

# Transgender Adolescent Patients Medical Care

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# **DISCLOSURES**

None



# Objectives

- Differentiate assigned sex at birth, gender identity and expression, and sexual orientation.
- · Provide initial management strategies for appropriate and competent care to gendernonconforming patients.

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## Defining Gender

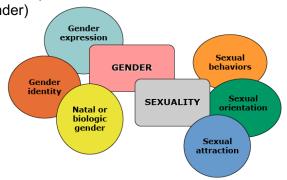
Assigned sex at birth: Sex assigned at birth; body parts, hormones, biology.

Gender Identity: The understanding of one's self (Female, male, transgender, gender non-conforming, genderqueer, nonbinary, gender fluid, cisgender)

#### **Gender Expression:**

Ways in which a person acts, presents self, and communicates gender within a given culture

Citation: Olson, Forcier



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# Defining Sexuality

#### **Sexual Orientation/Identity:**

Sexual concept of one's self based on feelings, attractions, and desires;

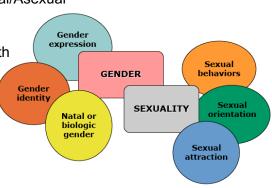
#### LGBTQ:

Lesbian, Gay, Bisexual, Transgender, Questioning/Queer; Pansexual/Asexual

#### **Sexual Behaviors:**

Young Men who have Sex with Men (YMSM)Young Women who have sex with Women (YWSW)

Citation: Olson, Forcier



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# Awareness of Gender Identity

Between ages 1 and 2
Conscious of physical differences between sexes



At 3 years old
Can label themselves as a girl or boy



By age 4
Gender identity stable
Recognize gender constant



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# Pathology Based

#### **DIAGNOSIS of GENDER DYSPHORIA**

- Marked difference between expressed/experienced gender and gender others would assign.
- · Must continue for at least six months.
- Causes clinically significant distress or impairment in social, occupational, or other important areas of function.
- In children, the desire to be of the other gender must be present and verbalized.
- DSM V Criteria must be met.

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# **GENDER DIVERSITY**

- · Gender is universal, normal
- Variance is expected aspect of biology & human development
- Diversity is not deviance
- Improve care
- Impact minority stress
- Advocate for another form reproductive justice
- Advocate, empower vulnerable populations

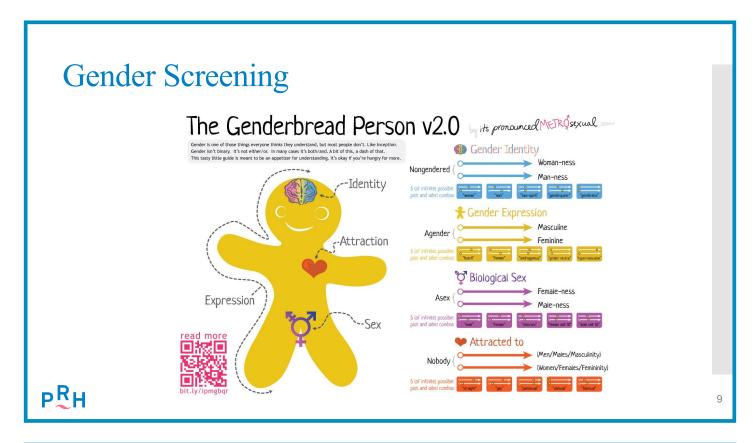
Patient-centered developmental care—
Allows flexibility and clinical judgment

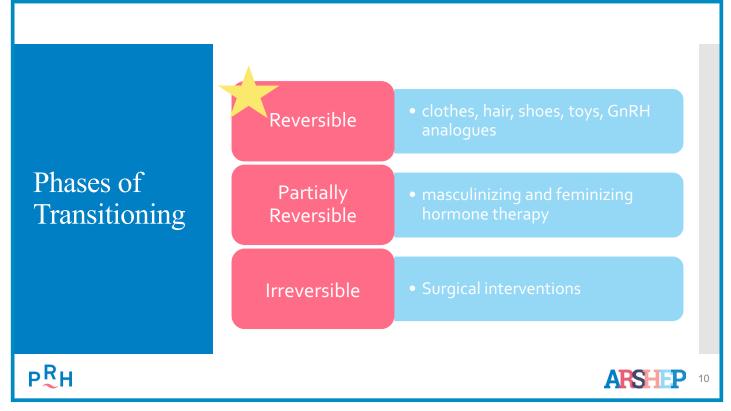
Developmental Perspective

P<sup>R</sup>H











# GnRH Analogues

- Continuous GnRH secretion
  - · Suppress FSH, LH pulses
  - Initial ↑ LH, FSH followed by desensitized pituitary
  - · LH, FSH secretion suppressed
- · Leuprolide, Triptorelin IM
  - 1,3 and 4 monthly depot preparations
  - 6-month preparation
- Histrelin implant
  - 12 months officially, but can last 24 36 month

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# Phases of Transitioning

Reversible

clothes, hair, shoes, toys, GnRF analogues

Partially
Reversible

 masculinizing and feminizing hormone therapy

Irreversible

Surgical interventions

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# Pre-Transition Evaluation

Discuss hormones

Risk, benefits

Expectations of Hormones/ Surgical goals

Future fertility effects

The unknown future

**Embodiment goals** 

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# Testosterone Regiments

- · T. Cypionate/ enanthate IM
  - 100-200mg q 2 weeks
  - 50-100mg q week
- Topical Gel
  - 50-100 mg daily
- Patch (not currently available)
  - 2.5-7.5mg daily











Effect	Onset (months)	Maximum (years
skin/ acne	1 to 6	1 to 2
facial/body hair	6 to 12	4 to 5
scalp hair loss	6 to 12	
increased muscle mass	6 to 12	2 to 5
fat redistribution	1 to 6	2 to 5
cessation of menses	2 to 6	
clitoral enlargement	3 to 6	1 to 2
vaginal atrophy	3 to 6	1 to 2
deepening of voice	6 to 12	1 to 2

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# Risks of Masculinizing Hormones

#### Common

- Initial mood changes, resolved by 3-4 months
- Initial weight gain, restabilize after 3-4 months
- Acne
- Male pattern baldness
- · Pelvic pain
- Increase in Hgb, Hct

#### Uncommon

- Liver dysfunction
- •TG↑ HDL↓ LDL↑
- · Insulin resistance
- Polycythemia

Studies over time indicate that hormones have minimal clinically significant physiologic affects & suggest we can do less labs in future







# Lab Follow-Up for Masculinizing Hormone Therapy

- How often
  - Q 3 months initially
  - Then every 6 mo annual
  - · Test according to need
- Testosterone levels
  - Average physiologic levels
  - · Goal 400-700 ng/dl
  - · Mid-dose levels
- CBC
- CMP
- Lipids

#### Goals

#### Dosing & labs by

- Generate desired effects
- Avoid side effects
- Average natal levels

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# Management of Side Effects of Masculinizing Hormones

- Finasteride to treat pattern baldness
- Estrogen vaginal cream for atrophy
  - Minimal systemic effects.
  - Psychological factors
- Retinoids, benzoyl peroxide, doxycycline for acne
- Low dose oral minoxidil for sparse hair production?
- Supplemental meds for menstruation suppression?







### Amenorrhea

- A common goal of testosterone therapy
- Often achieved in 6-8 months of consistent therapy
  - 85-100% at 1 year of therapy
- 25% with breakthrough bleeding
  - The longer on T, the more likely to have breakthrough
  - · Lack of data on breakthrough patterns
  - · Often appear to be idiopathic
- Lack of data on long term maintenance





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# Health Care Maintenance for FTMs

- · Emotional well-being
- STI testing
  - Consider, don't assume
  - HIV testing
  - Profile may or not mimic WSW profile
- Contraception
- Fertility concerns

- Breast cancer screening
  - Instructions in self breast exam
  - Mammography if breasts accord to cis guidelines
  - · Consider use of US
- Pap cancer screening
  - Note FTM on testosterone
  - Atrophy looks like dysplasia







# Contraception

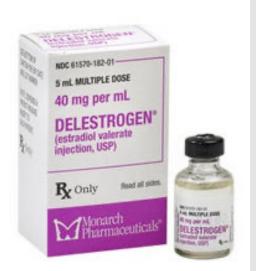
- Transmasculine patients have a pregnancy risk
  - · Testosterone not fail-safe contraceptive
  - May continue to ovulate while on testosterone
  - Testosterone may adversely affect development of fetus
  - Consider Nexplanon, progesterone IUD, DMPA, other
  - · Avoid assumption—do Family Planning exploration
- 16-31% trans men believe T is contraception
- Frequently not discussed
  - Only 1/3 of clinicians were comfortable discuss
  - Only 70% of OB residencies have formal training.





# Estrogens

- Oral estradiol
  - · 2-6mg daily
- Transdermal estradiol
  - · 0.1-0.4mg twice weekly
- E. valerate or cypionate
  - 5-20mg IM q 2 weeks
  - · 2-10mg IM g weekly











#### Onset (months) Maximum (years) Effect redistribution of body fat 3 to 6 2 to 3 decresed muscle mass 3 to 6 1 to 2 softening of skin unknown 3 to 6 decreased libido 1 to 3 3 to 6 decreased spontaneous erections 1 to 3 3 to 6 breast growth 3 to 6 2 to 3 decreased testicular volume 3 to 6 2 to 3 decreased sperm production unknown >3 decreased terminal hair growth

6 to 12





>3

# Estrogen Side Effects

CVA/ MI/ DVT/ PE

Depression

Gall bladder disease

Headaches

Hepatitis

Hyperlipidemia

Loss of libido/ ED

Mood change

Pituitary adenoma (Prolactin > 80)

Sterilization







### VTE

Higher risk with conjugated estrogens (e.g. Premarin)

Safer to use 17-beta Estradiol

Zero to 2.5 increased risk

Transdermal estrogen seems the lowest risk

no increased risk

Weak evidence that sublingual administration is better

Background risk 1.3 per 100,000 in healthy persons with estrogen about 3 per 100,000 with migraine about 28 per 100,000

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# Lab Follow-Up for Feminizing Hormone Therapy

- How often
  - Q 3 months initially
  - Then every 6 mo annual
  - Test according to need
- Testosterone levels
  - Goal <55 ng/dl
- Estrogen level (mid dose)
  - Goal 100-200 ng/dl
- CBC
- CMP
- Lipids
- Prolactin annually

#### Goals

#### Dosing & labs by

- Generate desired effects
- Avoid side effects
- Average natal levels







# Anti-Androgens

Spironolactone 100-200mg daily

GnRH Agonist (e.g Leuprolide acetate) variety of regiments as noted previously.

Finasteride and Dutasteride (5-Alpha reductase inhibitors)

1-5mg daily for Finasteride

0.5 mg daily of Dutasteride

Bicalutamide

50mg PO daily

May have a role as an alternative to GnRH agonists





# Progesterone

- No good data in transgender women
- Women's Health Initiative concerns
- No direct evidence that it is harmful in trans women









### **SERM**

- Selective Estrogen Receptor Modulators
  - · Raloxifene 60mg daily
  - · Tamoxifen 20mg daily
- Binds to estrogen receptors
- Used on osteoporosis and breast CA prevention
- Not studied for use in amenorrhea induction
- · No studies for use in gender care, but a theoretical use for those seeking an "androgynous" appearance in AMAB.
- No pediatric dosing





# Thank You!





# **QUESTIONS?**

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# Mental Health Evaluation Support for Gender Diverse Youth

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June 13, 2024

# **Purpose and Objectives**

**PURPOSE** 

Provide overview of mental health assessment tools for gender diverse youth

#### **OBJECTIVES**

- Define mental health issues that impact gender diverse youth
- Provide tools to assess and evaluate mental health of gender diverse adolescent patients
- · Offer supports for gender diverse youth experiencing mental health issues

FINANCIAL DISCLOSURE

None



# Presentation Overview

Overview of mental health for LGBTQ+ and gender diverse youth

Stressors impacting mental health of TGNB/gender diverse youth

Mental health screening assessment tools

Supportive models of care and therapeutic approaches

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### **Mental Health Statistics**

According to the most recent Trevor Project National Survey:

- 39% of LGBTQ+ young people seriously considered attempting suicide in the past year.
  - o This includes 46% of transgender and nonbinary young people.

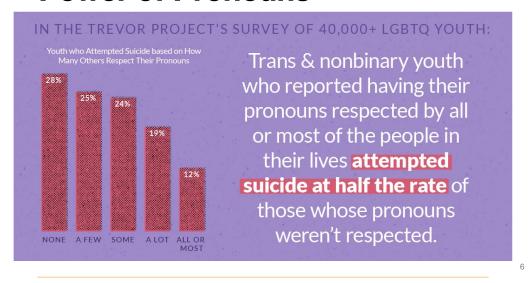
2024 U.S. National Survey on the Mental Health of LGBTQ+ Young People. The Trevor Project. c



# Breaking it down: What are the factors playing a part in this?

- Respect and Recognition of Gender Identity
- Access to developmentally appropriate GAHT/medical care
- 3. Family and social support

# Respect for Gender Identity – Power of Pronouns



PHYSICIANS FOR REPRODUCTIVE HEALTH



# Access to developmentally appropriate GAHT & medical care

Having access to hormones and puberty blockers for youth ages 13 to 20 was associated with:

- 60% lower odds of moderate to severe depression
- 73% lower odds of self-harm or suicidal thoughts

compared to youth who did not receive these medications over a 12-month period.

 $Tordoff\ et\ al.\ Mental\ Health\ Outcomes\ in\ Transgender\ and\ Nonbinary\ Youths\ Receiving\ Gender-Affirming\ Care.\ JAMA\ Netw\ Open.\ 2022 and\ Section 1992 and\ Sect$ 

# Access to developmentally appropriate GAHT & medical care

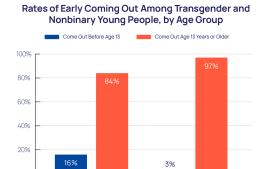
Pubertal suppression is associated with decreased behavioral and emotional problems as well as decreased depressive symptoms (de Vries et a., 2011). Prior to pubertal suppression, 44% of youth experienced clinically significant behavioral problems; however, after an average of two years of pubertal suppression only 22% experienced them.

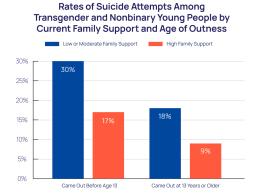
Research on GAHT for youth demonstrates positive effects on body image and overall psychological well-being as well as reduced suicidality. one study of transgender youth demonstrating that after approximately 1 year of treatment the average level of suicidality was 1/4th what it was before treatment (Allen et al., 2019).

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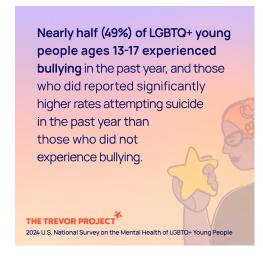
# Family and Social Support: Coming Out





# Family and Social Support: Schools & Peers

18-24 Years Old







# Family and Social Support: Intersectionality

#### **TGNB** identities are:

- Diverse
- Impacted by power and privilege and access
- Impacted by race, ethnicity, migration
- Impacted by intergenerational trauma and violence
- Resilient



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# **Family and Social Support:**

# **Institutions and Systems**

# Ecological Systems Theory (seafentreaser, 1974) (seafentreaser, 1974) (seafentreaser) (

#### Frameworks:

- · Minority Stress
- Ecological Systems Theory

90% LGBTQ Youth report their wellbeing being negatively impacted by the current anti-LGBTQ laws

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### **Social transition & Mental Health**

The evidence for social transition builds upon what is already known regarding positive family and social support; that is, family acceptance of LGBTQ youth is associated with positive mental health (Ryan et al., 2010), whereas higher rates of family rejection are associated with the opposite. For example, young adults from highly accepting families attempt suicide at significantly reduced rates compared to those in low accepting families (31% versus 57%) (Ryan et al., 2009). TGNB children who have socially transitioned demonstrate comparable levels of self-worth and depression as non-TGNB children. This has been demonstrated in research that asks parents to report on their child's mental health (Olson et al., 2016) as well as asking the youth themselves (Durwood et al., 2017). Although TGNB youth who have socially transitioned report slightly higher levels of anxiety compared to non-TGNB peers (Durwood, et al., 2016; Olson et al., 2016) the fact that self-worth and depression outcomes are equal is powerful due to the significantly worse mental health outcomes experienced by non-supported TGNB youth. Further, research has specifically shown lower suicidal ideation and suicidal behavior when a TGNB youth's chosen name is consistently used.

# **Social Transition & Mental Health Starts Early**

#### **According to the WPATH Standards of Care 8:**

- The only form of gender-affirming care for children before puberty is <u>social</u> <u>support</u>, such as allowing a child to choose clothing, hairstyles, use of a different name that more closely aligns with their gender identity.
- Social support, sometimes called social transition, can help children understand and explore their gender as they grow up and is endorsed by major medical 5 associations.
- Research indicates that children have an understanding of their gender, and their gender in relation to others, beginning as young as 18 months.
- Children benefit from a holistic approach to their well-being, through which
  providers and parents and/or caregivers take both physical and mental health
  care into account.



# Providing Mental Health Assessments to TGNB/Gender Diverse Youth

#### Screenings must be:

- · Developmentally appropriate
- Culturally competent
- · Strengths-Based



Overall Mental Health Screenings for Adolescents

#### Formats:

Self-Administered

Clinician-Administered



Assessments around gender identity and stressors related to identity development and transitioning

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# **Psychosocial Assessments**

# **Example: HEEADSSSS**

- H: Home → homelessness, abuse, lack of acceptance
- E: Education/Employment → absenteeism, drop-outs, discrimination
- E: Exercise/Eating → disordered eating behaviors
- A: Activities
- D: Drugs → problematic substance use/abuse
- S: Suicidality/Depression
- S: Sexuality → gender dysphoria, coming out concerns, sexual behaviors
- S: Safety → victimization, IPV
- S: Strengths



# Mental Health Screening Assessment Tools

Suicidal ideation

Depression and anxiety screenings (PHQ2/PHQ9)

Substance use (S2BI, CRAFFT, BSTAD)

Circles of support

Resilience and protective factors

Screening and Assessment Tools Chart | National Institute on Drug Abuse (NIDA) (nih.gov)

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# Mental Health Screening Assessment Tools

### **Example: Child Behavior Checklist**

The Child Behavior Checklist (CBCL) is a component of the Achenbach System of Empirically Based Assessment (ASEBA). The ASEBA is used to detect behavioral and emotional problems in children and adolescents. The CBCL is completed by parents. The other two components are the Teacher's Report Form (TRF) (completed by teachers), and the Youth Self-Report (YSR) (completed by the child or adolescent himself or herself).

The 2001 revision of the CBCL, the CBCL/6-18 (used with children 6 to 18), is made up of eight syndrome scales (internalized and externalized):

- anxious/depressed depressed somatic complaints social problems
- thought problems attention problems rule-breaking behavior
- aggressive behavior

schoolagecbcl.pdf (livelight.org)



# Assessments around gender identity and stressors related to identity development and transitioning

Gender Exploration & Assessment Questions for Children, Youth, and Families (Compiled by Antonia Barba, LCSW)

- Family assessment in some stages also inform process
- · Different questions based on age of child/youth and for parents/caregivers

#### **Assessment Topics:**

- Name
- Pronoun(s)
- · Asking and talking about gender identity
- · History of gender identity
- Experiences in their body
- · Goals related to gender expression

# Assessments around gender identity and stressors related to identity development and transitioning

TGD Child Patient in Primary Care: Practical Advice for a 10-minute Consultation

History of gender identity concerns

Social History

Screen for Depression and Self-Harming or Suicidal Thoughts

Is the school supportive?

Any symptoms and signs of puberty?

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# From Assessment to Treatment Therapeutic Approaches

- CBT
- EMDR
- DBT
- Liberation-Based Therapy
- Family Functional Therapy

Implementing Trauma-Focused
Cognitive Behavioral Therapy
for LGBTQ Youth and their
Caregivers

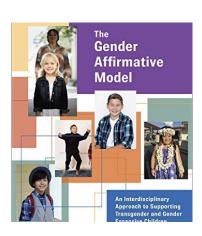
Judith Cohen, M.D.
Anthony Mannarino, Ph.D.
Kelly Wilson, LCSW
Arturo Zinny, IPC, M.A.

Guinc (data, IA, Mannaro, & Wilson, 5.8 Zing, A (2021) Trauma Focused Cognitive Behavioral
Therapy (2021) Implementation Handows, 8.4 Wilson, 5.8 Zing, A (2021) Trauma Focused Cognitive Behavioral
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### **The Gender Affirmative Model**

# Individual treatment for the child is indicated for one of five reasons:

- 1. Assess a child's gender status;
- 2. Afford the child a "room of their own" to explore their gender;
- 3. Identify and attend to any co-occurring psychological issues;
- 4. Address and ameliorate a child's gender stress or distress;
- Provide sustenance in the face of a nonaccepting or rejecting social milieu, which might include family, school, religious institution, or community.



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### **The Gender Affirmative Model**

# Therapeutic goals in the gender affirmative model include:

- Facilitating an authentic gender self
- Alleviating gender stress or distress
- Building gender resilience
- Securing social supports

"In this model, gender health is defined as a child's opportunity to live in the gender that feels most real or comfortable to that child and to express that gender with freedom from restriction, aspersion, or rejection. Children not allowed these freedoms by agents within their developmental systems (e.g., family, peers, school) are at later risk for developing a downward cascade of psychosocial adversities including depressive symptoms, low life satisfaction, self-harm, isolation, homelessness, incarceration, posttraumatic stress, and suicide ideation and attempts"

D'Augelli, Grossman, & Starks, 2006; Garofalo, Deleon, Osmer, Doll, & Harper, 2006; Roberts, Rosario, Corliss, Koenen, & Bryn Austin, 2012; Skidmore, Linsenmeier, & Bailey, 2006; Toomey, Ryan, Díaz, Card, & Russell, 2010; Travers et al., 2012

# Studies prove positive outcomes for youth with support

# **Trans Youth Project** (Kristine Olson, Princeton)





AS PARENTS, YOUTH-SERVING PROFESSIONALS AND ALLIES, WE ALL HAVE A RESPONSIBILITY TO CREATE SAFE AND AFFIRMING SPACES SO EVERY LGBTQ YOUTH CAN BE OUT, PROUD AND ABLE TO THRIVE

https://www.hrc.org/resources/2018-lgbtq-youth-report

# **Summary**

- ✓ Understand how society, culture, and family impact mental health outcomes of TGNB and gender diverse youth.
- ✓ Obtain mental health and gender identity assessment tools, and therapeutic models.



Remember to listen to youth! They are the experts of their own lives!



### References

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Published online 2022 Feb 14. doi: 10.1089/trgh.2020.0165

Family-Based Interventions with Transgender and Gender Expansive Youth: Systematic Review and Best Practice Recommendations

<u>Jean Malpas, 1, 2, \* Michael J. Pellicane, 1, 3</u> and <u>Elizabeth Glaeser 1, 4</u>

<u>Gender-Affirming-Care-January-2020.pdf (thetrevorproject.org)</u> The Trevor Project Research Brief: Gender-Affirming Care for Youth January 2020

### **Contact Information**

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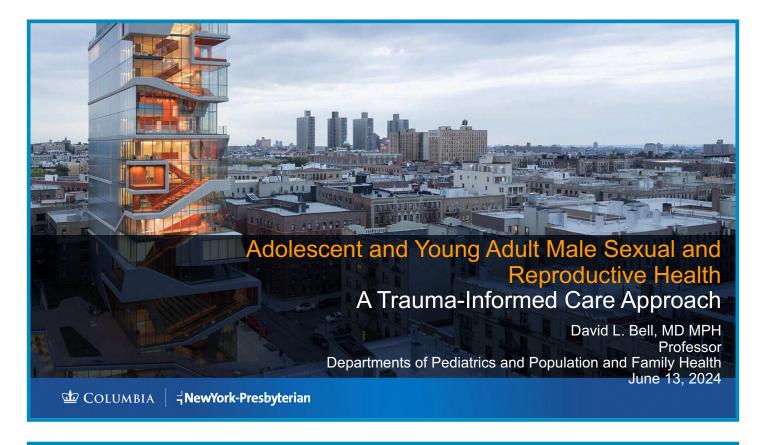
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# **Objectives**

Participants will be able to

- List at least three unique risk factors associated with AYA males in the context of sexual and reproductive health.
- Understand and Implement the CUES Model (Confidentiality, Universal education, Empowerment, and Support)
- Discuss cases in reference to Principles of Trauma-Informed Care

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# AYA Males and SRH: Unique Risk factors

- Limited Access to Information
- Societal and Peer Pressure
- Mental Health Stigma and Communication Barriers

# The CUES Model

- C Confidentiality
- U Universal Education
- E Empowerment
- S Support.

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# Six Principles of Trauma-Informed Care

- 1. Safety
- 2. Trustworthiness and Transparency
- 3. Peer Support
- 4. Collaboration and Mutuality
- 5. Empowerment, Voice, and Choice.
- 6. Cultural, Historical, and Gender Issues

## Reflection

- Reflect on your clinical and educational environment. Does it consistently adhere to the principles of Trauma-**Informed Care?**
- Have you had opportunities to apply Trauma-Informed Care practices with adolescent and young adult males?"

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# Six Principles of Trauma-Informed Care

- 1. Safety
- 2. Trustworthiness and Transparency
- 3. Peer Support
- 4. Collaboration and Mutuality
- 5. Empowerment, Voice, and Choice.
- 6. Cultural, Historical, and Gender Issues

# Case 1

19-year-old male had a rectal complaint. Patient was interviewed. During the physical exam with four observers – residents and students, the senior clinician asked the patient to turn around and bend over so that all could visually "examine" him.



### Reflection

Safety: Ensuring both physical and emotional safety for patients. This involves creating a care environment that makes patients feel secure, respected, and comfortable. For sexual and reproductive health, this means privacy during examinations and sensitive, non-judgmental communication.

Turn to your neighbor and discuss briefly: Did this scenario support or negate the Safety Principle? Please explain.

# Case 2

A second opinion was asked for a 17-year-old male who had a testicular exam finding. The senior clinician asked permission from the patient to be in the room with the consultant and a student. The patient agreed. The senior clinician leaned across the exam table with their chin resting on their hand observing the exam.



### Reflection

Safety: Ensuring both physical and emotional safety for patients. This involves creating a care environment that makes patients feel secure, respected, and comfortable. For sexual and reproductive health, this means privacy during examinations and sensitive, non-judgmental communication.

Turn to your neighbor and discuss briefly: Did this scenario support or negate the Safety Principle? Please explain.

# Six Principles of Trauma-Informed Care

- 1. Safety
- 2. Trustworthiness and Transparency
- 3. Peer Support
- 4. Collaboration and Mutuality
- 5. Empowerment, Voice, and Choice.
- 6. Cultural, Historical, and Gender Issues



# Case 3

An 18-year-old male is refusing to have a genital exam.

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### Reflection:

What has been your approach in the past?

White Board Activity:

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#### Reflection:

What are the possible concerns he might have?

White Board Activity:

# A Suggested Approach

- Ask his concerns, if he can verbalize them.
  - Don't assume that he feels comfortable telling you any or all of his concerns.
- Explain what are the components of the exam.
  - Explain what you will do and why?
  - How long it will take?
  - Acknowledge that many guys feel awkward at first about the exam.
  - Ask him is there anything that would make him a bit more comfortable?



# Six Principles of Trauma-Informed Care

- 1. Safety
- 2. Trustworthiness and Transparency
- 3. Peer Support
- 4. Collaboration and Mutuality
- 5. Empowerment, Voice, and Choice.
- 6. Cultural, Historical, and Gender Issues

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## Case 4

17-year-old male, at an initial medical visit, is visibly anxious about being in the office. He discloses that he fears he has an STI?

## Reflection:

- From the patient's perspective what might be making him anxious?
- What are assumptions that come up for you?
- Reflect on how you or a colleague might handle this concern.
- How would you start that communication with this patient?



# My perspective

Getting STIs or using condoms is not a moral issue, it is a public health issue.

Persons with penises are a part of the equation.

Our public health has accepted guidelines for routine STI testing, but it is only focused on females and MSMs.

As a system, we fail communities by not trying to eradicate curable STIs which should include more robust guidelines for testing all persons with penises without judgement.

# Six Principles of Trauma-Informed Care

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### Case 5

21-year-old male who has been in and out of the justice system presents for a genital exam. Your institution has a 'no-opt out' policy for chaperones.

# **Body autonomy**

- Self-determination
- Informed Consent
- Privacy
- Respect for Bodily Integrity
- Freedom from Discrimination
- Agency and Voice

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## Reflection:

- How does a "no-opt-out" policy potentially add to this person's trauma?
- If this was a Black male, what additional components of historical trauma might surface?

# **Closing Thoughts**

- Unique Risks for SRH for AYA males
- > The CUES Model (Confidentiality, Universal education, Empowerment, and Support)
- > Trauma-Informed Care (Safety; Trustworthiness and Transparency; Peer Support; Collaboration and Mutuality; Empowerment, Voice, and Choice; Cultural, Historical, and Gender Issues)



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## Question 1

Compared to adolescent girls, adolescent boys have less risk or different risks related to SRH?

- A.) Less Risk related to SRH
- B.) Different Risks related to SRH
- C.) The same risks
- D.) No risks

# Question 2

Establishing your office /clinic space as 'safe space' supports and encourage disclosure which is one of our clinical goals. (T/F)



# Question 3

Which chaperone policies afford the best patient autonomy regarding their SRH choices and the body autonomy?

- A.) No opt-out policies
- **B.) Opt-out policies**
- C.) Opt-in policies

