may not reflect model-assumption uncertainty; thus, they should be interpreted with caution.

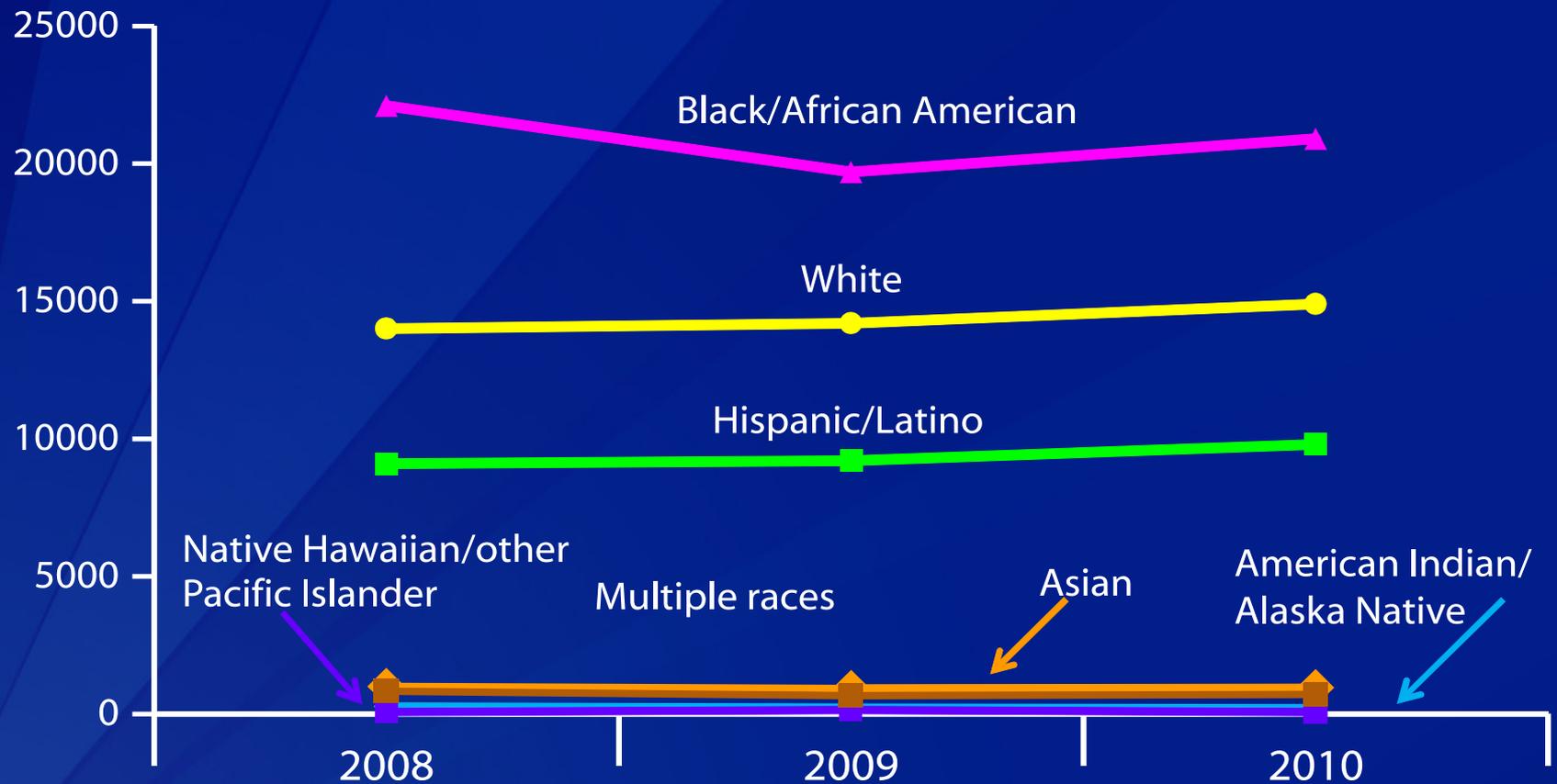


Estimated Incidence of HIV Infection among Adults and Adolescents, by Race/Ethnicity, 2010 — United States



Note: Hispanics/Latinos can be of any race

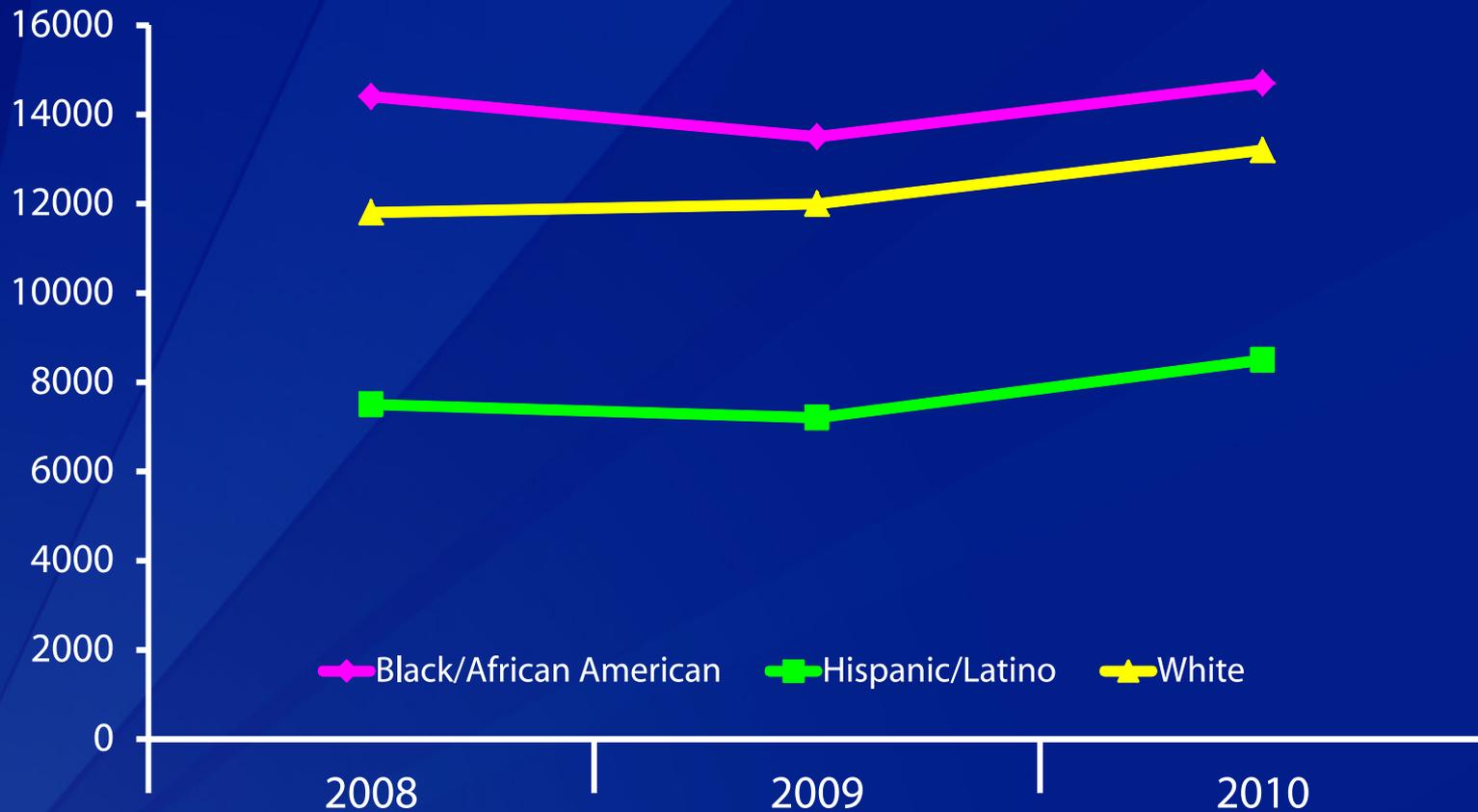
Estimated Incidence of HIV Infection among Adults and Adolescents, by Race/Ethnicity, 2008-2010 — United States



Note: Hispanics/Latinos can be of any race

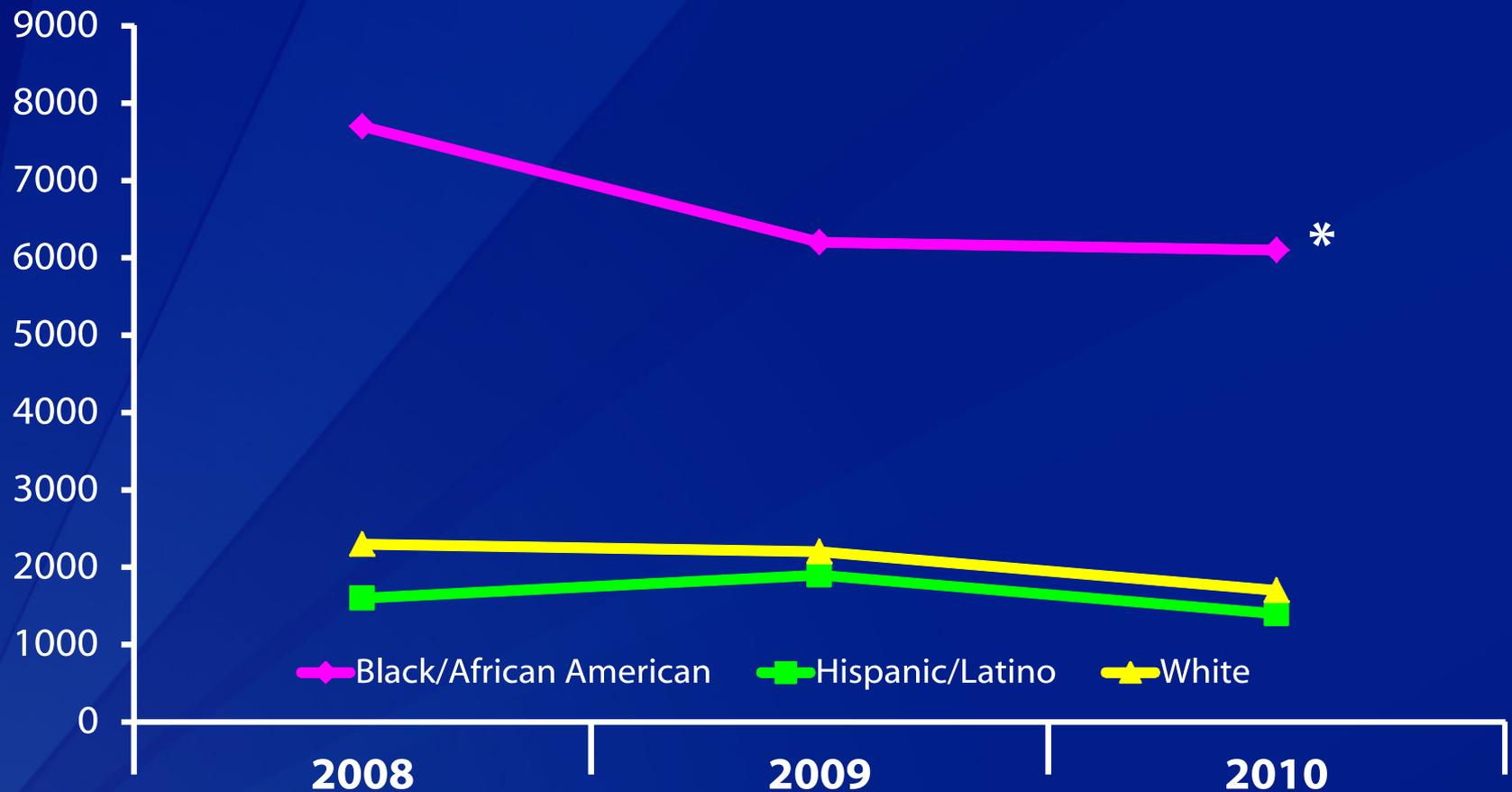


Estimated Incidence of HIV Infection among Adult and Adolescent Males, by Race/Ethnicity, 2008-2010 — United States



Note: Hispanics/Latinos can be of any race.

Estimated Incidence of HIV Infection among Adult and Adolescent Females, by Race/Ethnicity, 2008-2010 — United States

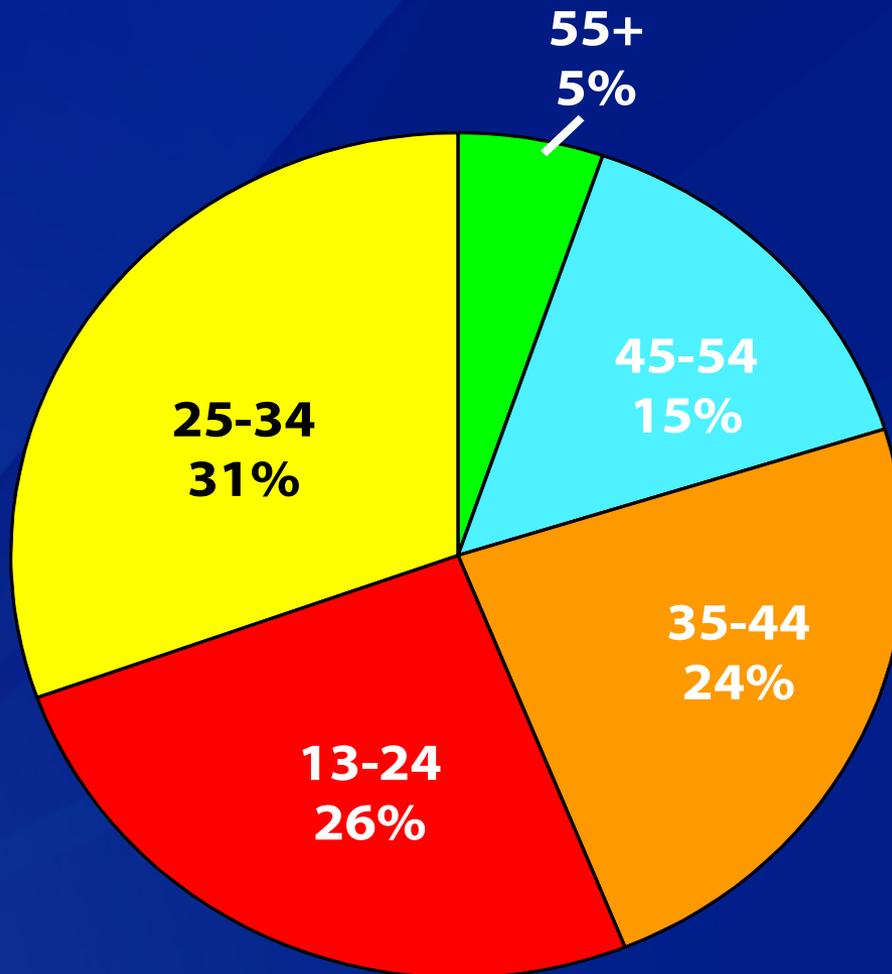


Note: Hispanics/Latinos can be of any race.

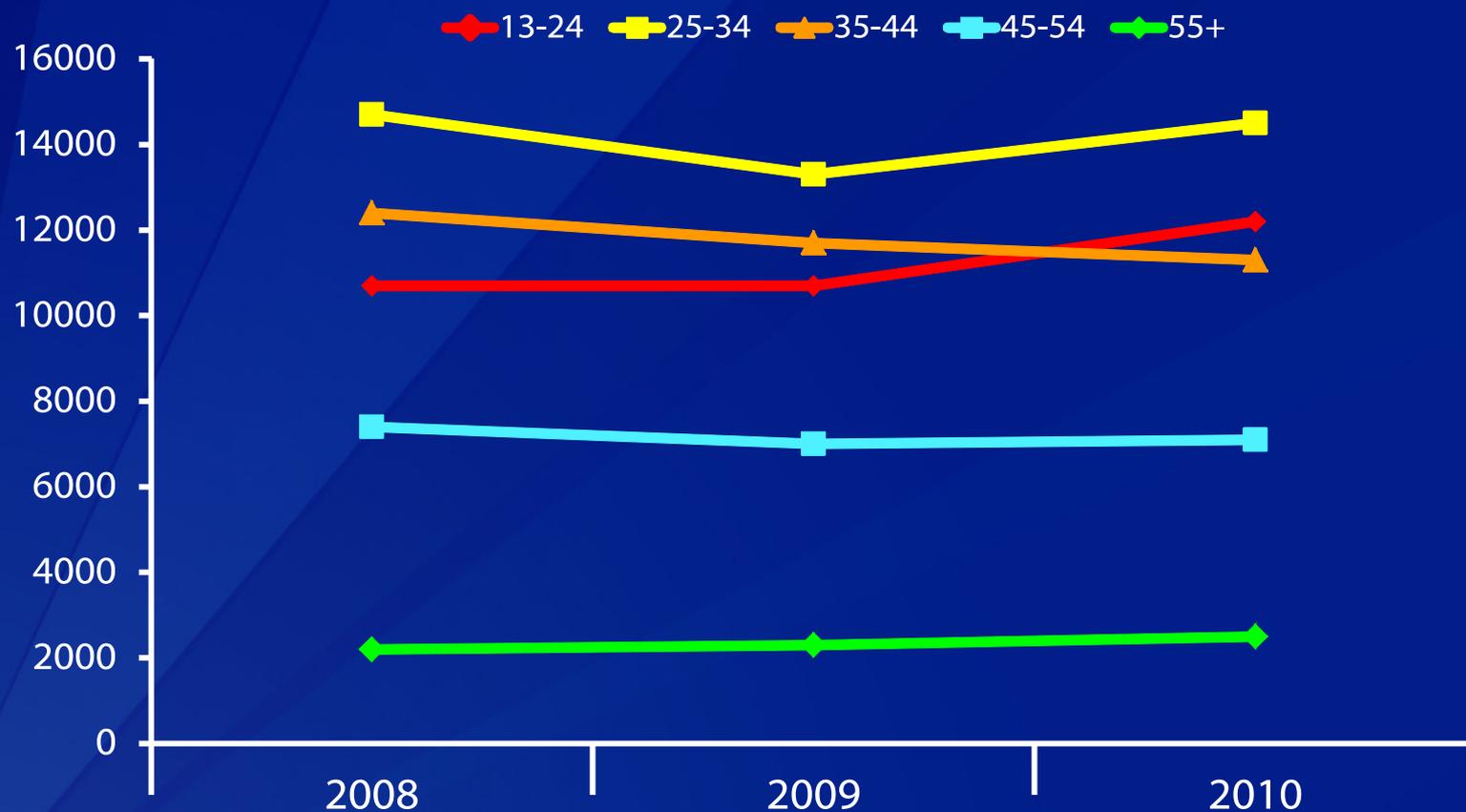
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Estimated Incidence of HIV Infection among Adults and Adolescents, by Age at Infection, 2010 — United States

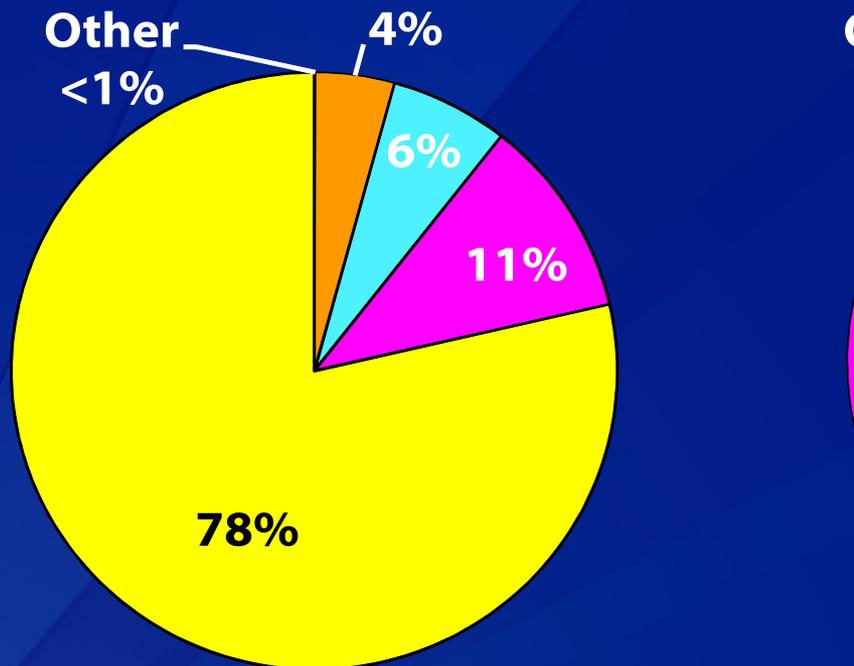


Estimated Incidence of HIV Infection among Adults and Adolescents, by Age at Infection, 2008-2010 — United States



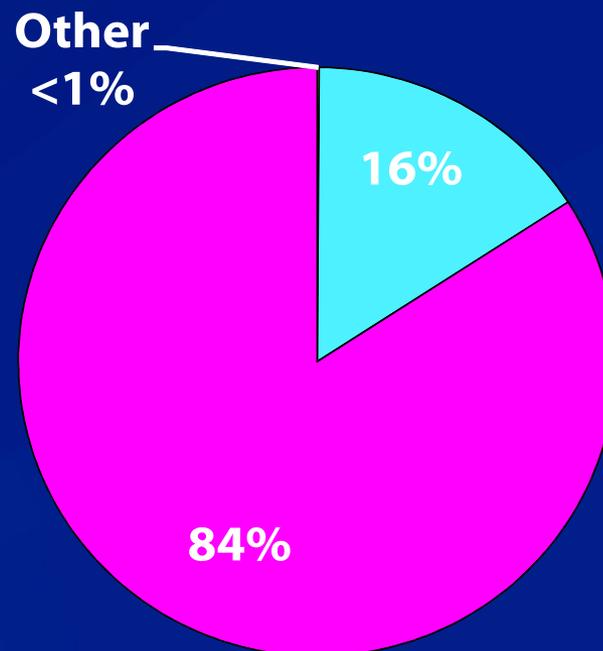
Estimated Incidence of HIV Infection among Adults and Adolescents, by Sex and Transmission Category, 2010 — United States

MALE



- Male-to-male sexual contact
- Injection drug use (IDU)
- Male-to-male sexual contact and IDU

FEMALE

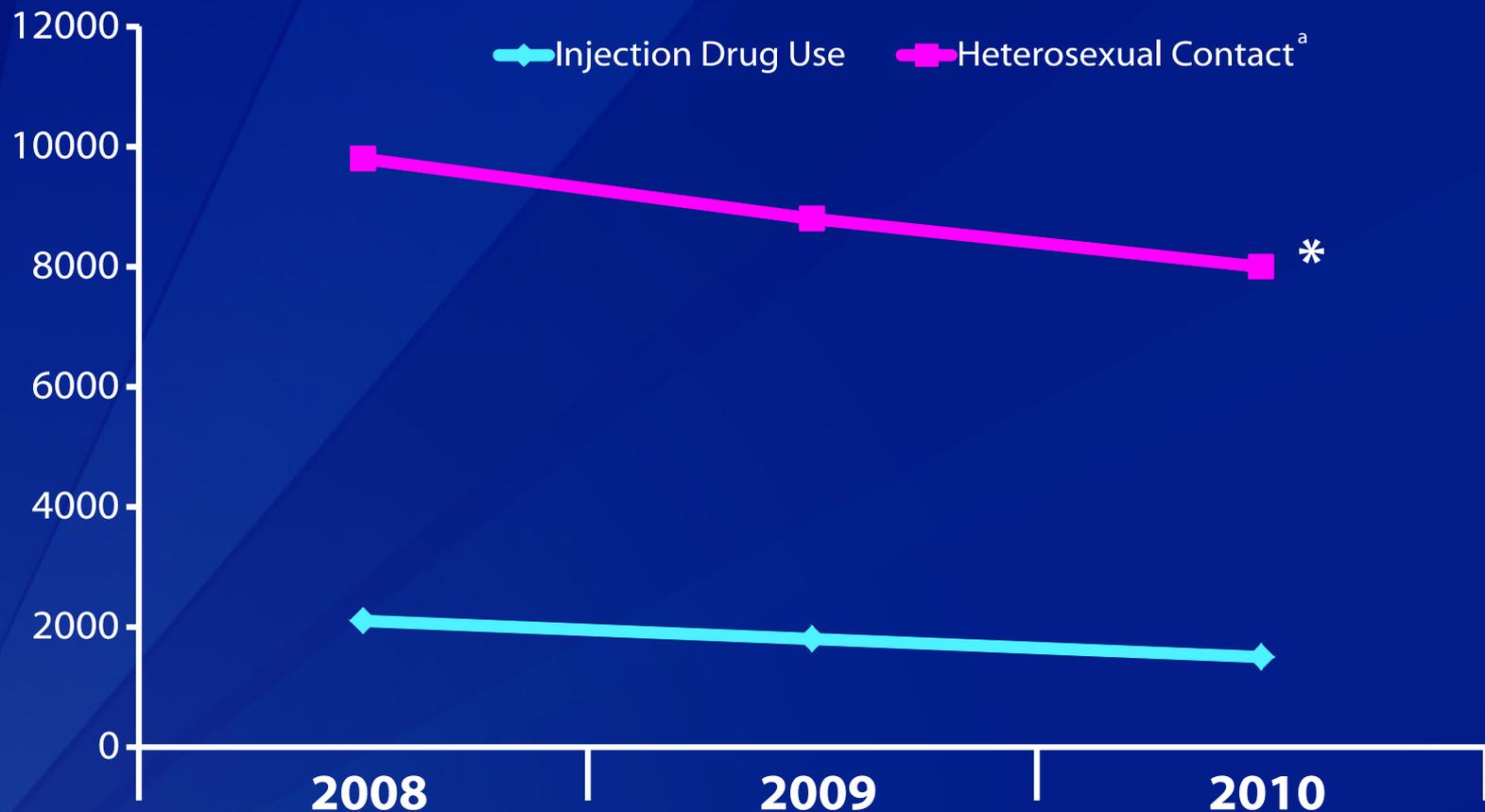


- Heterosexual contact^a
- Other^b

^a Heterosexual contact with a person known to have, or to be at high risk for, HIV infection.

^b Includes hemophilia, blood transfusion, perinatal exposure, and risk factor not reported or not identified.

Estimated Incidence of HIV Infection among Adult and Adolescent Females, by Transmission Category, 2008-2010 — United States



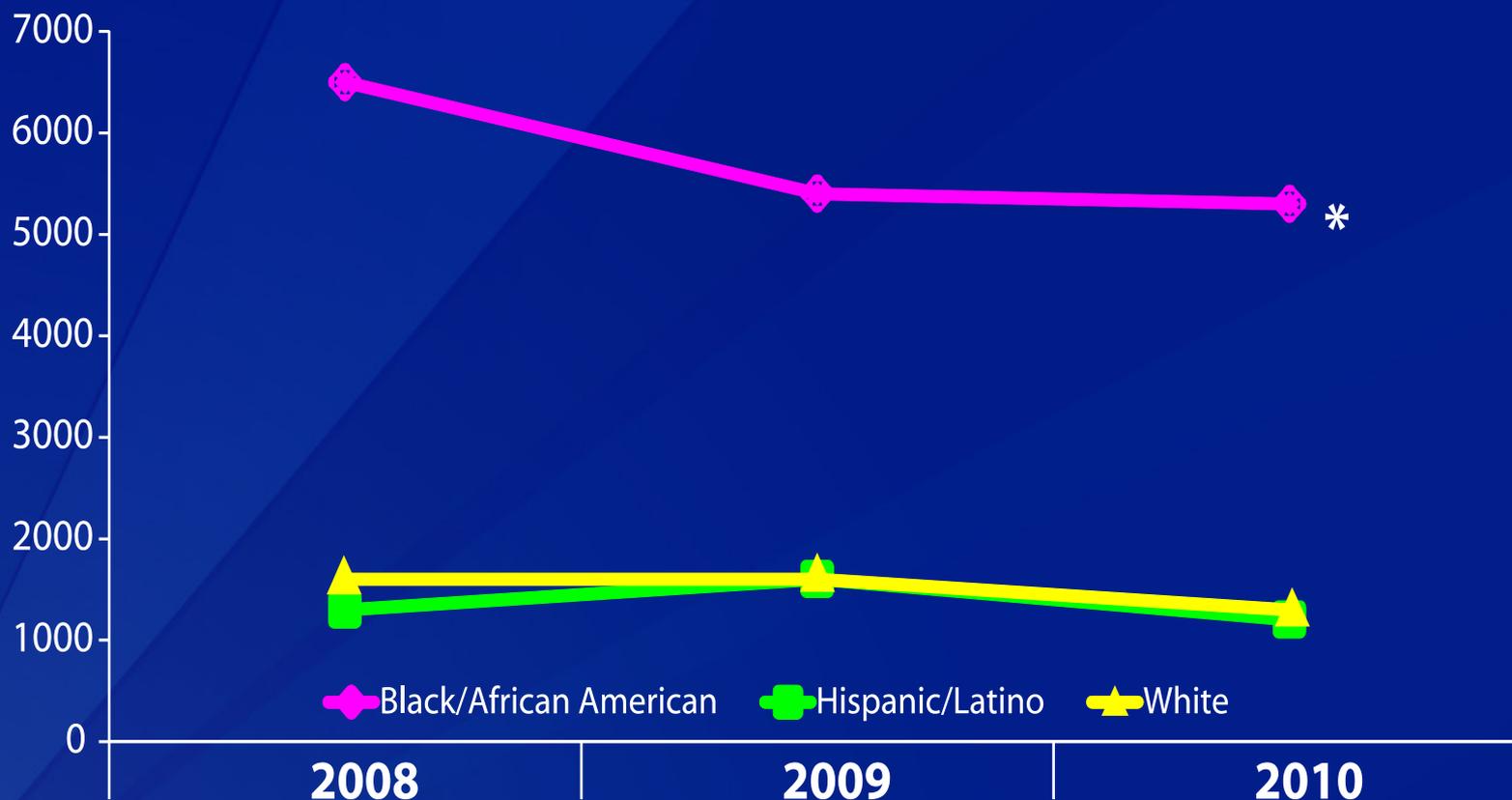
Note:

*Indicates significantly different ($p < 0.05$) from the 2008 estimate for the same group.

^a Heterosexual contact with a person known to have, or to be at high risk for, HIV infection.



Estimated Incidence of HIV Infection among Females with Infection Attributed to Heterosexual Contact, 2008-2010 — United States

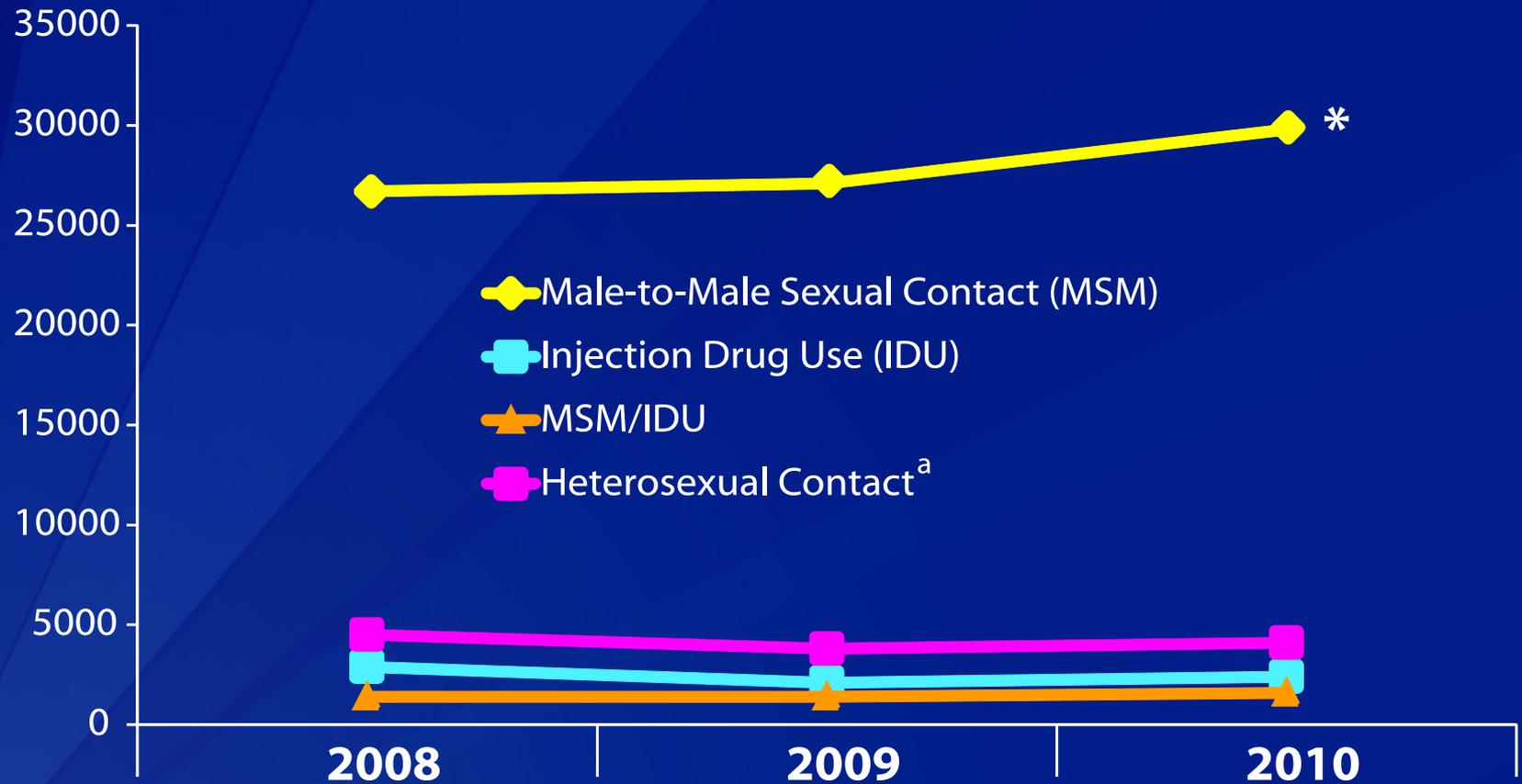


Note: Heterosexual contact with a person known to have, or to be at high risk for, HIV infection.
Hispanics/Latinos can be of any race.

*Indicates significantly different ($p < 0.05$) from the 2008 estimate for the same group



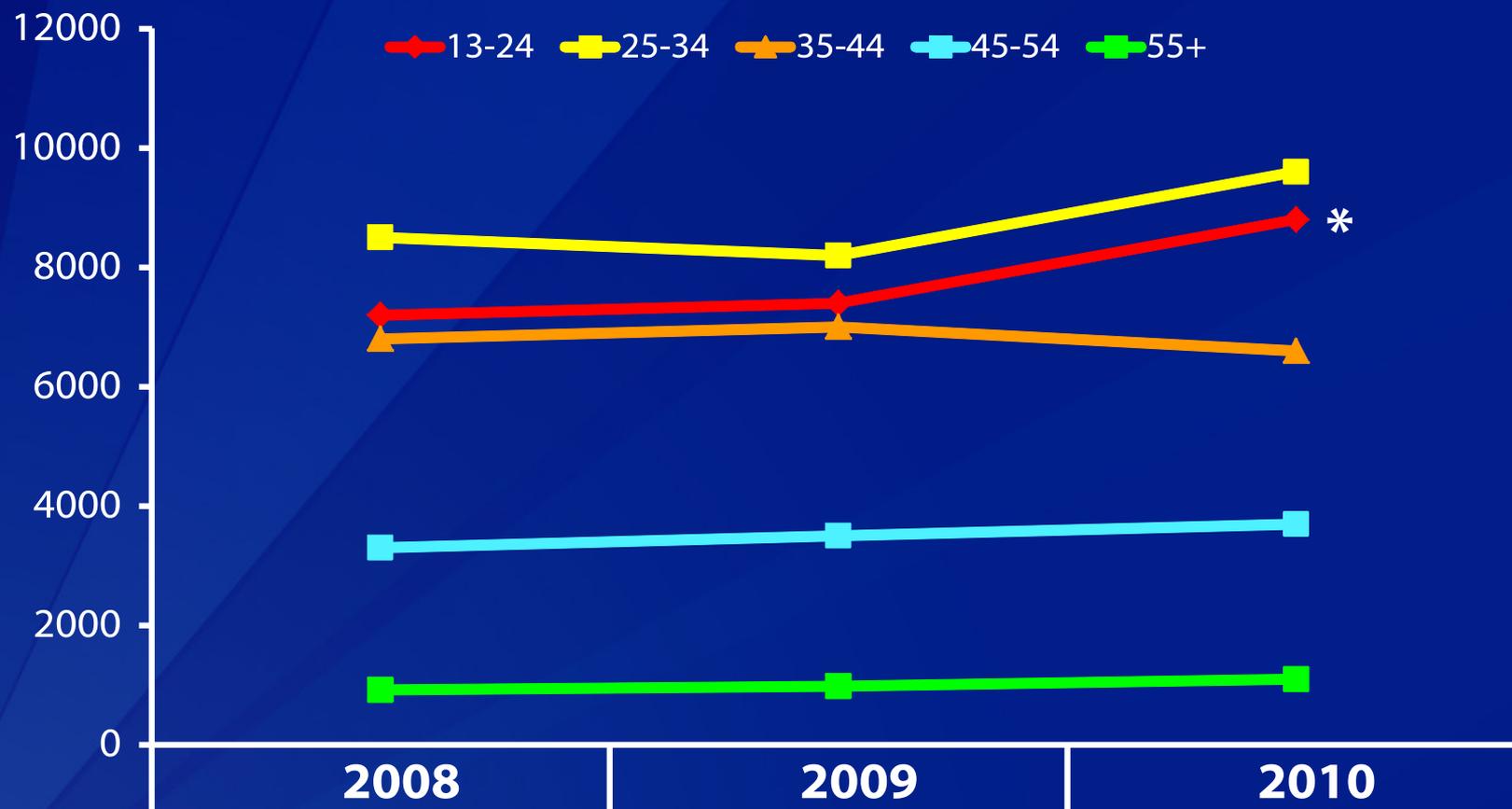
Estimated Incidence of HIV Infection among Adults and Adolescents Males, by Transmission Category, 2008-2010 — United States



^a Heterosexual contact with a person known to have, or to be at high risk for, HIV infection.

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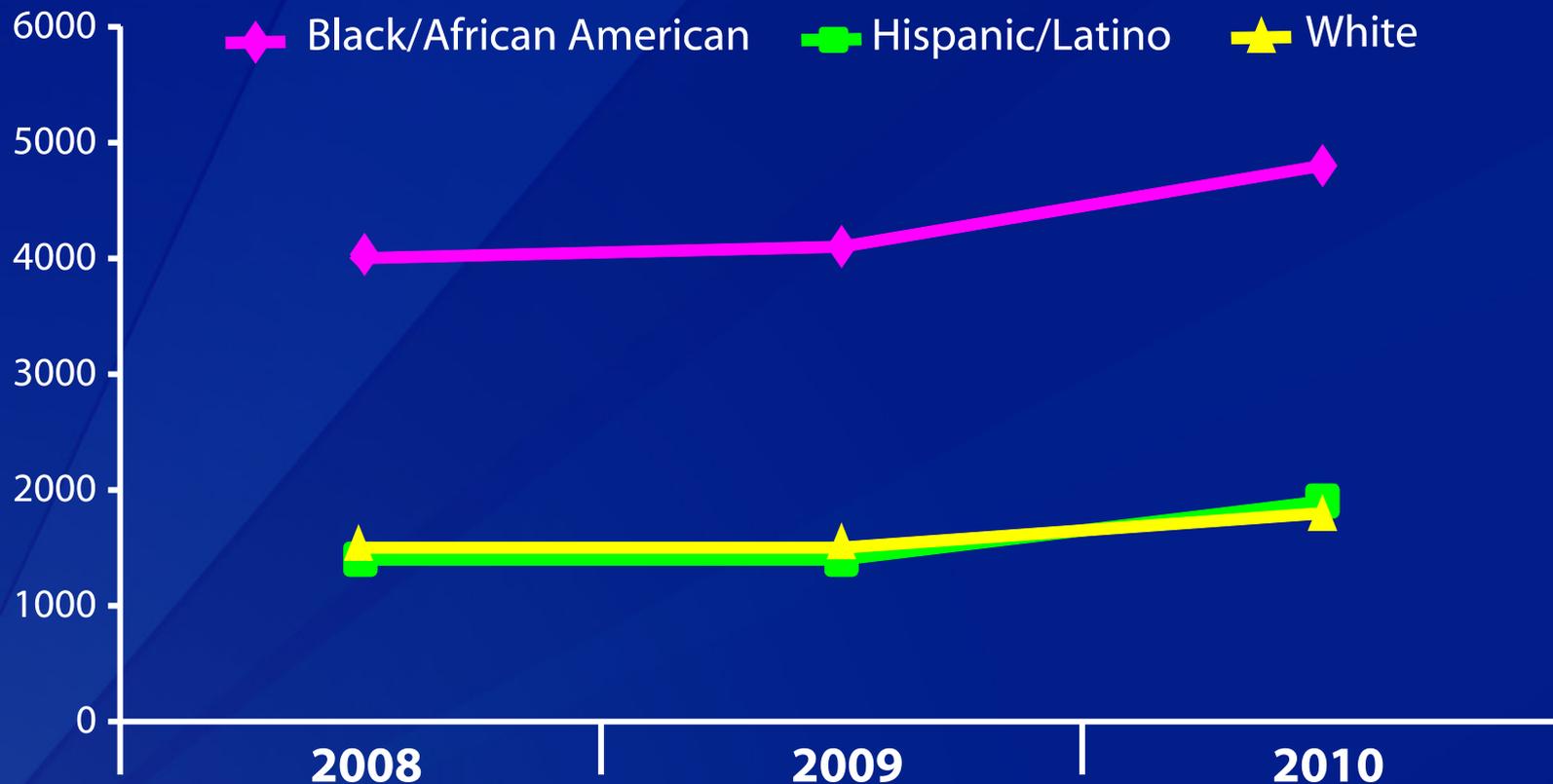
Estimated Incidence of HIV Infection among Men who have Sex with Men, by Age Group, 2008-2010 — United States



*Indicates significantly different ($p < 0.05$) from the 2008 estimate for the same group



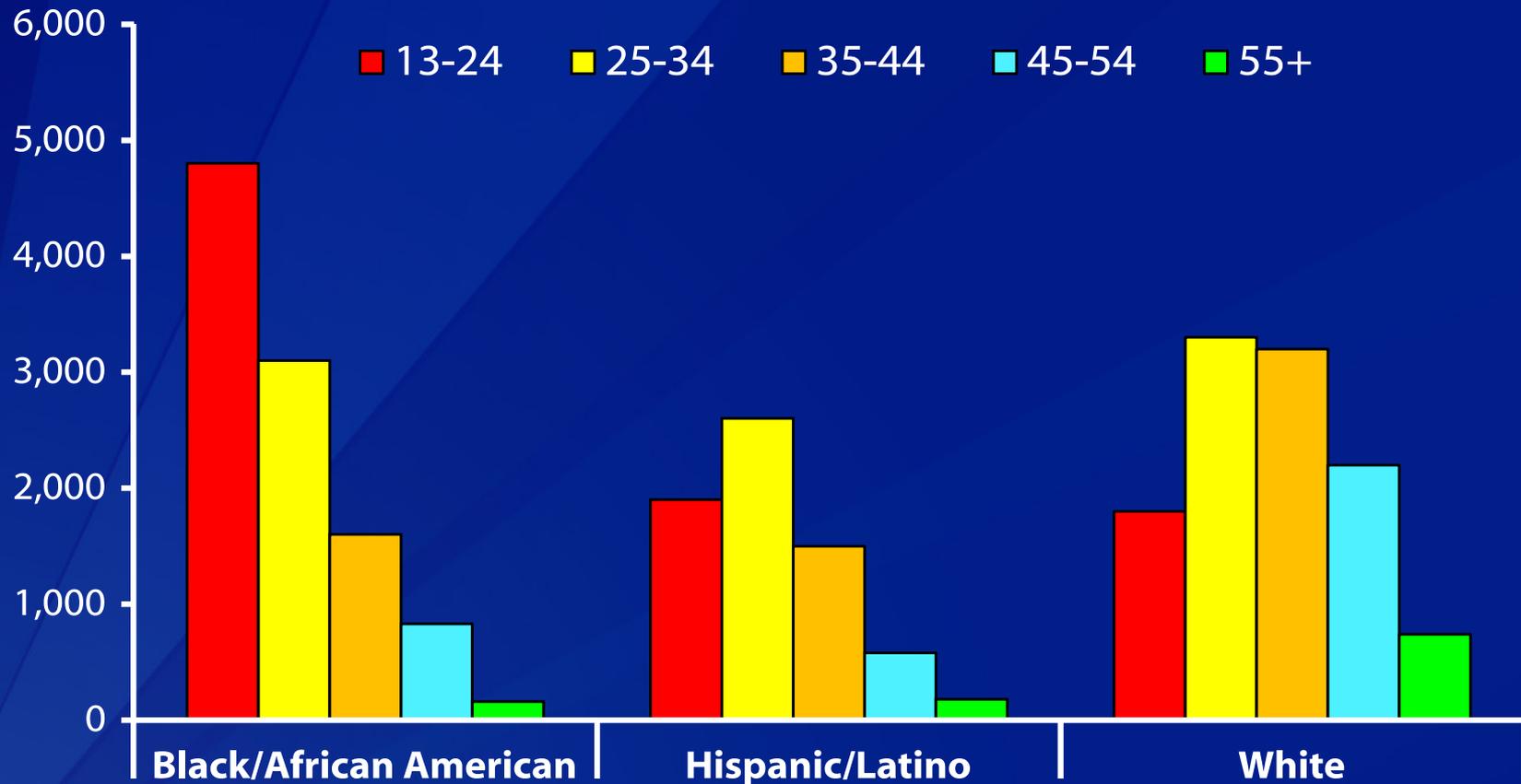
Estimated Incidence of HIV Infection among Men who have Sex with Men Aged 13-24 years, by Race/Ethnicity, 2008-2010 — United States



Note: Hispanics/Latinos can be of any race.



Estimated Incidence of HIV Infection among Men who have Sex with Men, by Race/Ethnicity and Age at Infection, 2010 — United States



Note: Hispanics/Latinos can be of any race.



Data Summary

- ❑ HIV incidence remained stable overall
- ❑ Burden is still high among MSM, blacks/African Americans and Hispanics/Latinos
- ❑ Increases among MSM overall, especially in the youngest MSM aged 13-24 years
- ❑ Decreases among women, especially among black/ African American women