Sexual Health in Adolescents

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Financial Relationships With Commercial Entities

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Learning Objectives

After attending this presentation, learners will be able to:

- Describe the reasons for increased risk of STIs and HIV among adolescents
- List important aspects of a detailed sexual history for adolescents, including sexual and gender minority adolescents
- Identify approaches to improving sexual health among adolescents
Why discuss sexual health among adolescents?

Adolescents are having sex.
- High school students (9-12th grade)
  - 40% had ever had sexual intercourse.
  - 10% had ≥ 4 sexual partners.
  - 30% had sex during the previous 3 months, and, of these:
    - 46% did not use a condom with last sex.
    - 14% did not use any method to prevent pregnancy.
    - 19% drank alcohol or used drugs before last sex.
    - 7% had been physically forced to have sex when they did not want to.
  - <10% of all students have ever been tested for human immunodeficiency virus (HIV).

Youth are at Increased Risk for STIs/HIV.
- Biologic risk
  - Anatomy: cervical ectopy, lower circumcision rates
  - Lack of immunity from prior infections
  - Greater risk for physically traumatic sex
  - Concurrent STIs
- Brain development
  - Maturation of "executive suite": center that includes risk-reward calibration, problem-solving, prioritizing, thinking ahead, self-evaluation, long-term planning, and regulation of emotion
  - Note: multiple factors (environment, culture, trauma, substance use, illness, parenting style, race/ethnicity) impact development and maturation
- Cognitive development: concrete thinking; limited ability to perceive consequences
“Risky Behavior” & Normal Development?

Cognitive development
- Concrete thinking → more complex
- Limited ability to perceive consequences

Risk taking & experimentation
- Exploration of _______(fill in the blank)
- self-esteem, self-confidence & self-identity
- autonomy, peer acceptance & respect

Psychosocial development
- Invincibility & independence-seeking

Decreased parental supervision
- Runaway, truancy

Increased Risk for STIs/HIV among Youth.....

STI Rates among Adolescents
- Rates of chlamydia, gonorrhea, and primary & secondary syphilis ↑ for both sexes in 15-24 year olds
- Chlamydia: highest among women 15–24 years; males 15–24 years ↑ 29% (2013–2017), while the rate in females ↑ 9%
- Gonorrhea: males 15–24 years ↑ 52%, while the rate in females increased 24%
- Reasons for increases include:
  - ↑ incidence
  - ↑ screening among young men
  - ↑ extragenital screening
HIV among Youth

Diagnoses of HIV among Adolescents and Young Adults Aged 13–24 Years, by Transmission Category, 2010–2015—United States and 6 Dependent Areas

Note. Data have been statistically adjusted to account for missing transmission category. “Other” transmission category not displayed as it comprises less than 1% of cases.

- 51,000 youth with HIV, 48% unaware of HIV status (CDC 2016)
- Trends (2010–16): ↓ 6% overall among youth (32% women; men unchanged men)
- Among MSM: ↓ 5% among AA; ↓ 6% among white; ↑ 17% Hispanic/Latino

Sexual and Gender Minority Youth

- **Sexual minority youth:** youth who identify as same gender loving, gay, lesbian, bisexual, questioning or some other sexual identity and/or have sexual contact with persons of the same or both sexes
- **Gender minority youth:** youth who identify as a gender different from their gender assigned at birth, as non-binary, are questioning their gender identity or are otherwise gender diverse
- Together this group is often referred to as **LGBTQ**
**LGBTQ**
Lesbian
Gay
Bisexual
Transgender
Queer/questioning

**Intersection**
• Each letter represents distinct populations with their own health concerns
• Subpopulations within each – based on race, ethnicity, age, SES, region, etc.
• Intersectionality considers an individual’s multiple identities and the ways in which they interact

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**Risks among Sexual and Gender Minority Youth**

**Compared to heterosexual and cisgender youth:**
• More likely to have had sex before age 13
• More likely to have sex with >4 partners
• More likely to have used alcohol or drugs before last sex
• Less likely to use condoms last sex
• More likely to have not used any pregnancy prevention method last sex

Levine, Pediatrics, 2013; Kann et al, MMWR, 2018; Rasberry et al, MMWR, 2018

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**Young Transgender Men and Women**
• Transgender young women face highest rates of HIV and STIs compared to other SGM youth
• Increased HIV/STI risk may be associated with commercial sex work, transactional sex, unemployment, substance abuse, history of incarceration, homelessness, nonconsensual sex, access to care, number of partners and condomless anal intercourse
• HIV prevalence among transgender men is relatively low (0-3%), a 2011 study suggests that transgender MSM are at high risk for acquiring HIV

ABR Question 1: Which of the following is true about sexual health in adolescents?

A. Rates of sexually transmitted infections are declining
B. Pregnancy rates are increasing
C. Sexual and gender minority adolescents and youth have higher risk of STIs
D. Preexposure prophylaxis is not approved for adolescents

What can be done to assess and decrease risk?

- Develop rapport & trust
- Normalize discussions on sexuality
- Assess changes and evolution
- Opportunity for comprehensive education and delivery of health services
- Decision-making around healthy relationships, healthy sexual behavior, and prevention of STIs, HIV, and HPV
- Screenings
- Vaccinations

Annual Preventive Health Visit

AAP: Marsai Martin (Blackish)
HEADSS: Beyond the Check Boxes

• H – Home/Household
• E – Education/Employment
• A – Activities
• D – Drugs
• S – Sex/Sexuality
• S – Suicidality/Mental Health

HEADSS assessment should be a conversation not a survey (more in depth probing as therapeutic relationship develops)

• Adolescents need to be closely and carefully engaged to understand their psychosocial history
• Rapport building is key!!!!!!

ANY CLINICIAN may be one of few allies for youth

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Sexual History 101

• Confidential
• Nonjudgmental
• Non-assuming
• Be specific
• 5 Ps (Partners, prevention of pregnancy, protection from STIs, sexual practices, and past history of STIs)
• Avoid medical jargon
• Engage the adolescent in the process of adopting health-promoting behaviors

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Taking an Inclusive Adolescent Sexual History

• Engage youth on other aspects of their lives before jumping to questions on sex, drugs and rock n roll
• Be comfortable asking sensitive questions or at least pretend to be.
• Adolescents prefer if you are direct
• Put them at ease: “I know this may be embarrassing, but I ask all of my patient’s these questions because it’s important for your health”
• How a person identifies their sexuality or gender does not always tell you who they have sex with or who they are attracted to make no assumptions
Barriers to Care in Pediatric Settings for Adolescents

- 1/3 of adolescent annual visits had no discussion of sexuality issues
- Average length of discussions was 36 seconds (when it occurred)
- Providers less comfortable with taking sexual history of SGM youth
- SGM youth marginalized by non-inclusive health settings
- Inadequate training to elicit disclosure of sexual or gender identity

Alexander et al JAMA Pediatrics, 2014; Hayes et al., 2015; HRC, 2018

Taking an Inclusive Adolescent Sexual History

- Be aware that there are a wide range of sexual behaviors, activities, and expressions.
- Remain open and neutral.
- Provide comprehensive and non-stigmatizing information about sexual and reproductive health
- Promote healthy sexuality even if teen is not sexually active.

STI Screening and Prevention

- Base decisions about STI screening on sexual behaviors, and the anatomy/body parts used for sex as identified through the inclusive sexual history
- Include extra-genital chlamydia and gonorrhea screening in patients with history of oral/anal sex
- Sexually active youth should be screened at least annually with more frequent intervals based on risk behavior
- Refer to CDC 2015 STD Treatment Guidelines for specific STI testing recommendations
- Nucleic acid amplification test (NAAT) testing sufficient in most cases

### What are Indications for a Pelvic Examination?

- Persistent vaginal discharge
- Dysuria or urinary tract symptoms in a sexually active female
- Dysmenorrhea unresponsive to nonsteroidal antiinflammatory drugs
- Amenorrhea
- Abnormal vaginal bleeding
- Lower abdominal pain
- Contraceptive counseling for an intrauterine device or diaphragm
- Perform Pap test
- Suspected/reported rape or sexual abuse
- Pregnancy

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### HIV Testing among Adolescents

- 51% of adolescents/young adults living with HIV are unaware of their status
- Barriers to testing include: low perceived risk of infection, confidentiality, access to services

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### U.S. HIV Screening Recommendations

- Universal screening
  - 13-64 years old
  - All pregnant women
- Repeat screening
  - Subsequent tests for all persons with increased risk at least annually
- Family diagnosis
- Clinical suspicion
- Patient request
FDA-approved for PrEP (weight ≥35 kg)

Does not need to be prescribed by specialist!

Adolescent and Young Adult PrEP Barriers

- Young adults < 10% of PrEP prescriptions but >20% of new HIV infections
- Studies have shown low/no adherence among adolescents and young adults who have started PrEP
- Greatest risk are often disproportionately burdened by factors that may limit uptake and adherence to PrEP
- Impact of minor consent laws
- Concerns for confidentiality*
- Barriers to disclosing same-sex behavior or sexual risk behavior
- Lack of access to comprehensive, culturally and developmentally sensitive care

*Know your minor consent laws

Family Planning and Reproductive Health

- Pregnancy among adolescents declining (across all demographics); ↓ 64% (1991-2015)
- 80% of adolescent pregnancies unplanned
- Strategies for addressing sexual history important in counseling about contraception: nonjudgmental, empathetic, nonthreatening, engaging, supportive
- All options are available to adolescents, including abstinence
Family Planning and Reproductive Health (SGM)

- Important to have open discussions with all youth, including SGM youth, about reproductive health and family planning
- Sexual behavior and sexual identity are not always aligned
- Many SGM may have sexual encounters that may not be predicted by their orientation, conversation about birth control is important

ARS Question 2: In a sexual history, which of the following is not one of the 5 Ps?

A. Partners
B. Prevention of Pregnancy
C. Sexual practices
D. Protection of STIs
E. Pills

Immunizations for Adolescents and Young Adults

- Human Papilloma (HPV)
- Hepatitis A
- Hepatitis B
- Tdap
- MCV
- Flu
- Others as indicated
Question-and-Answer

Resources

- AAP: Office-Based Care for Lesbian, Gay, Bisexual, Transgender, and Questioning Youth
- Bright Futures Guidelines for Preventive Services [https://brightfutures.aap.org/families/Pages/default.aspx]
- Sexual and Reproductive Health Services in the Pediatric Setting [https://pediatrics.aappublications.org/content/140/4/1207.full.pdf]
- AAP: Contraception for Adolescents Technical Report [https://pediatrics.aappublications.org/content/140/4/1207.full.pdf]
- Advocates for Youth [https://advocatesforyouth.org/resources-tools/?_sft_type=health-information]
- STDs in Adolescents and Young Adults [https://www.cdc.gov/std/teens/facts/adolescents.html]
- HIV and Youth [https://www.cdc.gov/hiv/group/age/youth/index.html]