New York State Adolescent Sexual Health Initiative

Region II Infertility Prevention Project
Committee Meeting
May 13, 2009

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

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
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

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

Alison Muse, NYSDOH Bureau of STD Control
Region II Infertility Prevention Project
Committee Meeting
May 15, 2009

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.
Adolescent Pregnancy Rates by Age Group
New York State, 1989-2006

Adolescent Pregnancy Rates by Location
2000-2006

Adolescent Pregnancy Rates by Race/Ethnicity*, 15 – 17 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.
Adolescent Pregnancy Rates by Race/Ethnicity*, 18 - 19 year olds
New York State, 2000-2006

2007 Communicable Diseases Reported in New York State

Burden of Reportable STDs among Youth
NYS, 2007

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

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

15-24 year olds account for 62% of reported STDs in NYS but only 14% of total population.
Rates of Gonorrhea and Chlamydia by Age Group and Gender
New York State, 2007

Gonorrhea Rates by Race/Ethnicity § among 15-19 year olds
New York State, 2000-2007

Chlamydia* Rates by Race/Ethnicity§ among 15-19 year olds
New York State, 2001-2007

§32% of reported cases are missing race/ethnicity data.
** 2006 data for Native Americans are excluded due to reporting errors.

*Chlamydia became reportable in August 2000
140% of reported cases are missing race/ethnicity data.
** 2006 data for Native Americans are excluded due to reporting errors.
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.

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

<table>
<thead>
<tr>
<th>STI</th>
<th>n</th>
<th>Prevalence* % (95% CI)</th>
</tr>
</thead>
<tbody>
<tr>
<td>HR/6/11 HPV</td>
<td>652</td>
<td>18.3 (13.5–24.8)</td>
</tr>
<tr>
<td>chlamydia</td>
<td>793</td>
<td>3.9 (2.2–5.9)</td>
</tr>
<tr>
<td>trichomonas</td>
<td>695</td>
<td>2.5 (1.3–5.1)*</td>
</tr>
<tr>
<td>HSV-2</td>
<td>729</td>
<td>1.9 (1.0–3.6)</td>
</tr>
<tr>
<td>&quot;Any STI&quot;</td>
<td>612</td>
<td>25.7 (20.1–32.9)</td>
</tr>
</tbody>
</table>

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


Trends in HIV and AIDS Cases 1984 – 2007*  
New York State

* Reported and confirmed through December 2008. All data are provisional.
** Data for 2006 and 2007 are incomplete due to lag in reporting and confirmation.
^ HIV named reporting began in NYS in 2000.

New York State Perinatal HIV Transmission  
Number and Rate of HIV Infected Infants by Year of Delivery, 1997 - 2006

* 2006 data is preliminary  
1997 data is February - December  
n=number of infected infants identified

Living HIV/AIDS Cases by Current Age and Sex  
New York State, December 2007*
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.