The HIV/AIDS Epidemic and Black Americans

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Topics

- Impact of the HIV/AIDS epidemic on the Black community
 - Reviewing the data
 - Males
 - Females
- Factors contributing to high infection rates among Black Americans

Summary





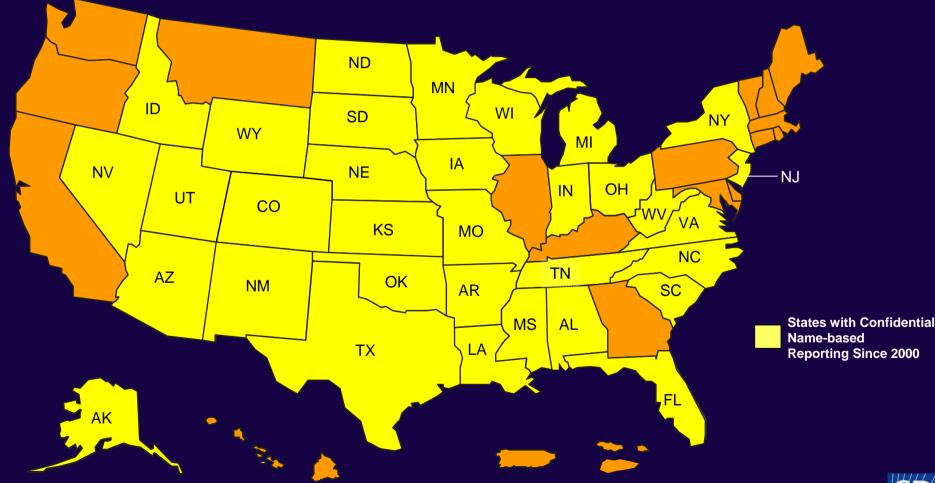
Data Source

- National HIV/AIDS Surveillance System
 - Newly diagnosed HIV cases
 - Reported from 2001 through 2004
 - Adults and adolescents > 13 years
 - 33 states with confidential name-based reporting since at least 2000
 - Adjusted for reporting delays
 - Adjusted for persons reported without risk factor information





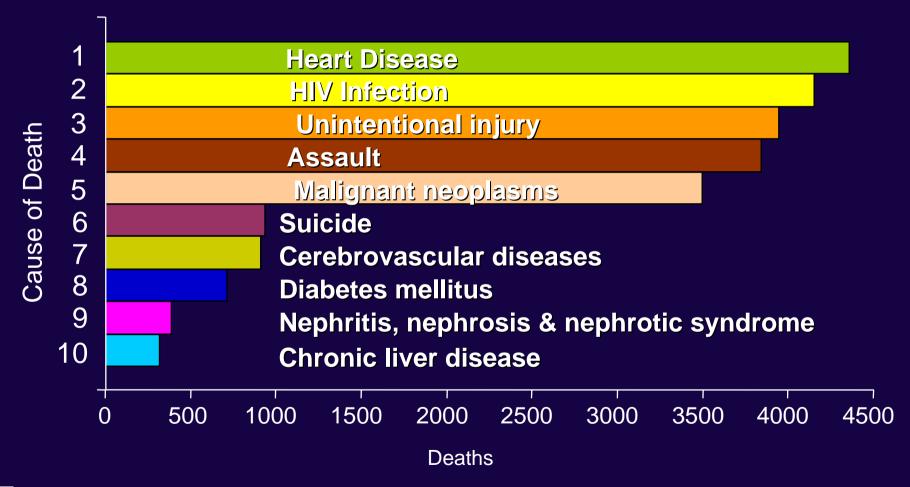
33 Reporting States for Estimated HIV Diagnosis, 2001-2004







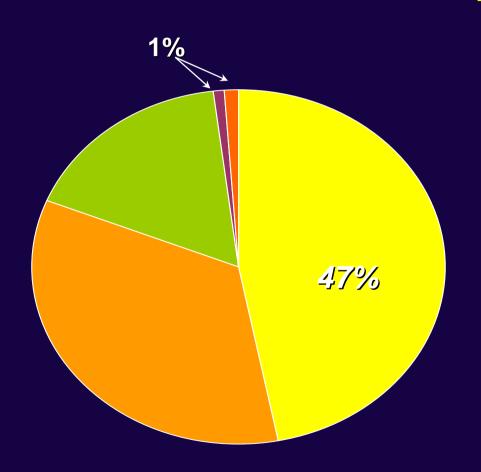
Leading Causes of Death Among Black Americans, 25-44, 2002







People Living With HIV in the U.S., by Race/Ethnicity, 2003



Total:1,039,000 – 1,185,000 people

- Black
- White
- Hispanic
- Asian/PI
- AVAN





HIV and AIDS in Black Americans

- Estimated HIV infected blacks aged 18-49 years
 - **2**% 1999-2002

- More blacks report being tested for HIV
 - 67% compared with 45% of whites
- More blacks test late for HIV*
 - 40% compared with 37% of whites





Analysis

Objective:

 To assess trends in HIV diagnosis among non-Hispanic blacks from 2001 through 2004

Methods:

- Descriptive statistics
 - Estimated number and rates of HIV diagnoses
- Estimated Annual Percent Change (EAPC) and 95% Confidence Intervals
 - Overall
 - Sex
 - Metropolitan Statistical Area (MSA)
 - Transmission category





Estimated Persons Newly Diagnosed with an HIV Infection, 33 States, 2001-2004

- Estimated persons newly diagnosed-2001
 - 41,000 total persons
 - 20,000 Non-Hispanic Blacks
- Estimated persons newly diagnosed-2004
 - 39,000 total persons
 - 19,000 Non-Hispanic Blacks
- Non-Hispanic blacks 13% of population in 33 States
 - Accounted for 51% of new HIV diagnoses



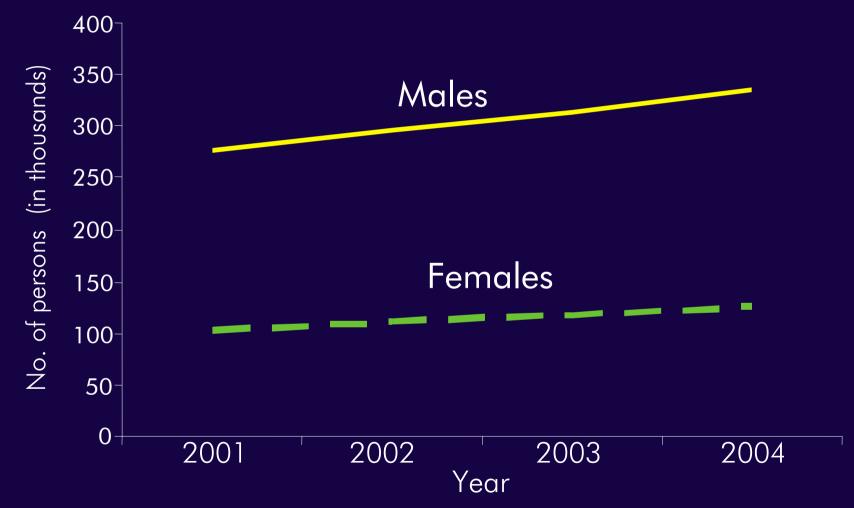


Estimated Rates and Annual Percent Change Overall, by Sex and by Racial/Ethnic Group





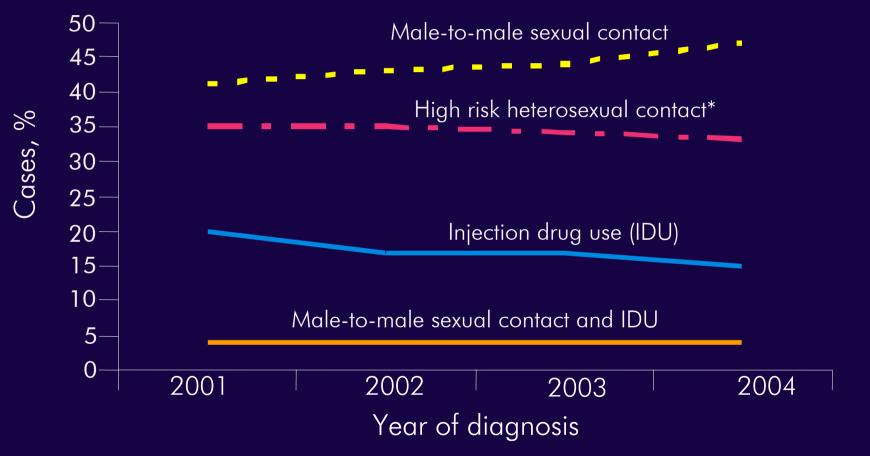
Estimated Number of Adults and Adolescents Living with HIV/AIDS, by Sex, 2001–2004—35 Areas

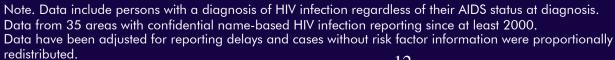






Proportion of HIV/AIDS Cases among Adults and Adolescents, by Transmission Category 2001–2004—35 Areas





^{*} Heterosexual contact with a person known to have or at high risk for HIV infection.





Estimated Number and Proportion of HIV/AIDS Cases among Adults and Adolescents Attributed to High Risk Heterosexual Contact*, by Race/Ethnicity, 2004—35 Areas

Race/Ethnicity	<u>Cases</u>	%
White, not Hispanic	1,862	15
Black, not Hispanic	8,599	68
Hispanic	1,970	16
Asian/Pacific Islander	123	<1
American Indian/ Alaska Native	69	<1
Total**	12,683	

Note. Data include persons with a diagnosis of HIV infection regardless of AIDS status at diagnosis. Data from 35 areas with confidential name-based HIV infection reporting since at least 2000. Data have been adjusted for reporting delays and cases without risk factors information were proportionally redistributed.

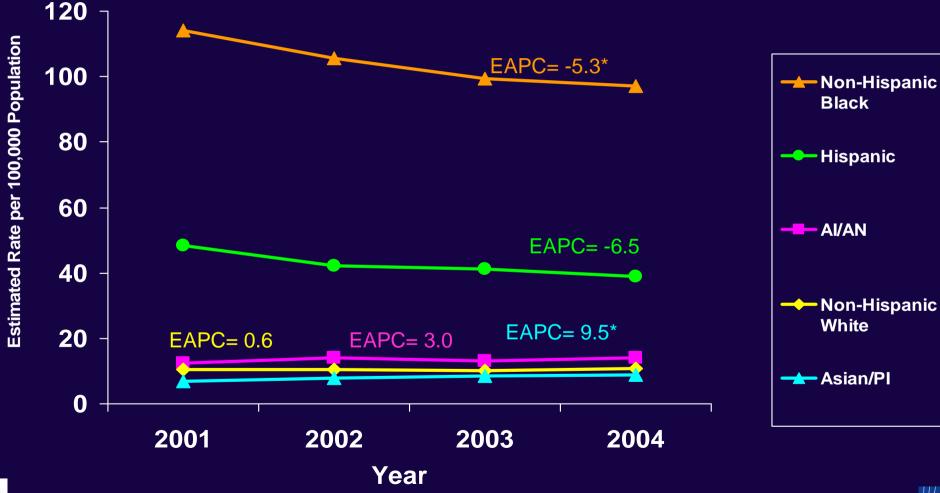




^{*} Heterosexual contact with a person known to have or at high risk for HIV infection.

^{**} Total includes 60 persons of unknown race or multiple races.

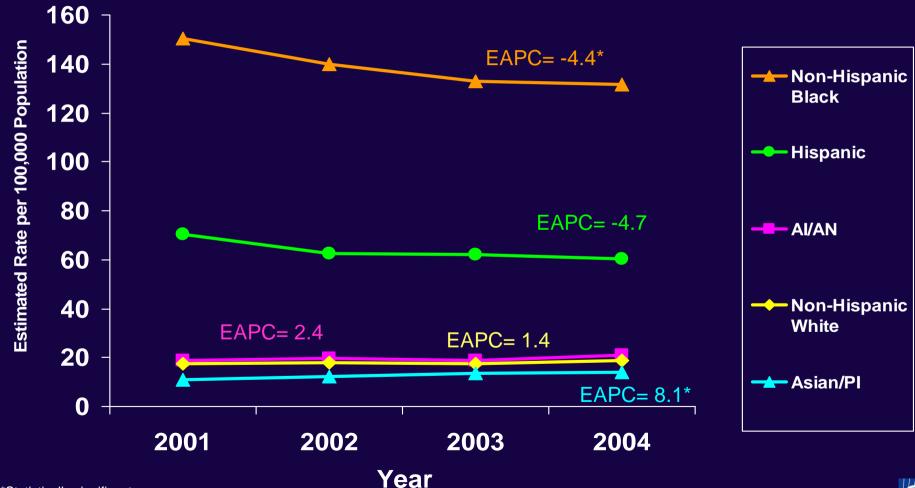
Estimated Rates and Annual Percent Change in HIV Diagnoses among Adults and Adolescents by Race/Ethnicity for 33 States, 2001-2004—Overall







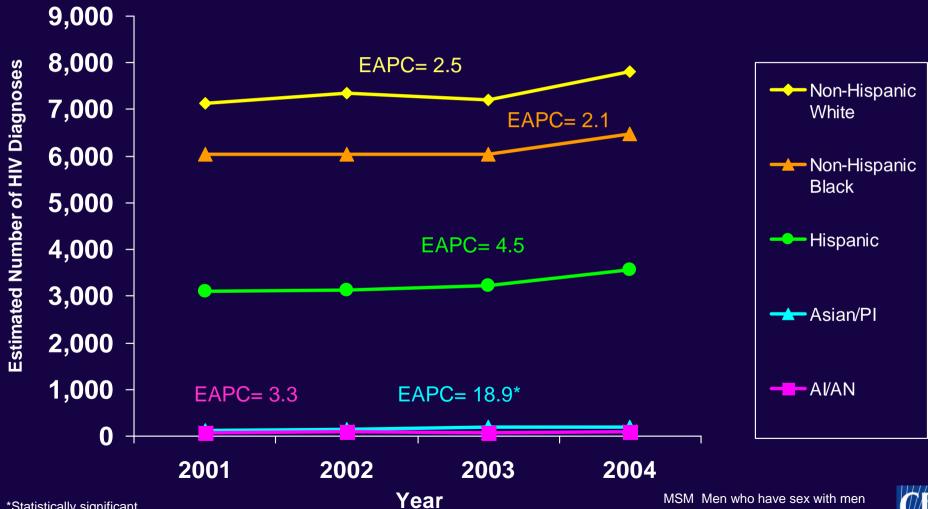
Estimated Rates and Annual Percent Change in HIV Diagnoses among Adults and Adolescents by Race/Ethnicity for 33 States, 2001-2004—Male







Estimated Number and Annual Percent Change in HIV Diagnoses among Adults and Adolescents by Race/Ethnicity for 33 States, 2001-2004-MSM

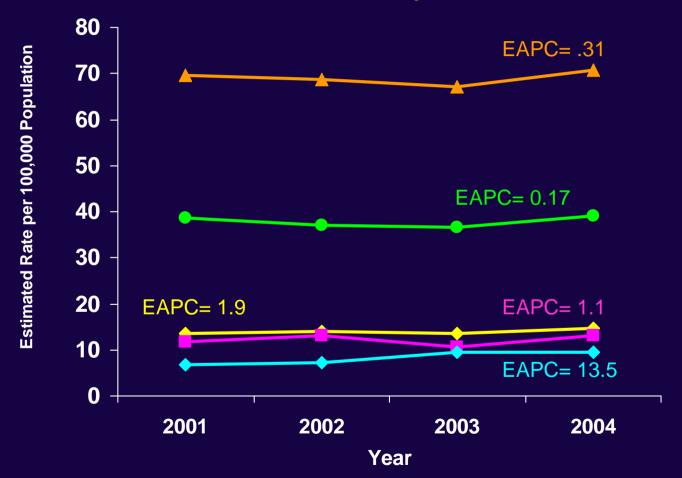


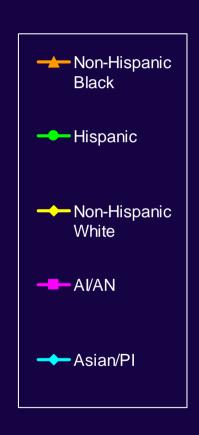
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Estimated Rates and Annual Percent Change in MSM Related HIV Diagnoses among Adult and Adolescent Males by Race/Ethnicity for 33 States, 2001-2004

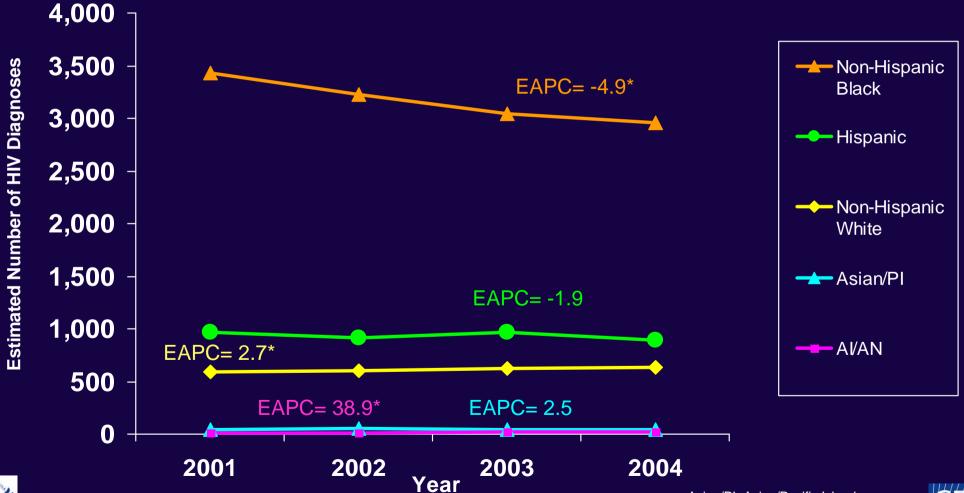








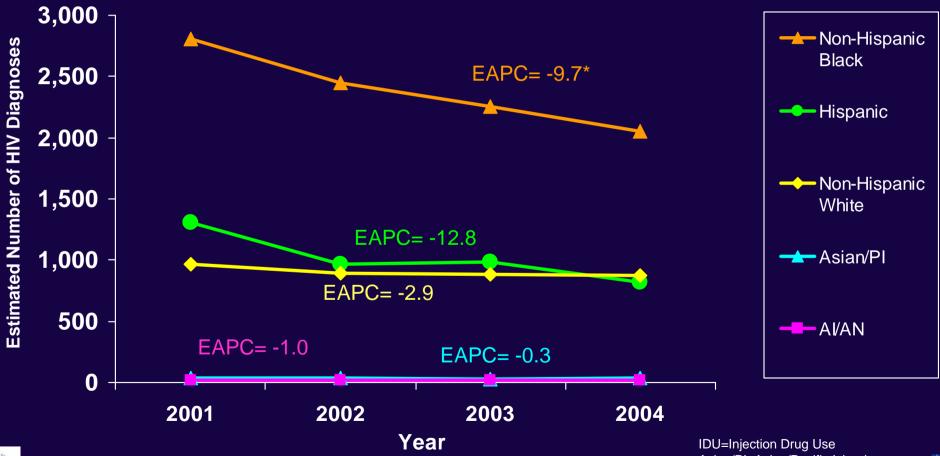
Estimated Number and Annual Percent Change in HIV Diagnoses among Adults and Adolescents by Race/Ethnicity for 33 States, 2001-2004—Male High-Risk Heterosexual Contact

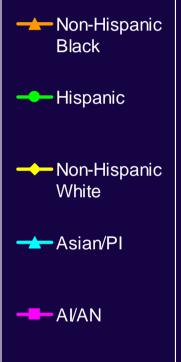






Estimated Number and Annual Percent Change in HIV Diagnoses among Adults and Adolescents by Race/Ethnicity for 33 States, 2001-2004—Male Injection Drug Use







Asian/PI=Asian/Pacific Islander AI/AN American Indian/Alaska Native

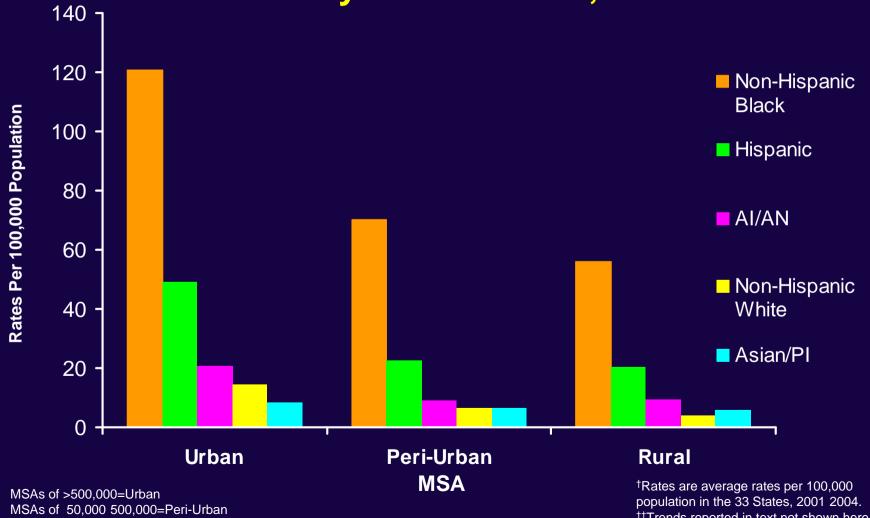
Estimated Rates and Annual Percent Change by Metropolitan Statistical Area (MSA) and Racial/Ethnic Group

- Defining MSAs
 - Greater than 500,000 persons = Urban MSAs
 - 50,000 to 500,000 = Peri-urban MSAs
 - < 50,000 = Rural MSAs</p>





Estimated Average Ratest of HIV Diagnoses by Metropolitan Statistical Area (MSA) and Race/Ethnicity for 33 States, 2001-2004





MSAs of <50,000=Rural

††Trends reported in text not shown here.

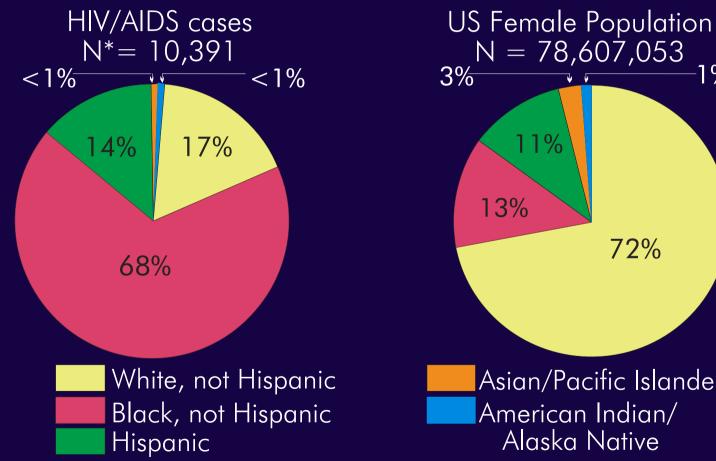
Severe Impact on Black Women:

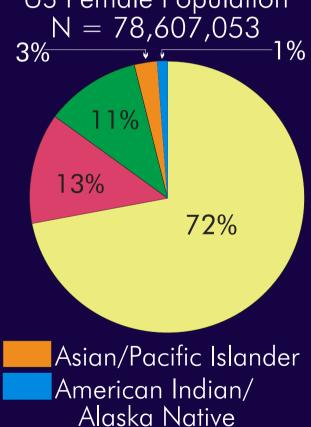
Estimated Numbers and the Annual Percent Change by Race/Ethnicity and Transmission Category, Women





Proportion of HIV/AIDS Cases and Population among Female Adults and Adolescents, by Race/Ethnicity 2004—33 States

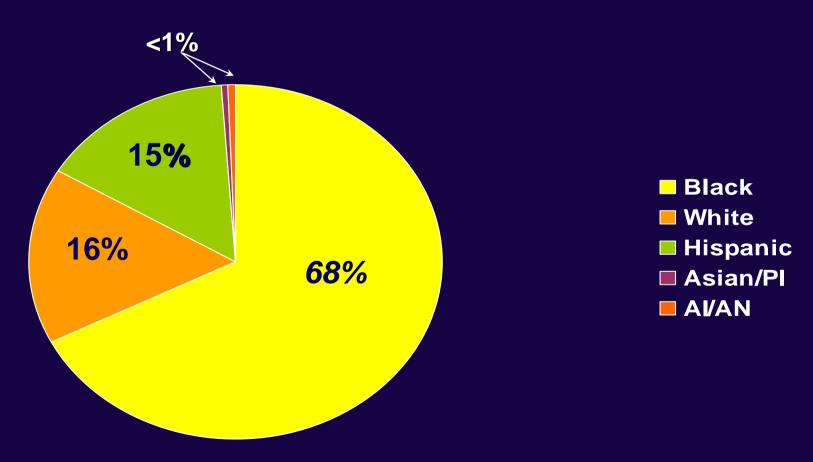








Estimated New HIV/AIDS Diagnoses among Females by Race/Ethnicity — 33 U.S. States, 2001-2004









Estimated Number of HIV/AIDS Cases and Rates for Female Adults and Adolescents, by Race/Ethnicity 2004—33 States

Race/Ethnicity	Cases*	(cases per 100,000 population)
White, not Hispanic	1,782	3.2
Black, not Hispanic	7,009	67.0
Hispanic	1,400	16.3
Asian/Pacific Islander	94	4.1
American Indian/ Alaska Native	57_	7.7
Total**	10,391	13.2

Note. Data include persons with a diagnosis of HIV infection regardless of AIDS status at diagnosis. Data from 33 states with confidential name-based HIV infection reporting since at least 2000. Data have been adjusted for reporting delays.

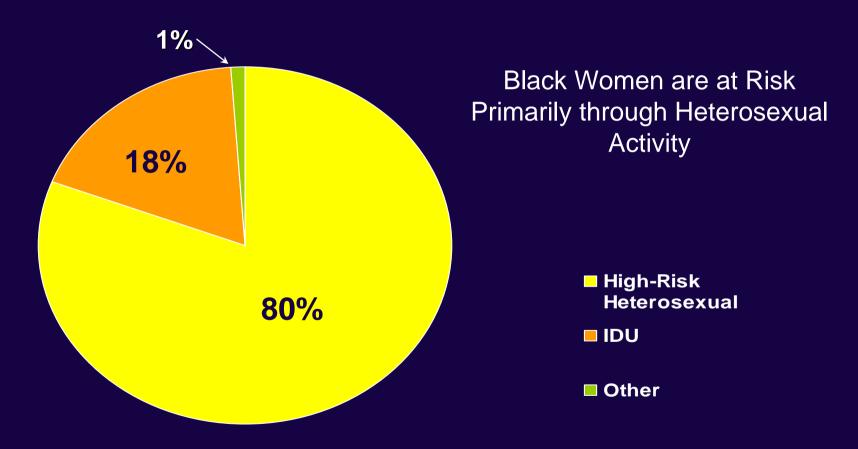




^{*} Data exclude persons from U.S. dependencies, possessions and associated nations because of the lack of census information by race and age categories for these areas.

** Includes 49 female adults and adolescents of unknown race or multiple races.

Estimated New HIV/AIDS Diagnoses among Black Females by Transmission Category – 33 U.S. States, 2001-2004



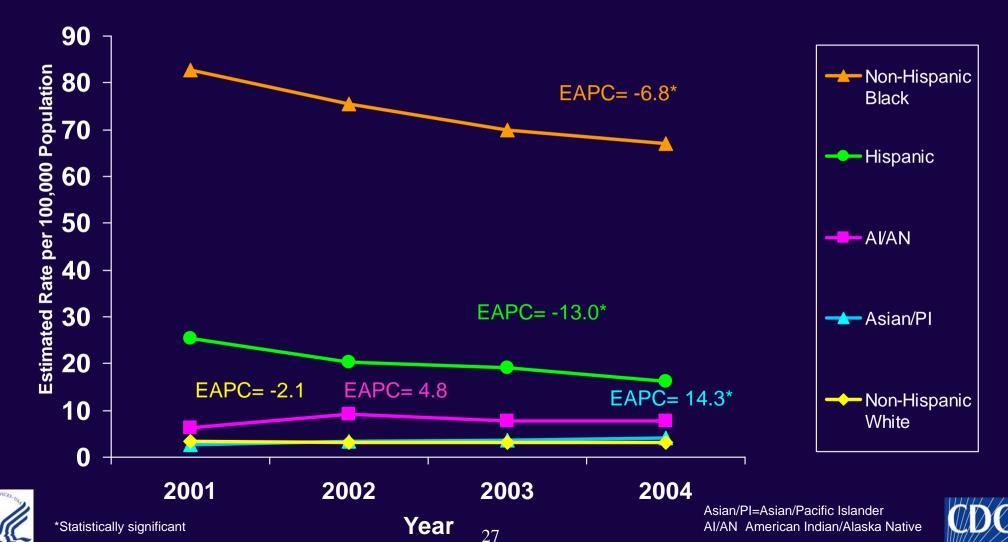


IDU=Injection Drug User

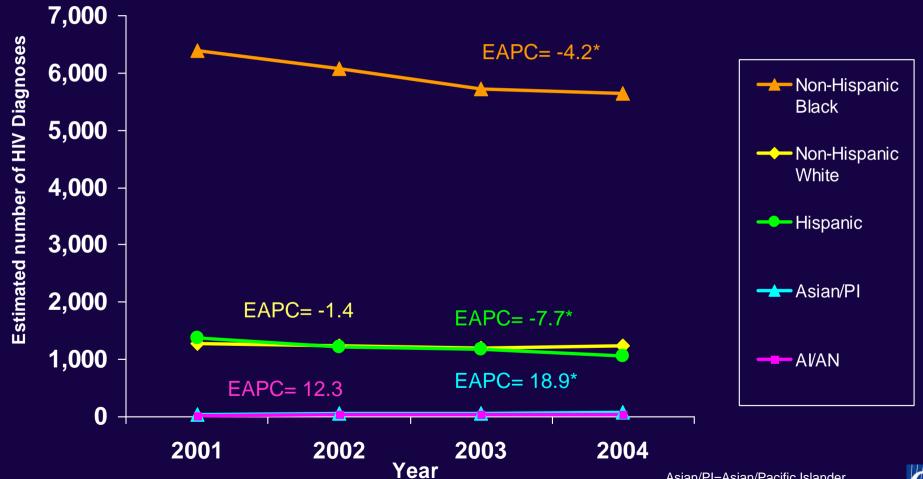




Estimated Rates and Annual Percent Change in HIV Diagnoses among Adults and Adolescents by Race/Ethnicity for 33 States, 2001-2004—Female



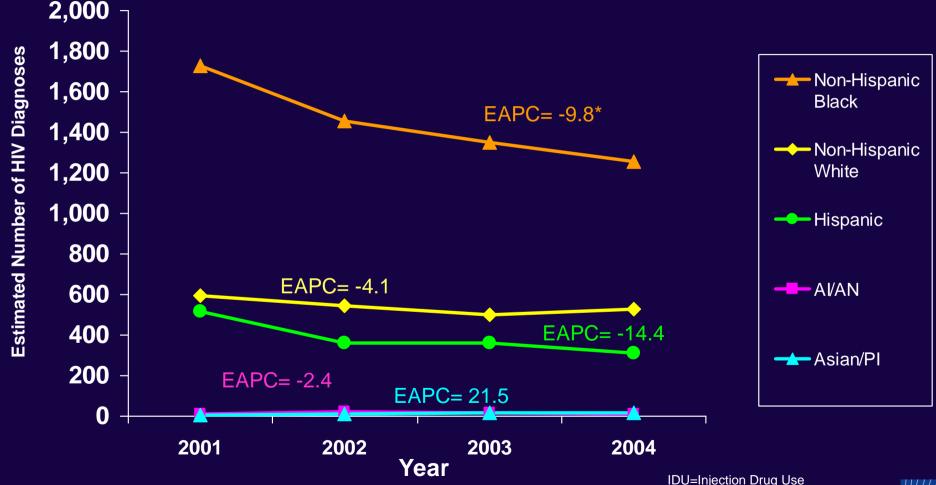
Estimated Number and Annual Percent Change in HIV Diagnoses among Adults and Adolescents by Race/Ethnicity for 33 States, 2001-2004—Female High-Risk Heterosexual Contact







Estimated Number and Annual Percent Change in HIV Diagnoses among Adults and Adolescents by Race/Ethnicity for 33 States, 2001-2004—Female Injection Drug Use







Risk Factors for Black Women

- Low condom use, low knowledge of partner risk, low perceived risk (Yancey et al., 2001)
 - 45% did not use a condom at all in past 2 months
 - 60% did not know male partner's HIV status
 - 70% perceived little or no risk of HIV infection
- Low condom use even when partner is HIV-positive (Buchacz et al., 2001)
- Greater likelihood of STD infection and re-infection (Korte et al., 2004)
- Non-monogamy





Why the Black Community is Disproportionately Affected by HIV/AIDS?





Limited Access to Effective HIV Treatment among Blacks

- Nearly half of eligible HIV-positive adults not receiving HIV treatment
- Blacks less likely than whites to have access to HAART
- Greatest barrier to accessing anti-retroviral therapy – lack of diagnosis





Blacks' Access to Care Especially Limited

- Blacks with HIV more likely than whites to be uninsured (22% vs.17%)
- Blacks, overall, less likely to be privately insured than whites (14% vs. 44%)
- Blacks, overall, more likely to postpone medical care
 - Lack of transportation
 - Other competing needs





Summary

 Despite declines non-Hispanic blacks remain disproportionately affected

Estimated rates of HIV diagnoses declined

Estimated numbers of HIV diagnoses declined





Analysis Limitations

- Limited availability of HIV diagnosis data
 - 33 States represent 63% of AIDS cases
- Missing data for transmission category and reporting delays
 - Statistical adjustments
- Data not representative of all HIV infected persons
 - Non-testers
 - Test anonymously





Public Health Implications

Accelerate pace of implementing effective strategies

Continue monitoring trends

- Conduct confidential name-based reporting
 - States and U.S. Territories
- Enhance existing and develop new strategies
 - Advancing HIV Prevention Initiative (AHP)
 - Decreasing the number of unrecognized infections
 - Strengthening non-traditional community partnerships





Thank You!

Questions/comments:

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