

HIV/AIDS Surveillance for Hispanics

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Hispanic/Latino HIV/AIDS Consultation
April 1, 2008

The findings and conclusions in this presentation are those of the authors and do not necessarily represent the official position of the Centers of Disease Control and Prevention



Topics

- National HIV/AIDS Surveillance
- Current Status of the HIV/AIDS Epidemic among Hispanics



National HIV/AIDS Surveillance

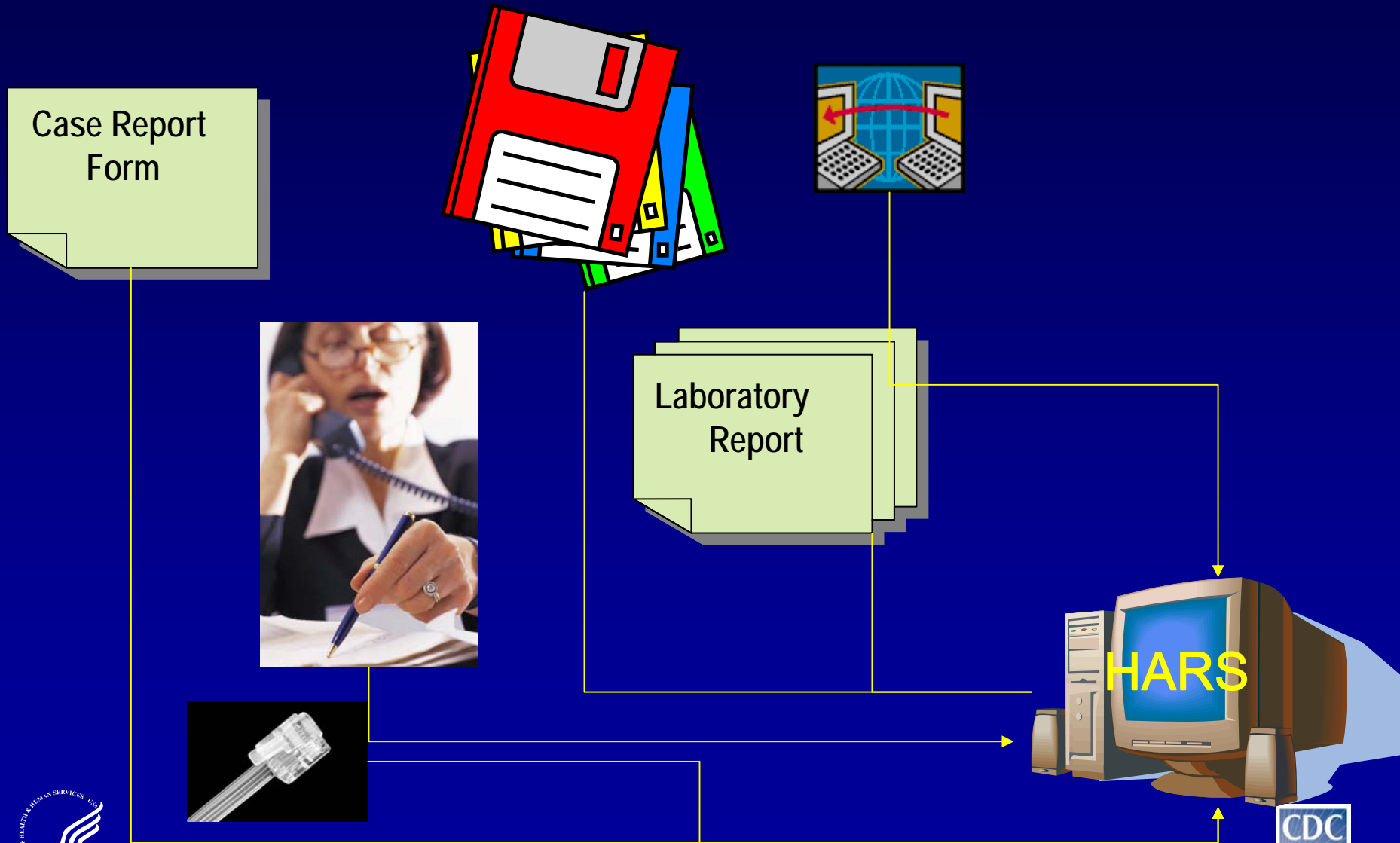


HIV/AIDS Surveillance

HIV/AIDS surveillance is the **systematic collection, analysis**, interpretation, dissemination, and **evaluation** of **population-based** information about persons diagnosed with HIV infection or AIDS.



How Data Come To The Health Department



Adult HIV/AIDS Case Report Form

I. STATE/LOCAL USE ONLY

Patient's Name: _____ Phone No.: () _____
 (Last, First, M.I.)
 Address: _____ City: _____ County: _____ State: _____ Zip Code: _____

RETURN TO STATE/LOCAL HEALTH DEPARTMENT - Patient identifier information is not transmitted to CDC! -

U.S. DEPARTMENT OF HEALTH & HUMAN SERVICES
 Centers for Disease Control and Prevention

ADULT HIV/AIDS CONFIDENTIAL CASE REPORT
 (Patients ≥13 years of age at time of diagnosis)

CDC
 Form Approved OMB No. 0920-0573 Exp Date 2/28/2010

II. HEALTH DEPARTMENT USE ONLY

DATE FORM COMPLETED: Mo. Day Yr. _____

REPORT SOURCE: _____

SOUND EX CODE: _____

REPORT STATUS: 1 New Report, 2 Update

REPORTING HEALTH DEPARTMENT: State: _____ City: _____ County: _____

State Patient No.: _____ City/Country Patient No.: _____

III. DEMOGRAPHIC INFORMATION

DIAGNOSTIC STATUS AT REPORT (check one): 1 HIV Infection (not AIDS), 2 AIDS

AGE AT DIAGNOSIS: _____ Years

DATE OF BIRTH: Mo. Day Yr. _____

CURRENT STATUS: 1 Alive, 2 Dead, 3 Unk.

DATE OF DEATH: Mo. Day Yr. _____

STATE/TERRITORY OF DEATH: _____

SEX: 1 Male, 2 Female

ETHNICITY: (select one) 1 Hispanic, 2 Not Hispanic or Latino, 3 Unk.

RACE: (select one or more) American Indian/Alaska Native, Asian, Black or African American, Native Hawaiian or Other Pacific Islander, White, Unk.

COUNTRY OF BIRTH: 1 U.S., 2 U.S. Dependencies and Possessions and Puerto Rico, 3 Other (specify): _____

RESIDENCE AT DIAGNOSIS: City: _____ County: _____ State: _____ Zip Code: _____

IV. FACILITY OF DIAGNOSIS

Facility Name: _____
 City: _____
 State/Country: _____

FACILITY SETTING (check one): 1 Public, 2 Private, 3 Federal, 9 Unk.

FACILITY TYPE (check one): 01 Physician, HMO, 03 Hospital, Inpatient, 88 Other (specify): _____

This report to the Centers for Disease Control and Prevention (CDC) is authorized by law (Sections 304 and 306 of the Public Health Service Act, 42 USC 242b and 242k). Response in this case is voluntary for federal government purposes, but may be mandatory under state and local statutes. Your cooperation is necessary for the understanding and control of HIV/AIDS. Information in CDC's HIV/AIDS surveillance system that would permit identification of any individual on whom a record is maintained, is collected with a guarantee that it will be held in confidence, will be used only for the purposes stated in the assurance on file at the local health department, and will not otherwise be disclosed or released without the consent of the individual in accordance with Section 306(d) of the Public Health Service Act (42 USC 242m).

V. PATIENT HISTORY

AFTER 1977 AND PRECEDING THE FIRST POSITIVE HIV ANTIBODY TEST OR AIDS DIAGNOSIS, THIS PATIENT HAD (Respond to ALL Categories):

	Yes	No	Unk.
Sex with male	1	0	9
Sex with female	1	0	9
Injected nonprescription drugs	1	0	9
Received clotting factor for hemophilia/coagulation disorder	1	0	9
Specify: 1 Factor VIII, 2 Factor IX, 8 Other (specify): _____			
HETEROSEXUAL relations with any of the following:			
• Intravenous/injection drug user	1	0	9
• Bisexual male	1	0	9
• Person with hemophilia/coagulation disorder	1	0	9
• Transfusion recipient with documented HIV infection	1	0	9
• Transplant recipient with documented HIV infection	1	0	9
• Person with AIDS or documented HIV infection, risk not specified	1	0	9
• Received transfusion of blood/blood components (other than clotting factor)	1	0	9
First Mo. Yr. _____ Last Mo. Yr. _____			
• Received transplant of tissue/organs or artificial insemination	1	0	9
• Worked in a health-care or clinical laboratory setting (specify occupation): _____	1	0	9

VI. LABORATORY DATA

1. HIV ANTIBODY TESTS AT DIAGNOSIS: (Indicate first test)

	Pos	Neg	Ind	Not Done	TEST DATE
	1	0	8	9	Mo. Yr.
HIV-1 EIA	1	0	8	9	
HIV-1/HIV-2 combination EIA	1	0	8	9	
HIV-1 Western blot/IFA	1	0	8	9	
Other HIV antibody test (specify): _____	1	0	8	9	

2. POSITIVE HIV DETECTION TEST: (Record earliest test)

culture antigen PCR, DNA or RNA probe

Other (specify): _____

3. DETECTABLE VIRAL LOAD TEST: (Record most recent test)

Test type: _____ COPIES/ML _____

Mo. Yr. _____

*Type: 11. NASBA (Organon) 12. RT-PCR (Roche) 13. bDNA/Chiron 18. Other

4. IMMUNOLOGIC LAB TESTS:

AT OR CLOSEST TO CURRENT DIAGNOSTIC STATUS

CD4 Count _____ cells/µL

CD4 Percent _____ %

First <200 µL or <14% _____

CD4 Count _____ cells/µL

CD4 Percent _____ %

Date of last documented negative HIV test (specify type): _____

If HIV laboratory tests were not documented, is HIV diagnosis documented by a physician? Yes No Unk. 1 0 9

If yes, provide date of documentation by physician _____



Uses of HIV/AIDS Surveillance Data

- Monitor the incidence and prevalence of HIV infection and AIDS, and HIV-related morbidity and mortality in the population
- Identify changes in trends of HIV transmission and identify populations at risk
- Target prevention interventions and evaluate their effectiveness
- Allocate funds for social and health services, and for prevention programs
- Facilitate access to health, social and prevention services, including medical treatment



HIV/AIDS Surveillance Data including Hispanics

- HIV/AIDS Surveillance Reports
 - Cases of HIV Infection and AIDS in the United States by Race/Ethnicity, 2001–2004
 - Cases of HIV Infection and AIDS in the United States and Dependent Areas, 2006
- Slide Sets
 - HIV/AIDS Surveillance by Race/Ethnicity, 2005



HIV/AIDS Surveillance Data including Hispanics (cont)

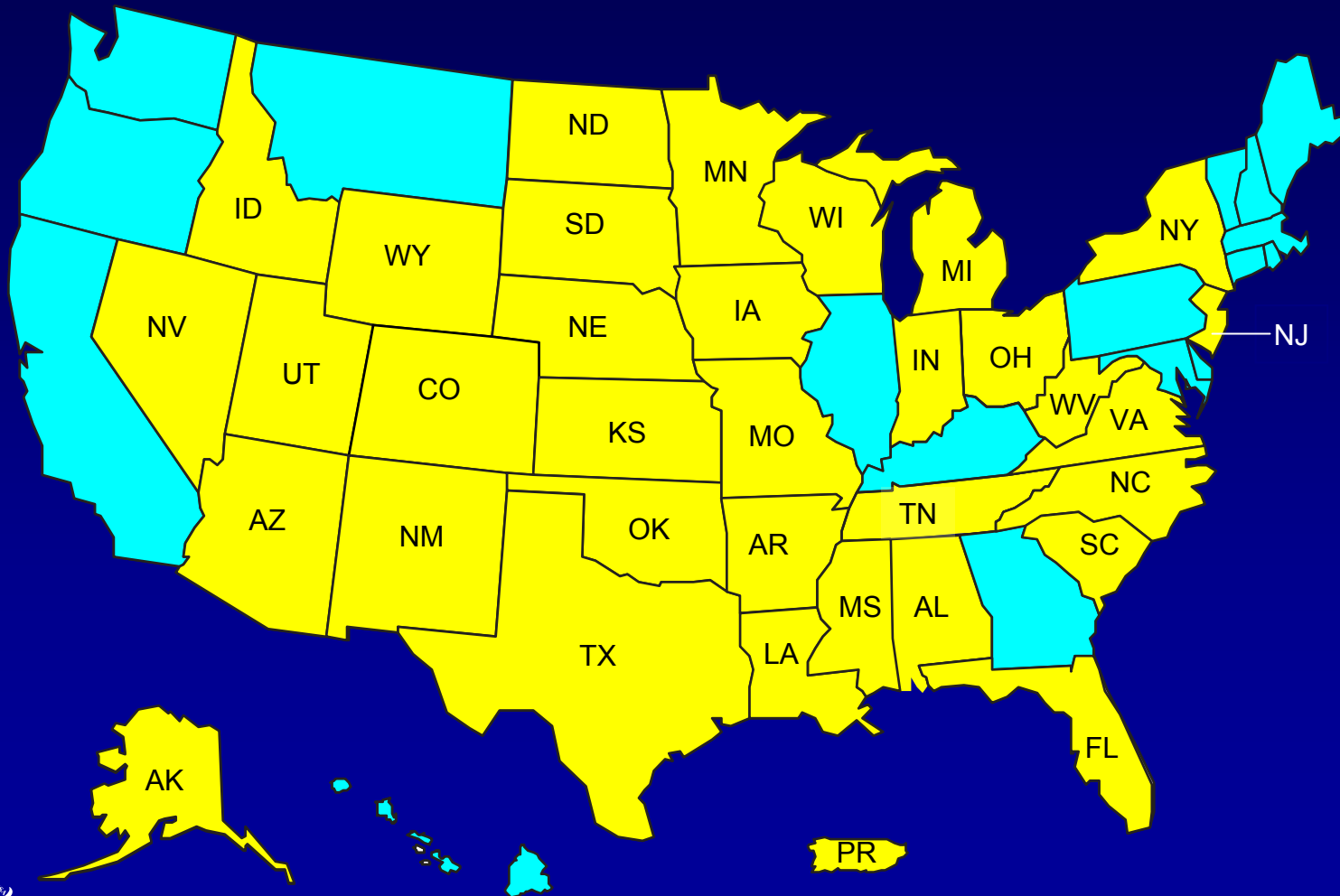
- MMWR
 - Race/Ethnic Disparities in Diagnoses of HIV/AIDS—33 States, 2001-2005
 - HIV/AIDS Among Hispanics—2001-2005
- Peer Reviewed Journals
- Fact Sheets
- Presentations at Meetings and Conferences



Diagnoses of HIV/AIDS among Hispanics



33 States and Puerto Rico for Estimated HIV/AIDS Diagnoses, 2003–2006



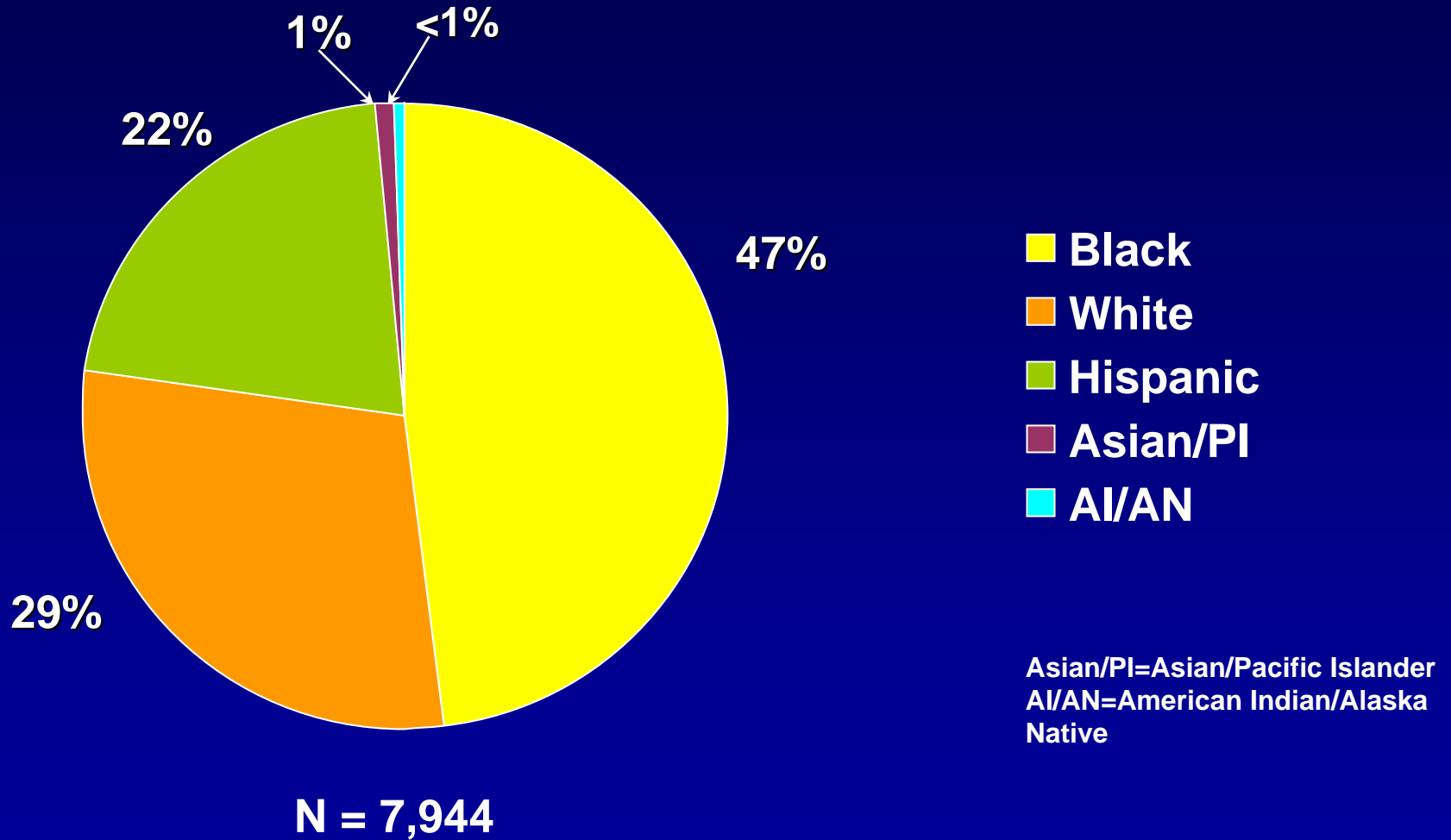
Current Status of the Epidemic: Data

- U.S. HIV/AIDS Surveillance data
 - 33 States and Puerto Rico with confidential name-based HIV infection surveillance
 - Diagnosed during 2003–2006
 - Reported through June 2007
 - Included are diagnosed HIV/AIDS cases in adults, adolescents and children





Estimated HIV/AIDS Diagnoses by Race/Ethnicity – 33 States and Puerto Rico, 2006



Data include persons diagnosed with HIV infection regardless of AIDS status at diagnosis. Data have been adjusted for reporting delays.





Estimated Numbers and Proportions of HIV/AIDS Diagnoses among Hispanic Males, by Transmission Category — 33 States and Puerto Rico, 2006

Transmission category	<u>Males</u>	
	N	(%)
Male-to-male sexual contact (MSM)	3,696	60
High-risk heterosexual contact (HRH)	1,133	19
Injection drug use (IDU)	982	16
MSM/IDU	258	4
Other/unknown	41	1
Total	6,110	100



Data include persons diagnosed with HIV infection regardless of AIDS status at diagnosis. Data have been adjusted for reporting delays and cases without risk factor information were proportionally redistributed.



Estimated Numbers and Proportions of HIV/AIDS Diagnoses among Hispanic Females, by Transmission Category — 33 States and Puerto Rico, 2006

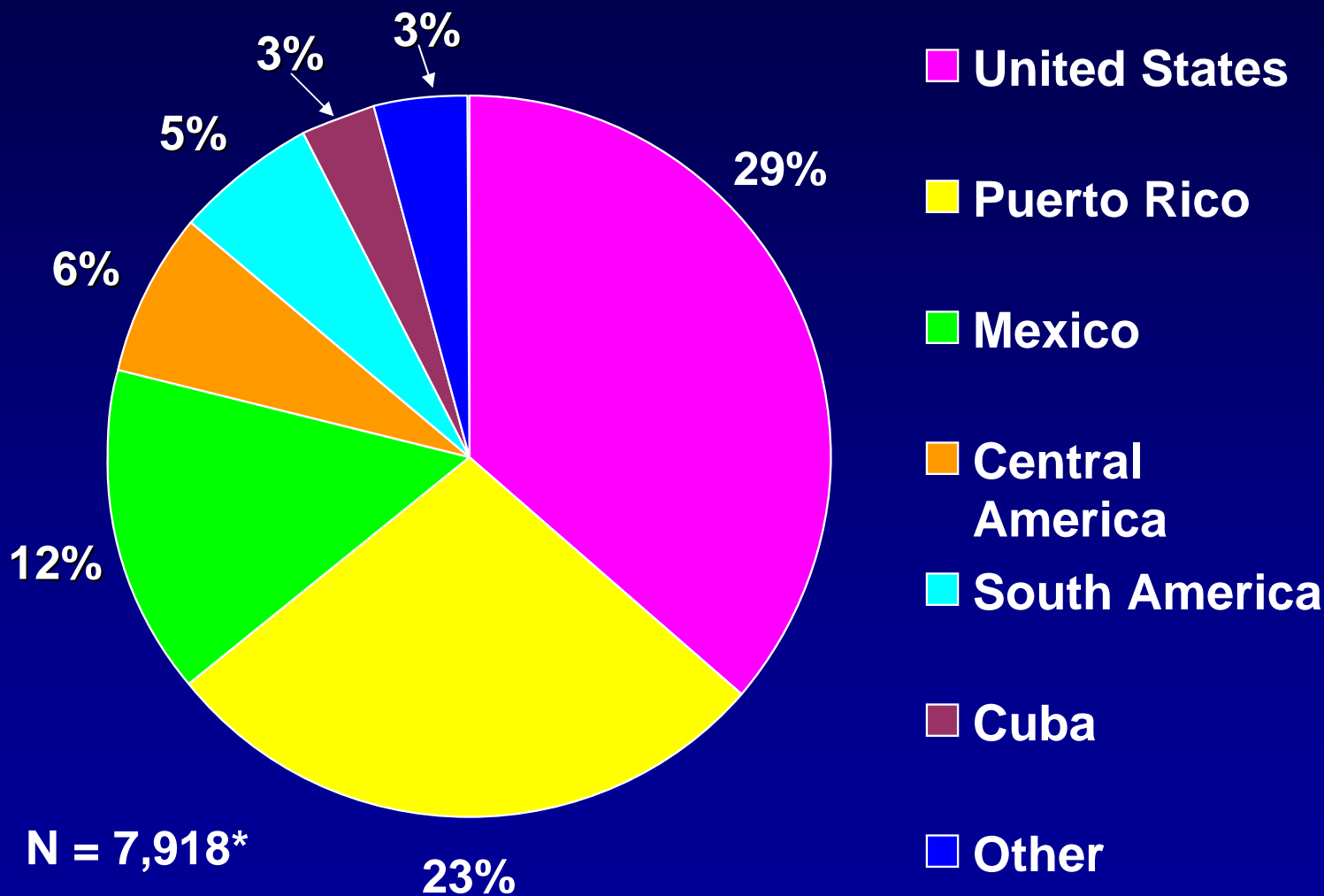
Transmission category	<u>Females</u>	
	N	(%)
High-risk heterosexual contact (HRH)	1,447	79
Injection drug use (IDU)	352	19
Other/unknown	35	2
Total	1,834	100



Data include persons diagnosed with HIV infection regardless of AIDS status at diagnosis. Data have been adjusted for reporting delays and cases without risk factor information were proportionally redistributed.



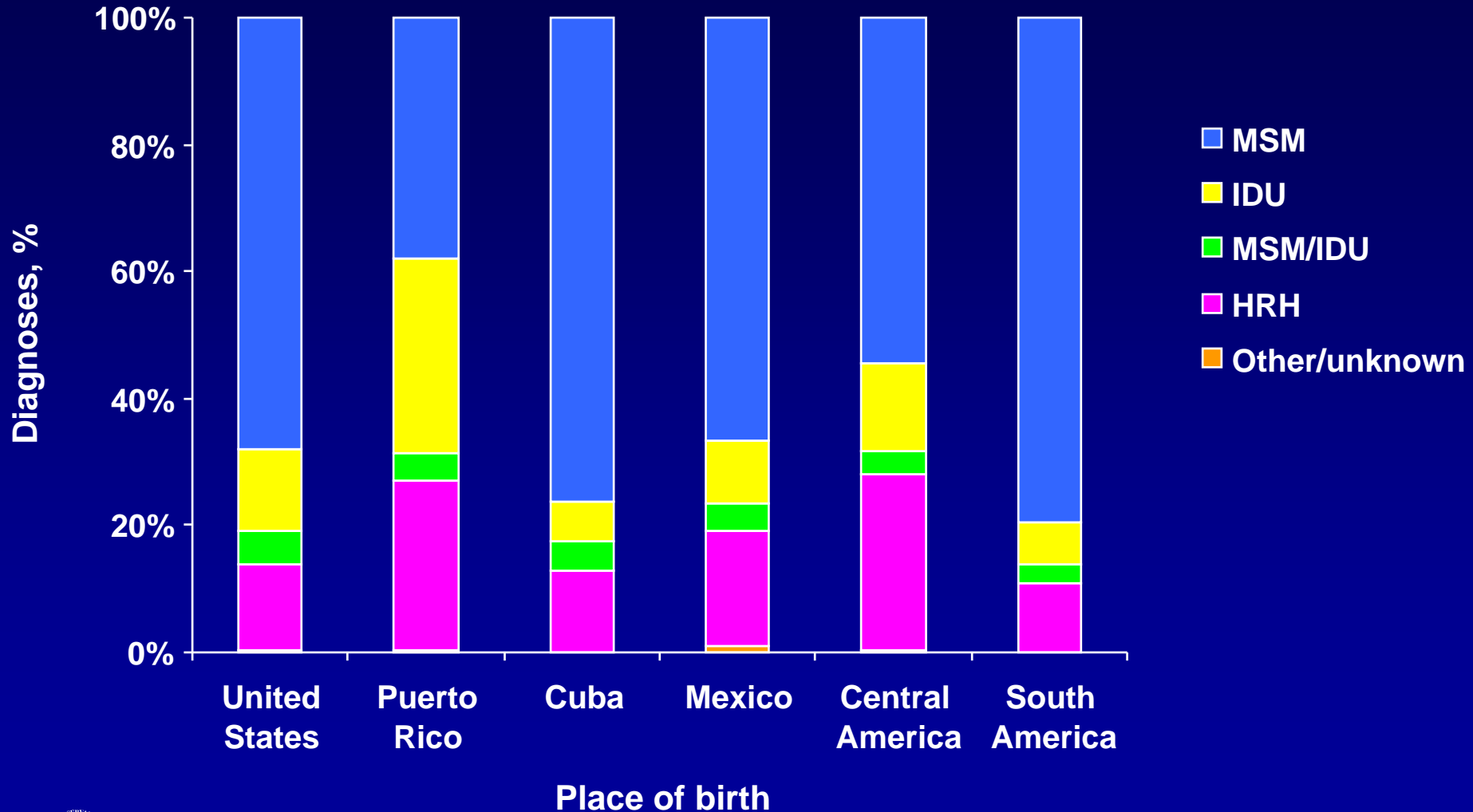
Proportions of HIV/AIDS Diagnoses among Hispanics by Place of Birth — 33 States and Puerto Rico, 2006



Data include persons diagnosed with HIV infection regardless of AIDS status at diagnosis.
Data have been adjusted for reporting delays.
*Includes 1,508 Hispanics of unknown place of birth.



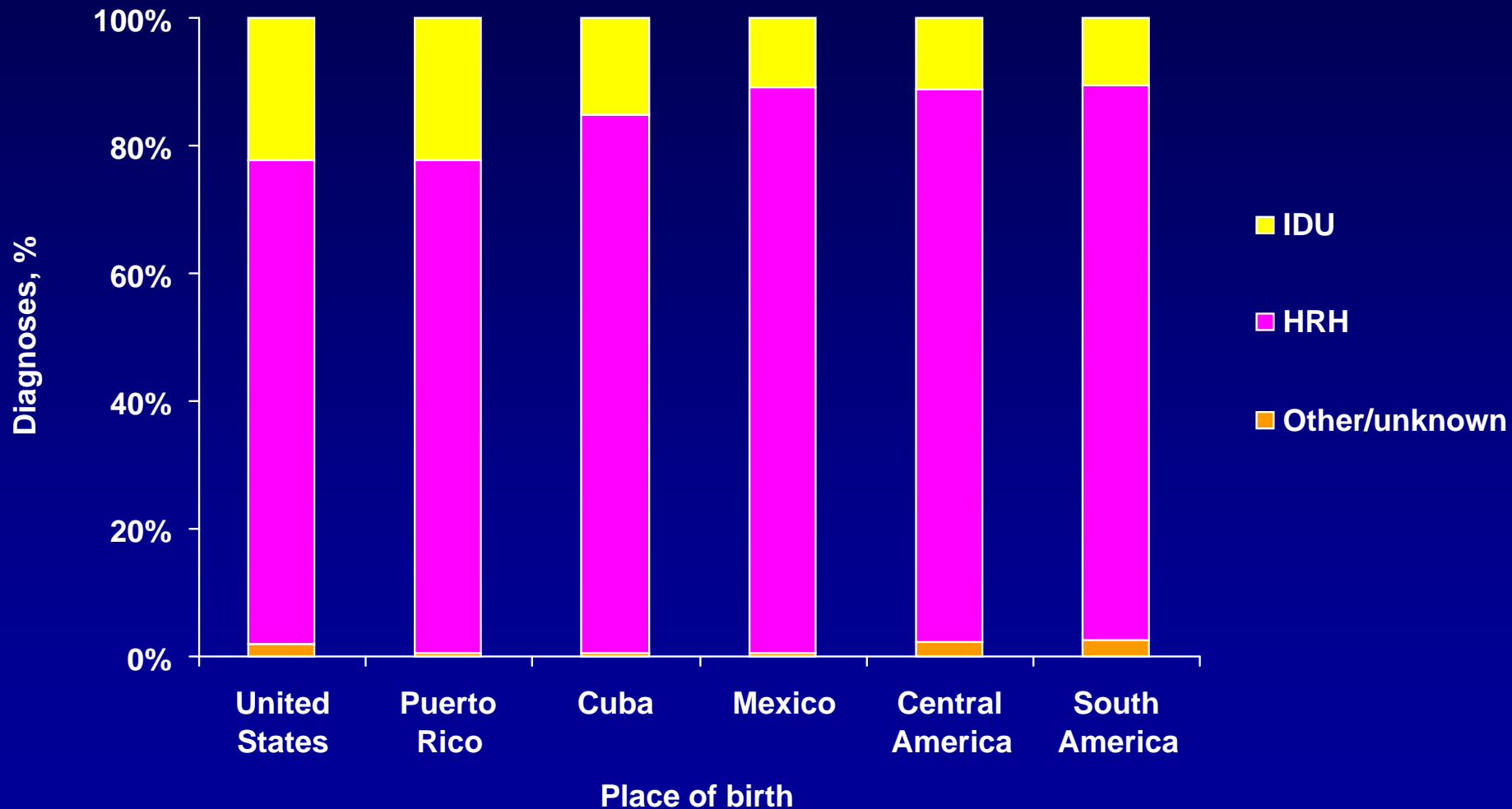
Proportions of HIV/AIDS Diagnoses among Male Hispanics, by Place of Birth and Transmission Category 33 States and Puerto Rico, 2006



Data include persons diagnosed with HIV infection regardless of AIDS status at diagnosis. Data have been adjusted for reporting delays and cases without risk factor information were proportionally redistributed.



Proportions of HIV/AIDS Diagnoses among Female Hispanics, by Place of Birth and Transmission Category 33 States and Puerto Rico, 2006

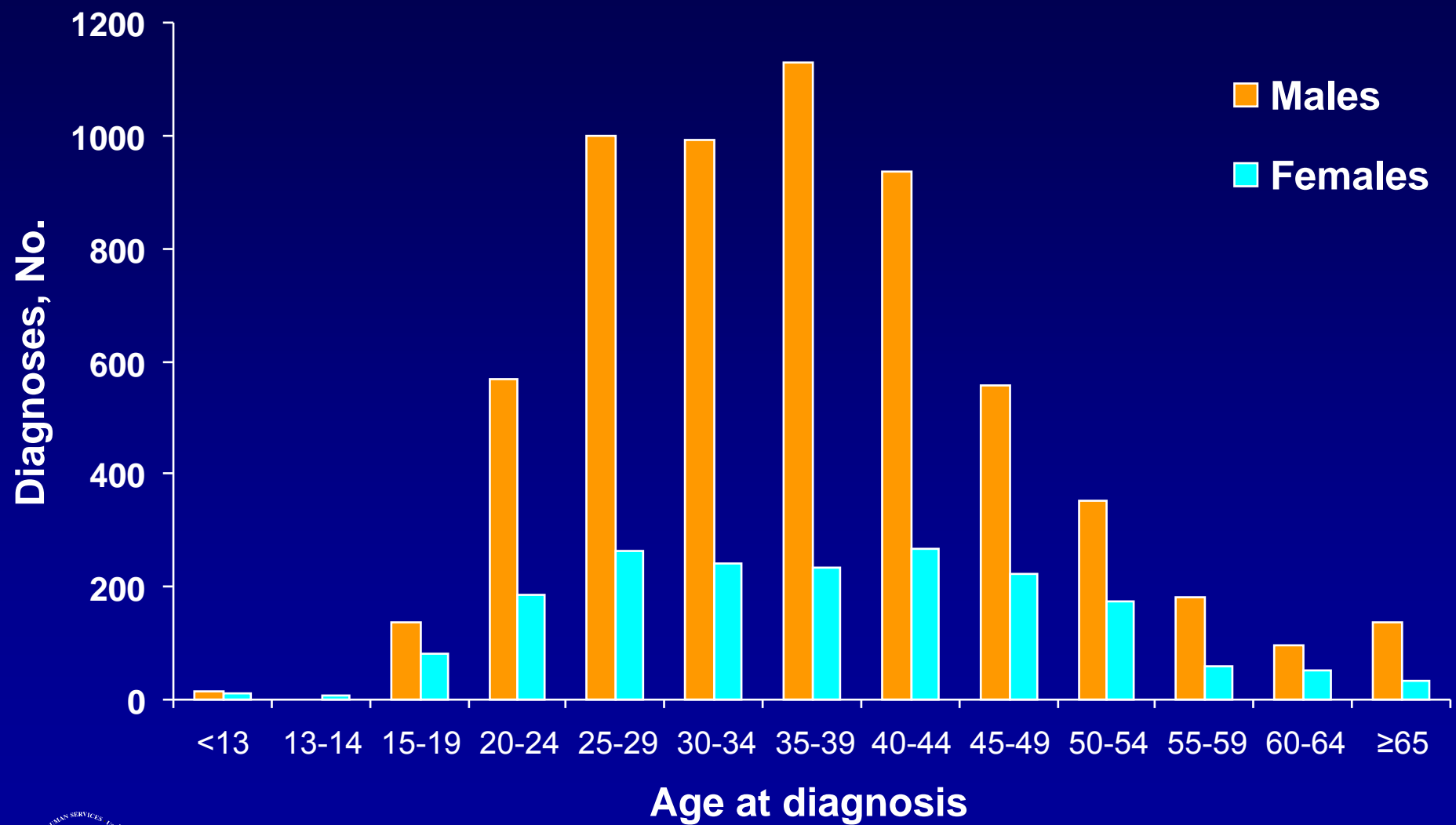


Data include persons diagnosed with HIV infection regardless of AIDS status at diagnosis. Data have been adjusted for reporting delays and cases without risk factor information were proportionally redistributed.





Estimated Numbers of HIV/AIDS Diagnoses among Hispanics by Age and Sex — 33 States and Puerto Rico, 2006

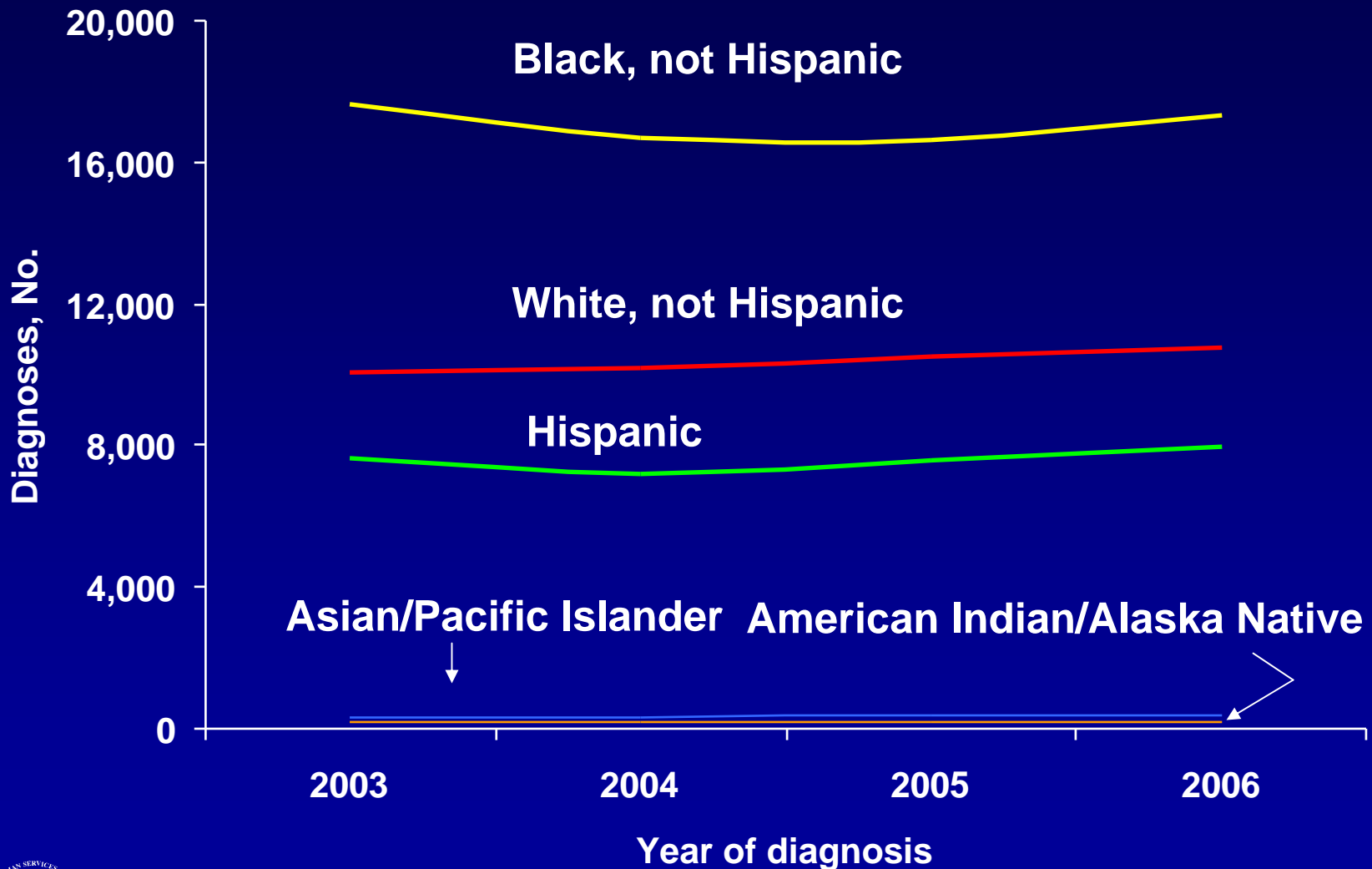


Data include persons diagnosed with HIV infection regardless of AIDS status at diagnosis. Data have been adjusted for reporting delays.





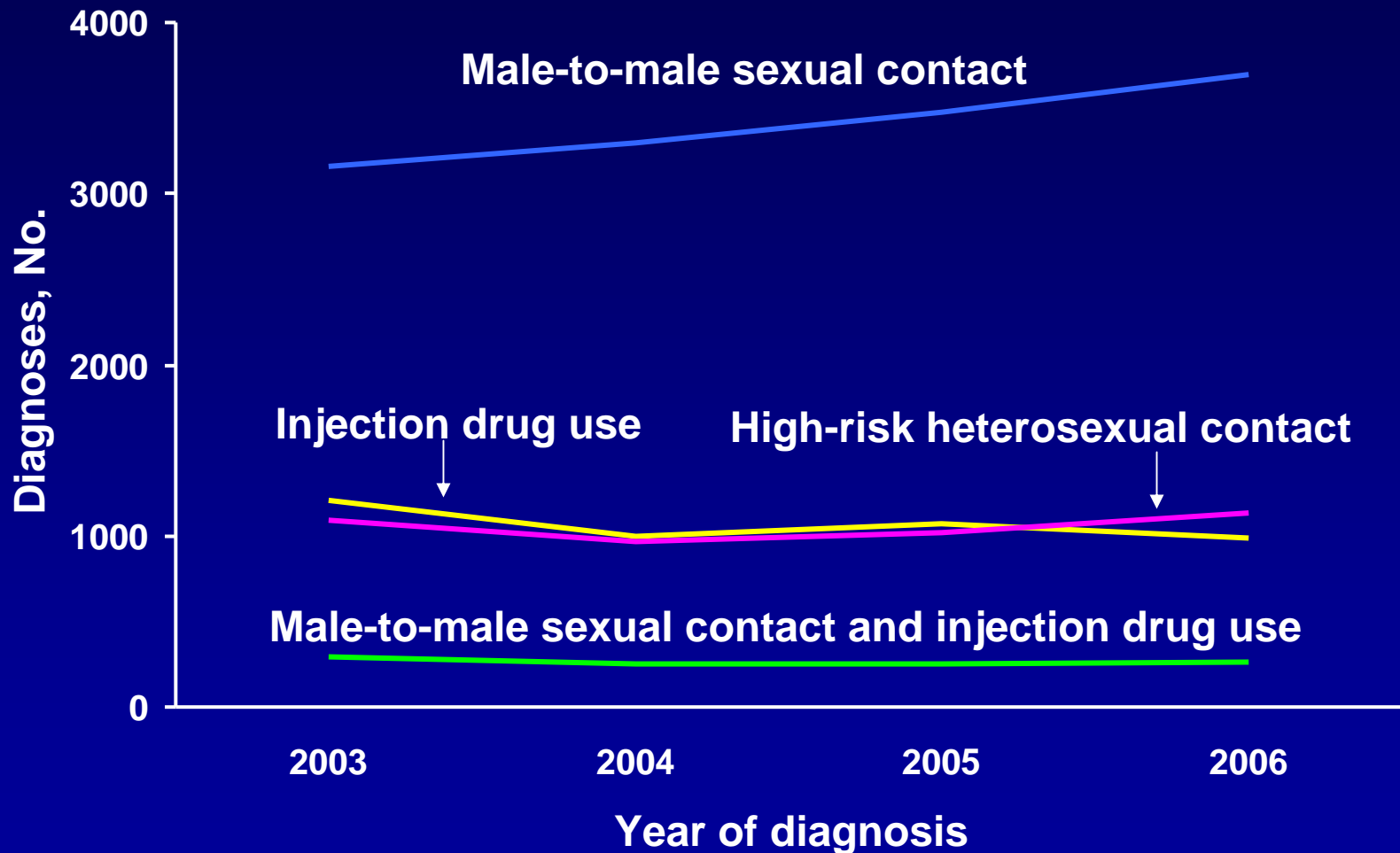
Estimated Numbers of HIV/AIDS Diagnoses, by Race/Ethnicity — 33 States and Puerto Rico, 2003–2006



Data include persons diagnosed with HIV infection regardless of AIDS status at diagnosis. Data have been adjusted for reporting delays.



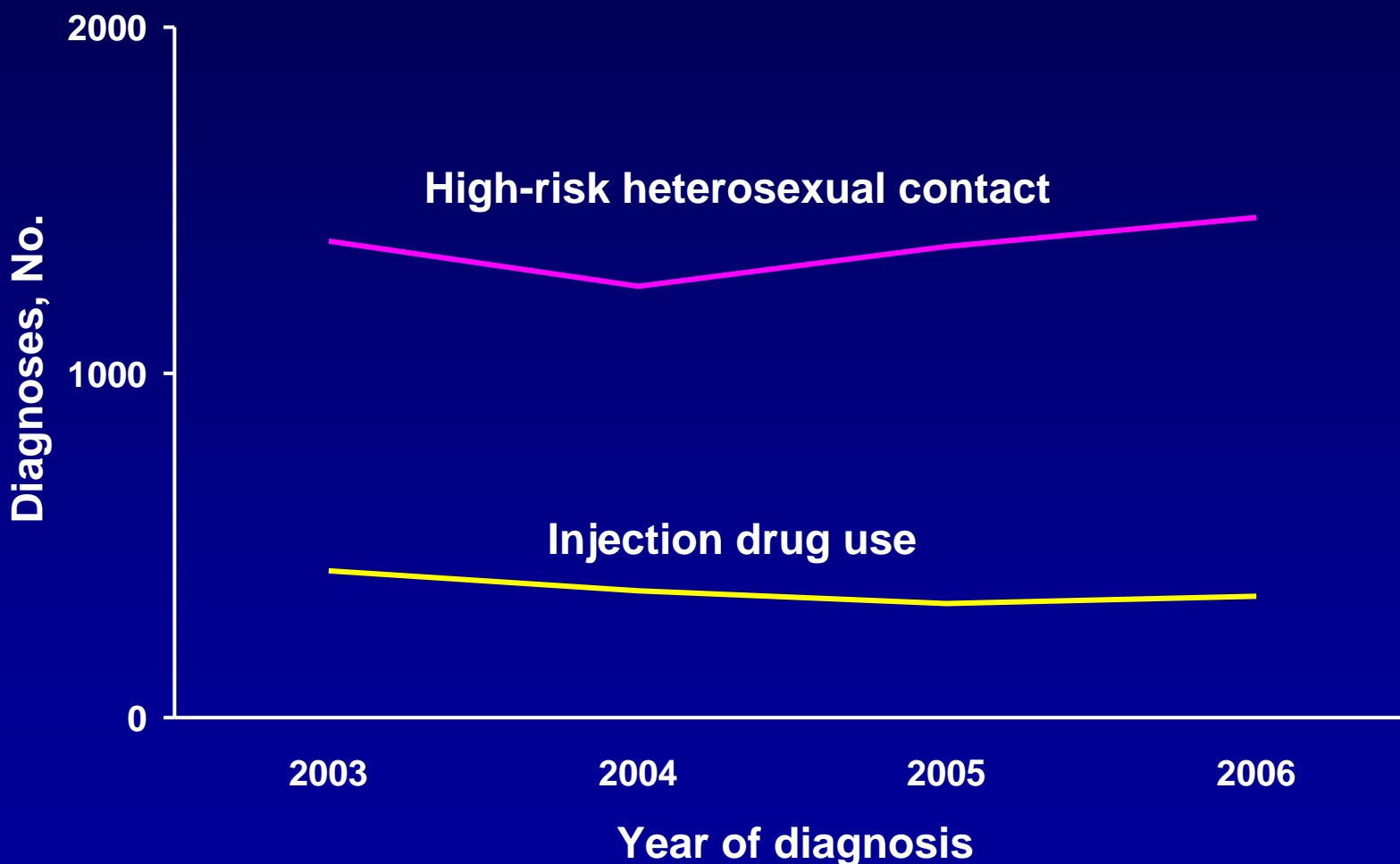
Estimated Numbers of HIV/AIDS Diagnoses among Male Hispanics, by Transmission Category 33 States and Puerto Rico, 2003–2006



Data include persons diagnosed with HIV infection regardless of AIDS status at diagnosis. Data have been adjusted for reporting delays and cases without risk factor information were proportionally redistributed.



Estimated Numbers of HIV/AIDS Diagnoses among Female Hispanics, by Transmission Category 33 States and Puerto Rico, 2003–2006



Data include persons diagnosed with HIV infection regardless of AIDS status at diagnosis. Data have been adjusted for reporting delays and cases without risk factor information were proportionally redistributed.





Limitations

- Limited availability of HIV diagnosis data
 - 33 states and PR represent 65% of AIDS cases and 67% of AIDS cases among Hispanics
 - Data not available from some high morbidity areas, e.g., California
- Data reflect persons diagnosed with HIV or AIDS and reported to a state or local health department
 - May not be representative of new HIV infections
- Statistical adjustments
- Place of birth missing among Hispanics (19%)

Summary

- Among those diagnosed with HIV/AIDS in 2006, 22% were Hispanic
 - 77% male
 - 23% female
- Among Hispanic males diagnosed with HIV/AIDS, 60% were MSM
- Among Hispanic females, 79% were exposed through high-risk HRH
- Among all Hispanics, 66% were 25–44 years of age

Conclusions

- Annual number of HIV/AIDS diagnoses among Hispanics remained stable from 2003 through 2006, however,
 - Increased among MSMs
 - Decreased among IDUs
 - Stable among those exposed through high-risk heterosexual contact
- Potential explanations for these findings include:
 - Changes in testing
 - Changes in surveillance practices
 - Changes in transmission of infections

Acknowledgements

Staff of HIV Incidence and Case Surveillance Branch

- Sherry Hu
- Anna Satcher Johnson



Thank you

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