

## New York State Adolescent Sexual Health Initiative

Region II Infertility Prevention Project  
Committee Meeting  
May 13, 2009

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## NYS DOH Adolescent Sexual Health Workgroup

- Cross-program departmental workgroup implemented in November 2006.
- Purpose: To promote a statewide environment conducive to every adolescent (ages 10 – 24) achieving optimal sexual health.
- Three subcommittees: Access, Prevention/Education, and Surveillance

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## Adolescent Sexual Health Workgroup Surveillance Subcommittee

Marilyn Kacica, MD, Office of the Medical Director  
Glen Johnson, Office of the Medical Director  
Punkin Clay Stephens, AIDS Institute  
Kristine Mesler, Bur. of Child & Adolescent Health  
Alison Muse, Bureau of STD Control

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## Presentation Overview

- Trends in Pregnancy, STD and HIV/AIDS among Adolescents
- Patterns of Community-level Pregnancy and STD Rates among Adolescents
- Adolescent Focus Groups on Sexual Health

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## Trends in Pregnancy, STD, and HIV/AIDS among Adolescents

Alison Muse, NYSDOH Bureau of STD Control  
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## Technical Notes

- Data sources: NYSDOH Bureau of STD Control, Bureau of HIV/AIDS Epidemiology, Bureau of Biometrics and Health Statistics.
  - HIV/AIDS data and STD data are complete through 2007; teen birth data through 2006.
- Population data is from the US Census Bureau.
- Note the scale on each vertical axis when comparing one graph to another.

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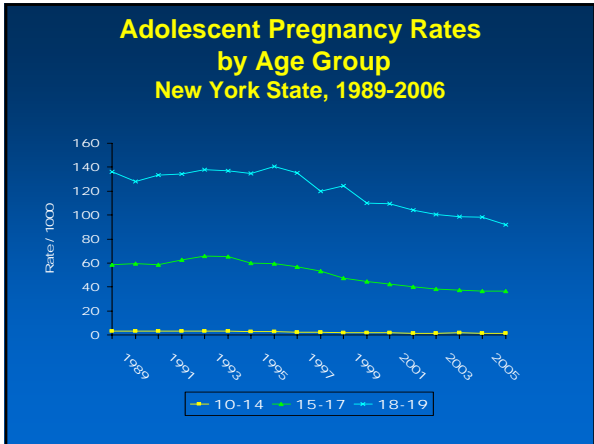
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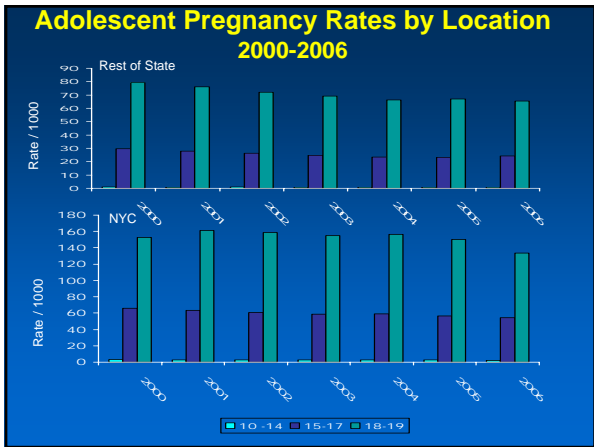
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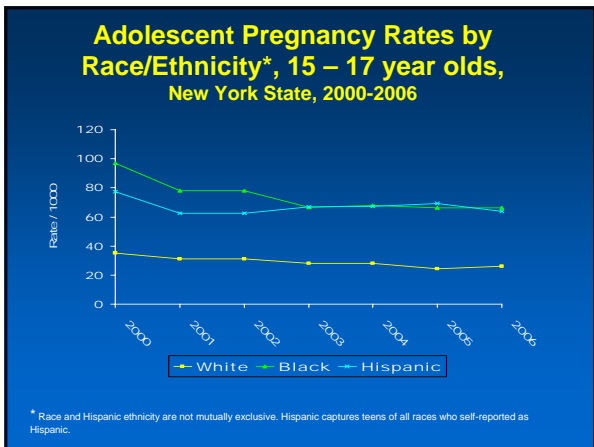
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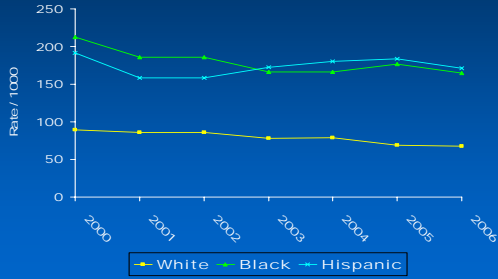
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### Adolescent Pregnancy Rates by Race/Ethnicity\*, 18 - 19 year olds New York State, 2000-2006



\* Race and Hispanic ethnicity are not mutually exclusive. Hispanic captures teens of all races who self-reported as Hispanic.

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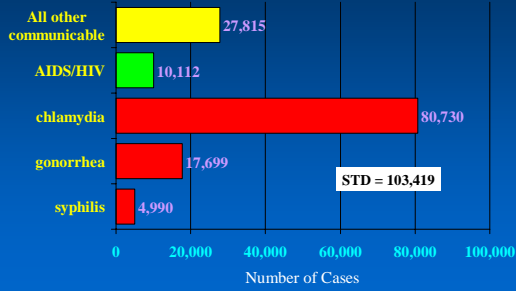
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### 2007 Communicable Diseases Reported in New York State



STDs account for nearly 3/4 (73%) of all reportable communicable disease (N=141,243)

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### Burden of Reportable STDs among Youth NYS, 2007

	NYS Cases	15-19 Year Olds (% of NYS)	20-24 Year Olds (% of NYS)
Chlamydia	80,730	25,915 (32%)	27,650 (34%)
Gonorrhea	17,699	4,389 (25%)	5,203 (29%)
Syphilis	4,990	158 (3%)	421 (8%)

15-24 year olds account for 62% of reported STDs in NYS but only 14% of total population.

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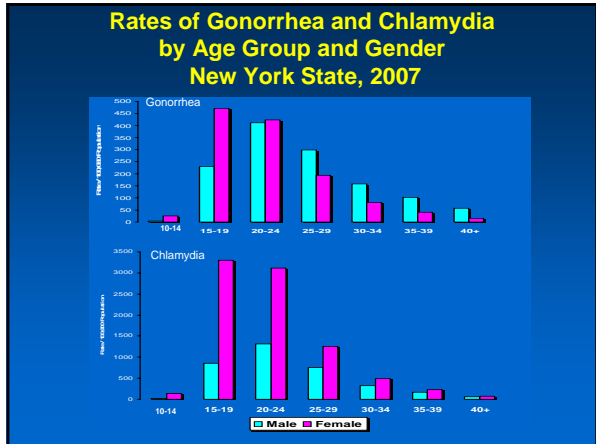
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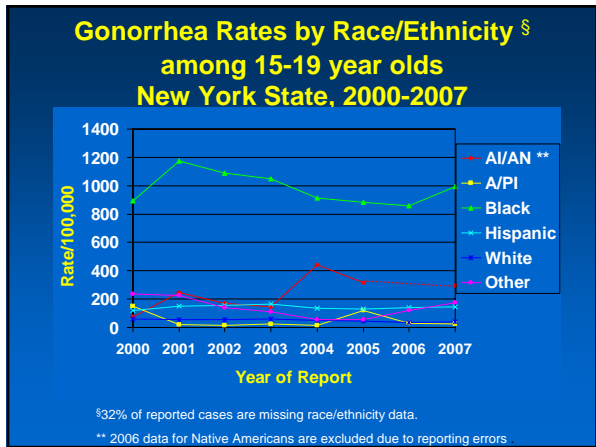
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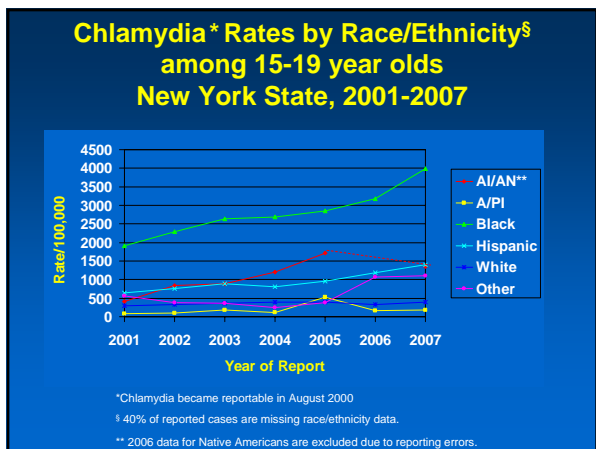
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## Where Does the "1 in 4 Adolescents Will Have an STD" Statistic Come From?

- National studies on adolescents that include biomarkers for specific STDs (including viral STDs which are not routinely reported to the health department);
- These community studies collect lab specimens to establish actual prevalence.

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### Prevalence of STIs among 14–19 year-old U.S. females (n=838), NHANES 2003–2004

	n	Prevalence* % (95% CI)
HR/6/11 HPV	652	<b>18.3</b> (13.5–24.8)
chlamydia	793	<b>3.9</b> (2.2–6.9)
trichomonas	695	<b>2.5</b> (1.3–5.1) <sup>†</sup>
HSV-2	729	<b>1.9</b> (1.0–3.5)
<b>"Any STI"</b>	612	<b>25.7</b> (20.1–32.9)

\*Weighted prevalence  
†Relative Standard Error (RSE) > 30%

**Prevalence = # who tested positive at time of study / all participants**

<http://cdc.confex.com/cdc/std2008/webprogram/Paper14888.html>

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**1 in 2 of us will get an STD by age 25.  
Don't play the odds.**

New York State Health Department    Protect yourself. Get tested for STDs. [www.hivtest.org](http://www.hivtest.org)

Weinstock H et al. *Perspectives on Sexual and Reproductive Health*, 2004, 36(1):6-10.

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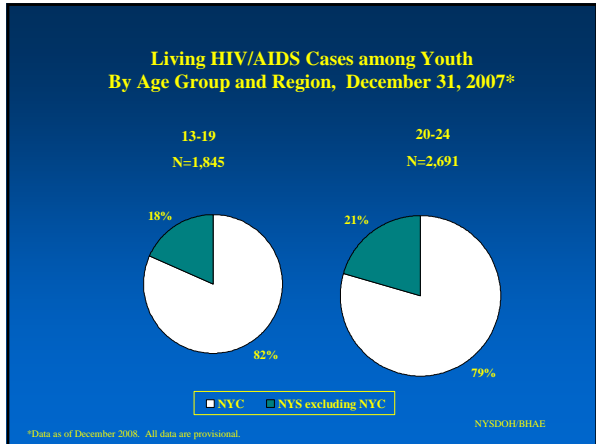
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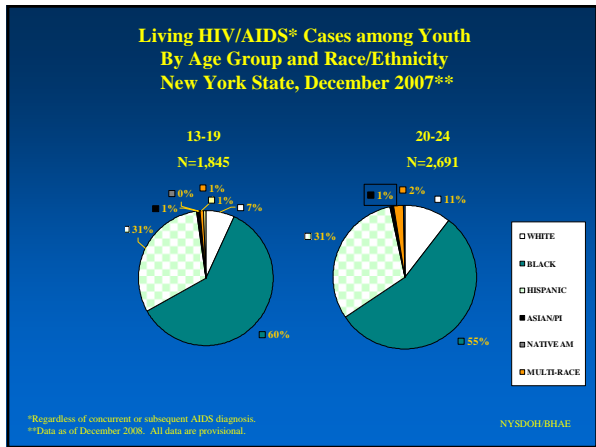
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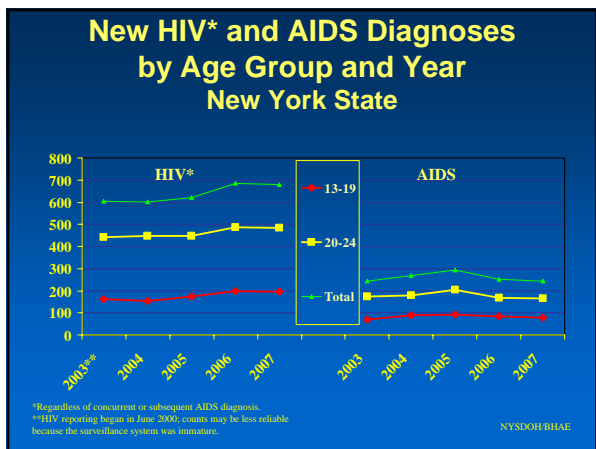
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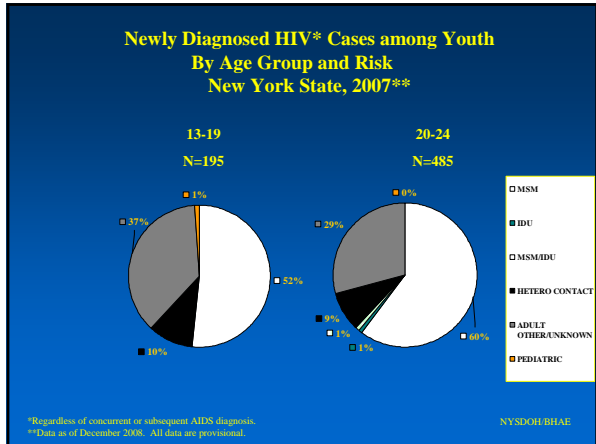
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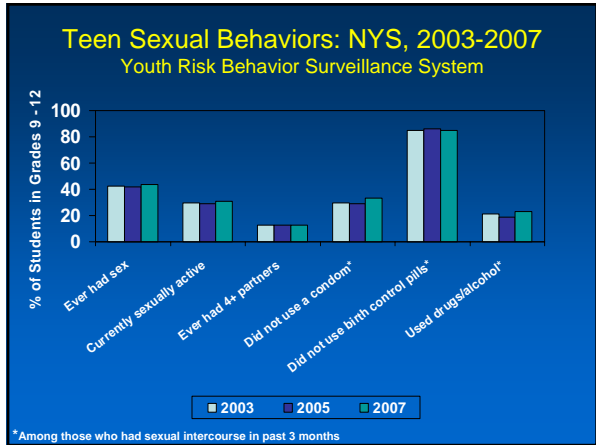
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### Summary

- Teen pregnancy rates have declined 38% since 1993;
  - Attributed to consistent contraceptive use, delays in initiation of sexual activity.
- > 60% of newly-reported STD's each year occur among 15-24-year olds.
  - Majority of infections are asymptomatic
  - Untreated infections lead to serious, chronic complications.
- MSM account for 50% -60% of newly-diagnosed HIV infections among the 13-24 age group.
- Persistent disparities among racial/ethnic minorities.

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