Trends in Teen Pregnancy: What the Data Say

Presentation to Office of Adolescent Health Teenage Pregnancy Prevention Tier 1 Grantee Conference
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Outline

• Overall Trends
• Data on Approaches
  – Expand/strengthen sex education
  – Reduce/delay sexual activity
  – Increase contraceptive use
  – Provide early childhood programs
  – Provide youth development programs
  – Strengthen families
  – Reduce poverty
  – Improve education
• Historical Comparisons
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Probability of First Birth by Age

![Graph showing the probability of first birth by age. The x-axis represents age from 15 to 20, and the y-axis represents probability from 0 to 0.2.]
Teen Birth Rate by Age

Rate per 1,000 females

- **15-17**
- **18-19**

- 167 (1950)
- 44 (1960)
- 20 (2010)
- 66 (2020)
Teen Birth Rate by Race/Ethnicity

Rate per 1,000 females

White, non-Hispanic

- 1985: 43
- 2005: 26
Teen Birth Rate by Race/Ethnicity

Rate per 1,000 females

- White, non-Hispanic
- Black, non-Hispanic

<table>
<thead>
<tr>
<th>Year</th>
<th>White, non-Hispanic</th>
<th>Black, non-Hispanic</th>
</tr>
</thead>
<tbody>
<tr>
<td>1985</td>
<td></td>
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<td>1990</td>
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<td>1995</td>
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<td>2005</td>
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<tr>
<td>2010</td>
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</tr>
</tbody>
</table>

[Graph showing the trend of teen birth rates by race/ethnicity from 1985 to 2010]
Teen Birth Rate by Race/Ethnicity

Rate per 1,000 females


White, non-Hispanic
Black, non-Hispanic
Hispanic
Teen Birth Rate by Race/Ethnicity

Rate per 1,000 females

- White, non-Hispanic
- Black, non-Hispanic
- Hispanic
- American Indian

Teen Birth Rate by Race/Ethnicity

Rate per 1,000 females


White, non-Hispanic
Black, non-Hispanic
Hispanic
Asian/Pacific Islander
American Indian
Teen Birth Rate by State
2008

- = Teen Birth Rate ≥ 50
- = Teen Birth Rate 40-49
- = Teen Birth Rate 30-39
- = Teen Birth Rate < 30
Pregnancy, Birth, and Abortion Rates

Teen Pregnancy Rate

- 1986: 107
- 2008: 72
Pregnancy, Birth, and Abortion Rates

Teen Pregnancy Rate

Teen Abortion Rate
Pregnancy, Birth, and Abortion Rates

Teen Pregnancy Rate
Teen Birth Rate
Teen Abortion Rate


Teen Pregnancy Rate:
- 107 in 1986
- 50 in 1990
- 72 in 2004
- 39 in 2008

Teen Birth Rate:
- 42 in 1986
- 50 in 1990
- 72 in 2004
- 39 in 2008

Teen Abortion Rate:
- 19 in 2008
Pregnancy and Birth

Percent of Pregnancies that Result in a Live Birth

65

59
Intended and Unintended Teen Pregnancies

Distribution of teen pregnancies by intendedness, 2001

- Intended pregnancies: 18%
- Unintended pregnancies resulting in a live birth: 42%
- Unintended pregnancies resulting in an abortion: 40%
Repeat births

Percent of Births to Women under 20 that were Repeat Births


25
20
15
10
5
0
International Comparisons

Teen Birth Rate, United States, 2007, and selected countries, most recent year available
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• Historical Comparisons
Approaches

The Ecological Model

- Family Planning Services
- Family Background
- Teen Pregnancy, Childbearing
- Partners/Relationships
- Social Policies
- Individuals
- Peers
- School Sex Education
- Neighborhood/Communities
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Formal Sex Education Received

Percent of Teens Who Have Received Formal Sex Education,
NSFG 06-08

- Formal sex education: 97%
- Formal sex education before first sex: 90%
Sex Education by Gender

Type of Formal Sex Education, By Gender, NSFG 06-08

- How to say no to sex*: 81% Male, 87% Female
- Methods of birth control*: 62% Male, 70% Female
- STDs: 92% Male, 93% Female
- HIV/AIDS: 89% Male, 88% Female

*Proportions are significantly different
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Trends in Sex

% Students in Grades 9-12 Who Have Ever Had Sexual Intercourse

% Students in Grades 9-12 Who Have Had Sexual Intercourse Within the Last 3 Months
Trends in Sex by Grade

2009

% Students in Grades 9-12 Who Have Had Sexual Intercourse in the Past 3 Months
% Students in Grades 9-12 Who Have Ever Had Sexual Intercourse

9th Grade 10th Grade 11th Grade 12th Grade

21 32 41 53 49 62
Risky Sexual Behaviors

Percent of high school students engaging in high-risk sexual behaviors, 2009

- Had first sex before age 13: Males 8%, Females 3%
- Had sex with 4 or more persons during their life: Males 16%, Females 11%
- Drank alcohol or used drugs before last sex*: Males 26%, Females 17%

*Among students who had sex in the past 3 months
Relationship with Partner at First Sex for Teens 15-19, 2006-08

- Just met or just friends: 14 female, 25 male
- Going out once in a while: 8 female, 15 male
- Just met, just friends, going out once in a while: 22 female, 40 male
- Going steady: 72 female, 56 male
- Cohabiting, engaged, or married: 3 female, 2 male
Relationship Context

Teens Who Were in a Casual Relationship* at First Sex

*Self report that they had just met, were just friends, or were going out once in a while with partner
Relationship Context

Partner Age Difference at First Sex among Teens 15-19, 2002

- Females
- Males

<table>
<thead>
<tr>
<th>Age Difference</th>
<th>Females</th>
<th>Males</th>
</tr>
</thead>
<tbody>
<tr>
<td>Younger</td>
<td>4</td>
<td>16</td>
</tr>
<tr>
<td>Same age</td>
<td>15</td>
<td>37</td>
</tr>
<tr>
<td>1-2 years older</td>
<td>44</td>
<td>38</td>
</tr>
<tr>
<td>3-4 years older</td>
<td>24</td>
<td>5</td>
</tr>
<tr>
<td>5+ years older</td>
<td>13</td>
<td>3</td>
</tr>
</tbody>
</table>
The Effect of Peer Group Composition on Pregnancy Risk*

Proportion of Low-Risk Adolescents in Peer Group, 1994-1995

*Probability of experiencing a pregnancy during the 18 months following the in-school survey.
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Trends in Use of Contraception

Percent of Sexually Active Students in Grades 9-12 Who Reported Using Birth Control Pills or Depo-Provera Before Last Intercourse


- Male
- Female
Trends in Use of Contraception

Percent of Sexually Active Students in Grades 9-12 Who Reported Using Condoms at Last Intercourse

- Male
- Female

Year: 1991 1993 1995 1997 1999 2001 2003 2005 2007 2009

Condom Use:
- Male: 38, 55, 60, 64, 66, 67, 69
- Female: 54, 52, 50, 49, 48, 47, 46
Trends in Use of Contraception

Percent of Never Married Sexually Active Teens 15-19 Who Reported Not Using Any Contraceptive Method at Last Intercourse
Trends in Use of Contraception

Percent of Never Married Sexually Active Teens 15-19 Who Reported Using Any Contraceptive Method at Last Intercourse
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Early Childhood Programs and Poverty

Percent of Children 3-5 Enrolled in Early Childhood Programs

- Below Poverty Line
- At or Above Poverty Line

Data points:
- 1990: 44
- 1995: 56
- 2000: 60
- 2005: 51
- 2010: 60
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Youth Development Programs and Poverty

Activity Participation in Past 6 Months for Youth 12-17

- Sports: At or Above 200% of Poverty Line (23), Below 200% of Poverty Line (22)
- Clubs: At or Above 200% of Poverty Line (18), Below 200% of Poverty Line (20)
- Both Sports & Clubs: At or Above 200% of Poverty Line (44), Below 200% of Poverty Line (22)
- Other: At or Above 200% of Poverty Line (5), Below 200% of Poverty Line (7)
- No Activities: At or Above 200% of Poverty Line (10), Below 200% of Poverty Line (30)

Legend:
- Blue: At or Above 200% of Poverty Line
- Red: Below 200% of Poverty Line
Youth Development Programs

Percent of Youth 12-17 in Youth Development Programs in 2005

- No Program: 12%
- Low Quality Program: 11%
- Medium Quality Program: 45%
- High Quality Program: 32%
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Family Structure

- Two married parents
- Mother only
- Father only
- No parent

Chart showing trends from 1970 to 2010:
- Two married parents: 77 in 1970, 67 in 2010
- Mother only: 18 in 1970, 23 in 2010
- Father only: 4 in 1970, 4 in 2010
- No parent: 2 in 1970, 4 in 2010
Family Structure and Sex

Percent of Never-Married Females 15-19 Who Have Ever Had Sexual Intercourse, by Family Structure at Age 14

- Both biological or adoptive parents
- Other family structure (single parent, stepparent, no parents)
Family Structure and Sex

Percent of Never-Married Males 15-19 Who Have Ever Had Sexual Intercourse, by Family Structure at Age 14
Teen Motherhood and Sex

Percent of Never-Married Females 15-19 Who Have Ever Had Sexual Intercourse, by Mother’s Age at First Birth

- Blue line: Under 20 years
- Red line: 20 years or older


- 1988: 64%
- 1995: 54%
- 2002: 44%
- 2006-08: 36%
Teen Motherhood and Sex

Percent of Never-Married Males 15-19 Who Have Ever Had Sexual Intercourse, by Mother’s Age at First Birth

- Under 20 years
- 20 years or older

Graphic shows trends from 1988 to 2006-08 with percentages decreasing over time.
**Parent-Child Relationship by Age**

- **Parents Who Feel Very Close to Child**: 96% at age 6, decreasing to 76% by age 17.
- **Parents Who Report Being Able to Talk about Things That Really Matter**: 83% at age 6, decreasing to 67% by age 17.
- **Parents Who Report Meeting All of Child's Friends**: 45% at age 6, decreasing to 28% by age 17.
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Trends in Poverty

Children Below 100% of Poverty Line

17% 1975
19% 1980
20% 1985
20% 1990
19% 1995
17% 2000
15% 2005
20% 2009
Mother’s Education and Births to Teens

Probability of a First Birth By Age 15, 16, 17, 18, 19 & 20 for Females 15-24 by Mother’s Education, 2006-2008
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Trends in Dropout Rates

- White, Non-Hispanic
- Black, Non-Hispanic
- Hispanic

Yearly dropout rates from 1970 to 2010 for different ethnic groups.
Trends in Math

9 year olds
13 year olds
17 year olds

Years:

Values:
- 9 year olds: 219, 266, 304, 306
- 13 year olds: 243, 281
- 17 year olds: 243
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Welfare Caseloads Dropped Substantially After Welfare Reform in 1996
Infant Mortality Rates have Declined Dramatically

Infant Mortality Rate, deaths per 1,000


99.9
6.8
Smoking

Prevalence of Smoking Among Adults

Year:
- 1965: 42.4%
- 1969: 37.4%
- 1973: 37.1%
- 1977: 34.1%
- 1981: 32.1%
- 1985: 28.8%
- 1989: 25.5%
- 1993: 24.7%
- 1997: 22.8%
- 2001: 20.6%
- 2005: 19.8%
- 2009: 20.6%