

Opportunities for School-Based Health to Close the Gap for Males

Funding Support

PCORI® Dissemination & Implementation Award DI 2020C2-20372 (PI: Tebb)

NIH NICHD R01HD109141 (PI: Marcell; co-I: Tebb)

UCSF REAC Funding from the Springer & Wikman Funds (PI: Tebb, co-I: Marcell)

Health-E You / Salud-iTu

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Nice to meet you!



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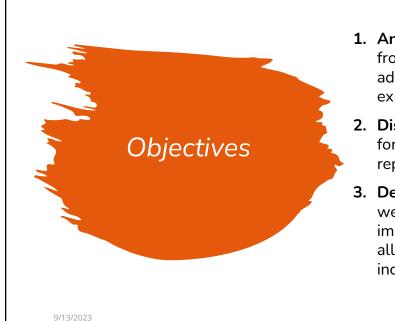
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9/13/2023

Case 17-year-old male

- 1st sexual experience was at age 9
- History of >10 sex partners
- Current partner is pregnant (unplanned) & she wanted to continue pregnancy
- He was concerned about his future & how having a child now would interfere with his life plans
- He had no experience with infant care
- He was grateful to discuss these issues since no doctor had ever done so before

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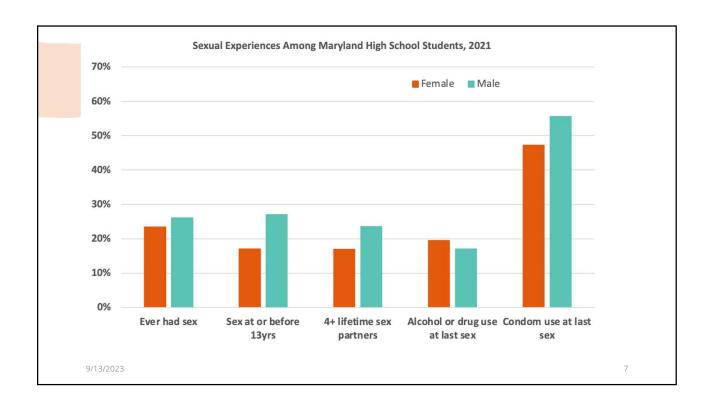
- 1. Analyze local data from Maryland on male adolescents' sexual behaviors & experiences
- 2. Discuss barriers & opportunities for supporting male sexual & reproductive health (SRH)
- 3. Describe how Health-E You, a web-based mobile app, can be implemented to support SRH for all youth in a clinic setting, including males

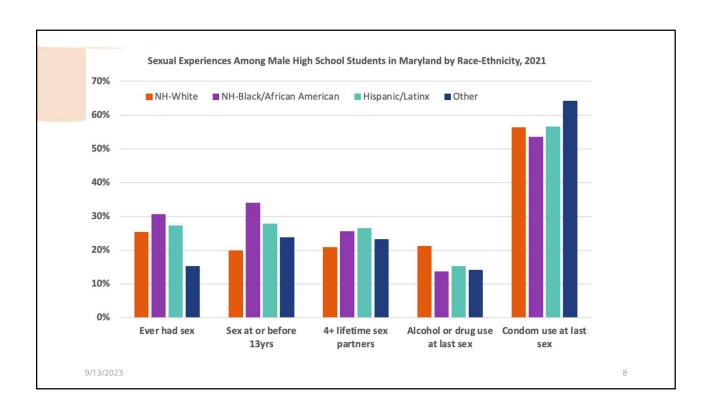


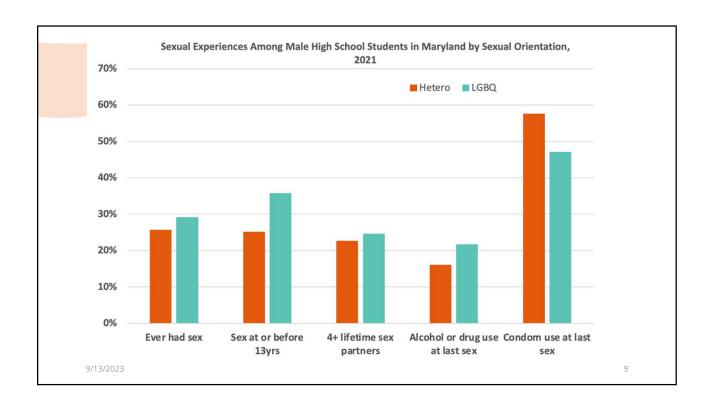


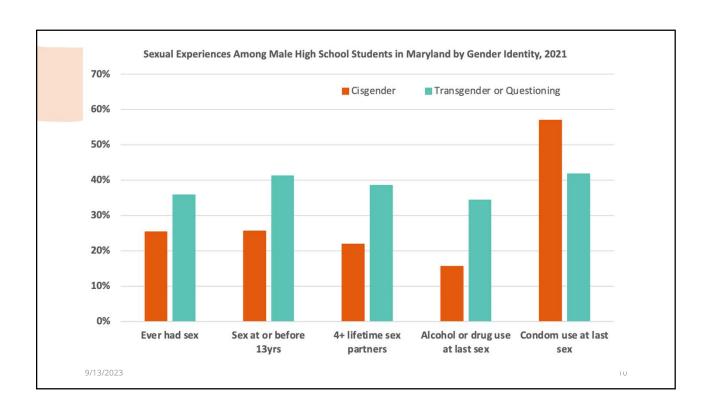
- Survey conducted every 2 years among high school students in 44 states, 28 local school districts, 3 territories, and 2 tribal nations
- Maryland data is representative to the county- and state-level
- Most recent data was collected in Fall 2021

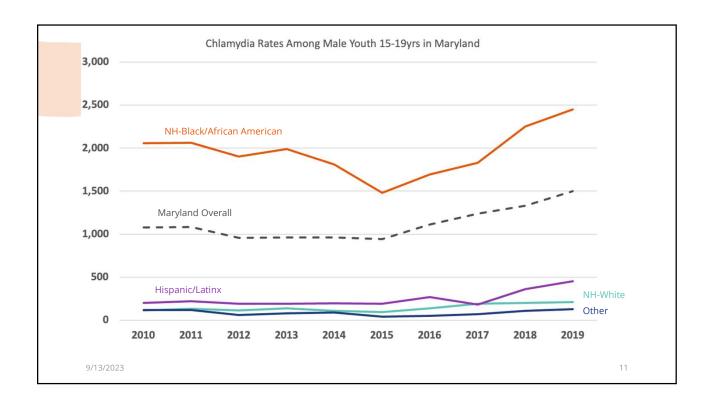
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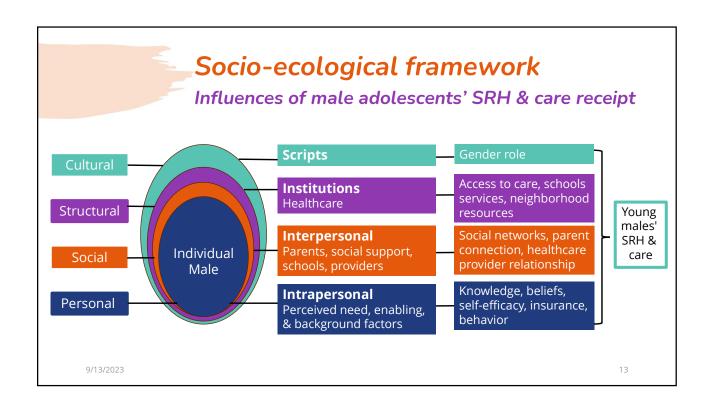


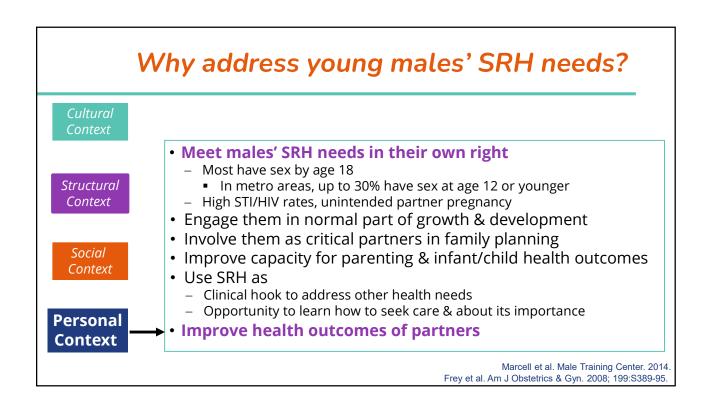


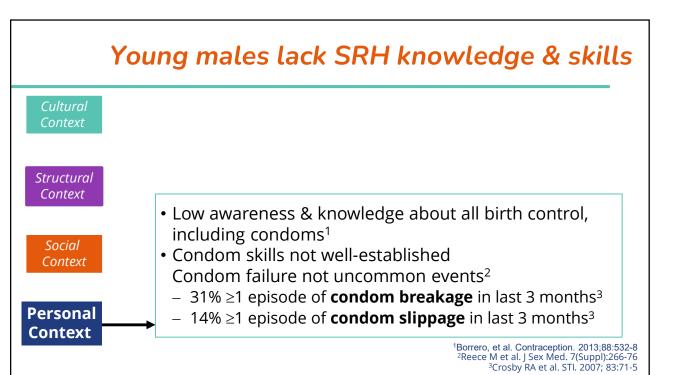












The "Boy code" & traditional masculinity ideology Cultural Masculinity ideologies¹ Context Socially constructed beliefs men adhere to culturally defined behavioral standards (be tough, not express emotions, avoid asking for / seeking help, sexual double standards) Structural Context Young males who endorse more traditional beliefs are at higher risk for • Engaging in problem behaviors Social Experiencing negative health outcomes Context • Not engaging in health care² These beliefs are reinforced by media Personal 12% of all content is sexual in nature¹ Context • Positive sexual health content was rare (<½ of 1%; or 0.19%) ¹Pleck. A New Psychology of Men. 1995. NY: Basic Books

²Marcell et al. Pediatrics. 2007; 119:e965-74

Health system structure (& culture)

Cultural Context

Existing structures

- Focus on maternal & infant/child health
- Informed by / reinforce cultural gender roles
- Lack integration across silos of family planning & sexual health

Structural Context

No single specialty, professional organization, Federal agency informs males' SRH care across lifespan vs. female-focused specialties

Social Context

Affordable Care Act (ACA) **missed policy opportunity**¹ to expand preventive coverage to include men's contraception with no cost sharing (e.g., vasectomy, condoms)

Personal Context Male adolescents **lack explicit SRH care hooks** to practice health care use skills

¹Sonfeld. Policy Review. 2015;18(2):34-39

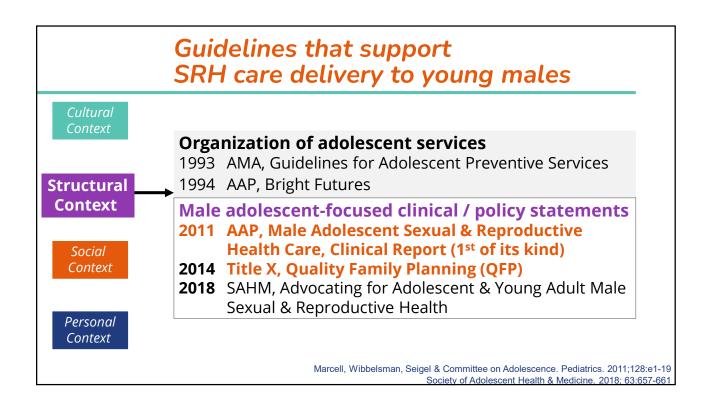
Few young males receive SRH care

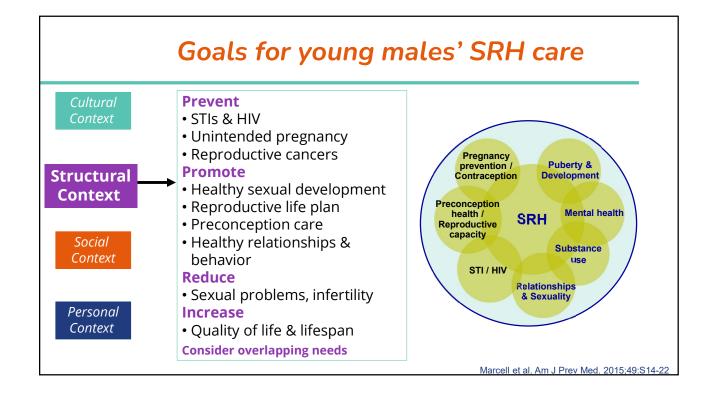
Female Male Cultural **Topic & ages** % % Context Asked about sex 11-14 19 15-19 45 15 Structural Discussed Context Puberty (11-14) 53 40 Birth control 14-17 37 18 Social 15-19 33 5 Context Counseled on STIs, HIV, pregnancy 61 34 Condoms 18 Personal Time spent talking Context 36 seconds about sex

Although baseline SRH care receipt is not much better for females, far fewer young males report SRH care receipt

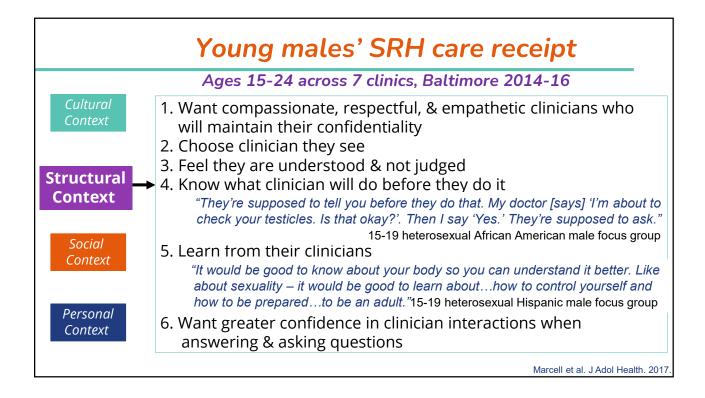
Lafferty et al. Am J Pu Health. 2002;92:1179-83; Burstein et al. Pediatrics. 2003;111:996-1001.

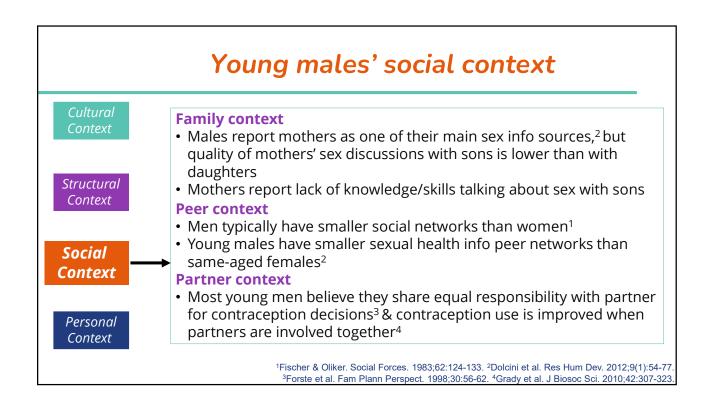
Chandra et al. NSFG. 2006-10; Alexander et al. Jama Peds. 2014; 168:163-9.

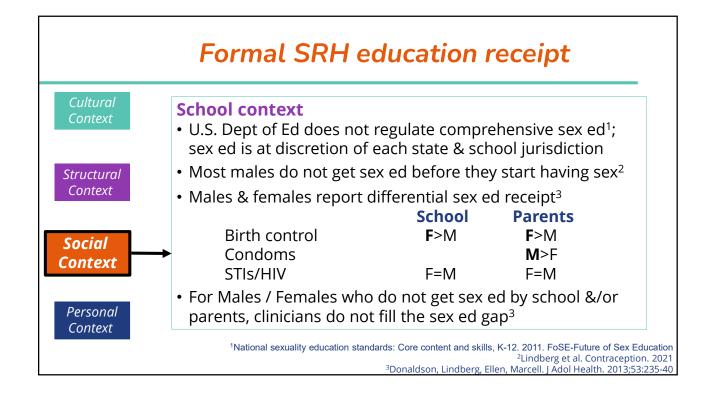




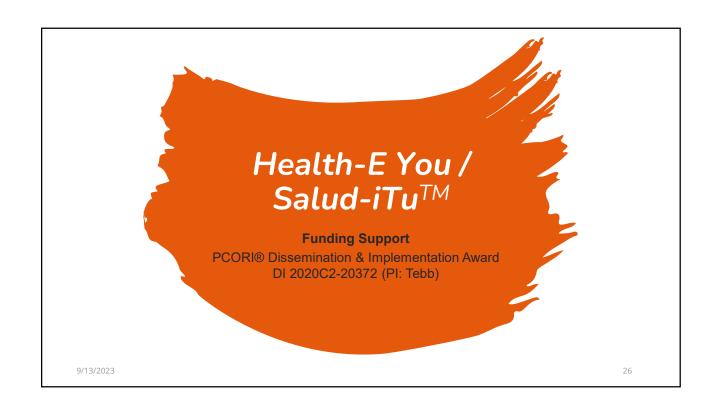
	Young males' SRH	care	receipt		
	Ages 15-24 across 7 clinics, E	Baltimo	re 2014-16		
Cultural Context	Majority of sexually active SRH care receipt & items		Sexually Yes %	y active Never %	
Structural	young males reported being asked about sex & STI test hx, & past STI/HIV tests, counseling	History questions about	Sex Sex with women/men/both Straight/gay/bisexual Type of sexual behavior Number sexual partners Condom use at last sex	75 59 75 77 84	41 28 44 34 16
Context Social	 Far fewer were asked about Sexual orientation Family planning 		Family planning Plans for having children Partner uses birth control Ever gotten someone pregnant STI/HIV test Tested for HIV Tested for STI	38 41 49 79	22 9 6 28 19
Context Personal Context	 Counseling about condoms & pregnancy prevention, emergency contraception Given condoms 	Labs/ Material	Tests HIV STI other than HIV Materials Condoms Lubricant	67 65 57 33	38 16 19 9
	 <1 in 10 received all recommended SRH services 	Counseling	Reducing STI/HIV risk Using condoms correctly Preventing pregnancy Emergency contraception	73 52 51 47	41 22 41 12
Received all 18 recommended SRH care 9 Marcell et al. J Adol H					











Health-E You/Salud iTu™

- Adolescents & clinicians wanted a contraceptive decision-making support app
- Adolescents stated existing websites were hard to find, confusing & geared to older women





Developed in **partnership** with adolescents, providers and CBOs

- Advisory Boards (Youth & Community)
- Focus groups
- Interviews
- Usability Testing
- Pilot Testing
- Efficacy testing (CRCT)
- NOW Implementation & eval



Health-E You/Salud iTu™

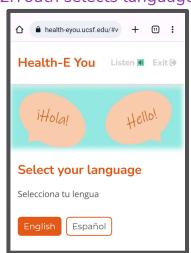
Health-E You: interactive, individually tailored, web-based mobile health application (app)

- Offloads education from clinician to computer with individually tailored messaging & content
- Prepares youth & clinician for visit (more efficient & effective use of time)
- Supports patient-centered contraceptive care
- Incorporates a social justice framework: emphasizes choice & access



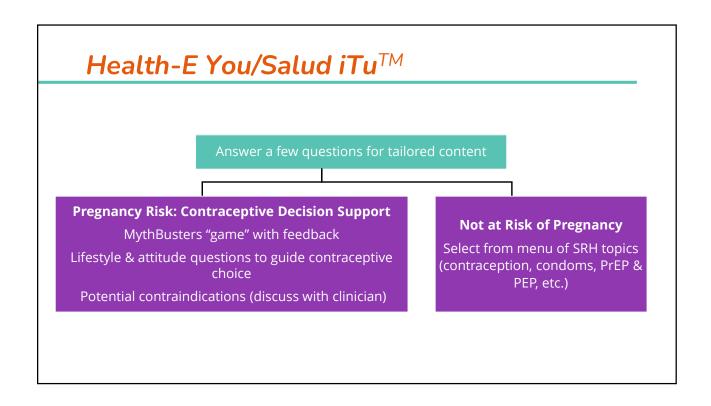
Health-E You/Salud iTuTM

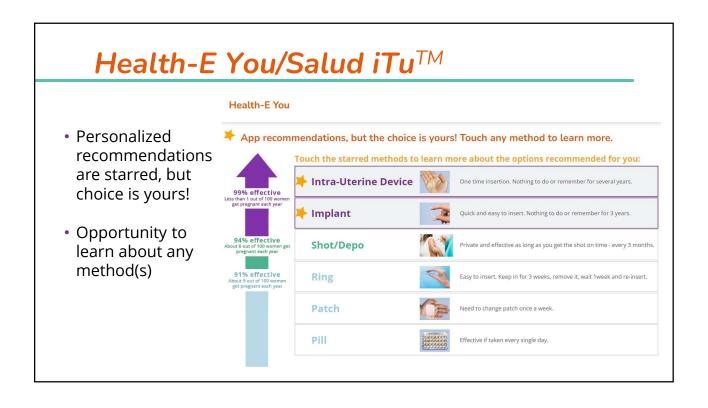
- 1. Clinic provides youth link to app
- 2. Youth selects language

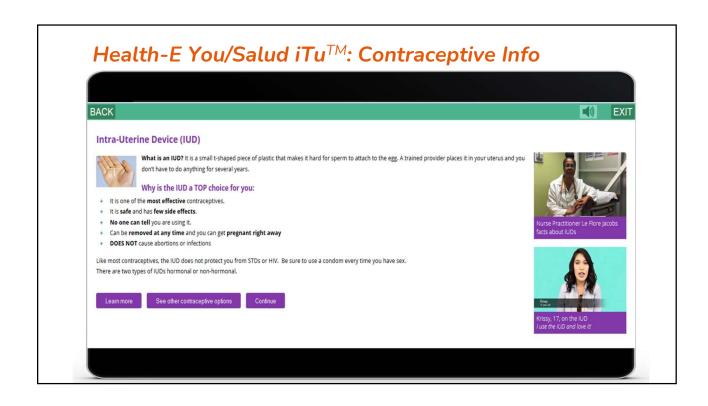


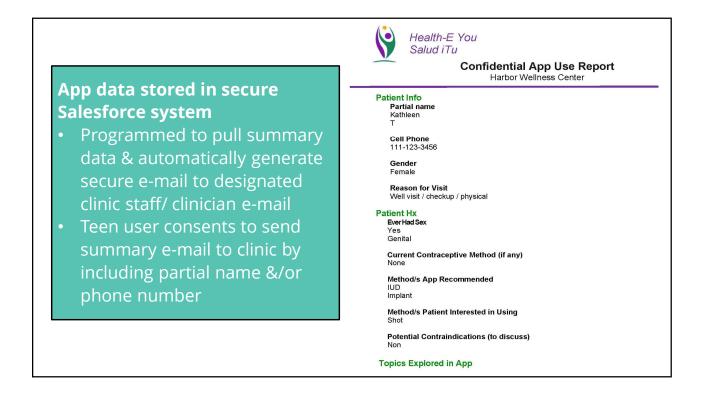
3. Select State & clinic











Cluster Randomized Control Trial (CRCT)

- CRCT of 18 SBHCs in LA
- 18 SBHCs randomized to use app or standard of care
- Intervention routed to app; controls to sexual health survey
- Online follow-up surveys at 48 hour, 3- & 6-months post-visit

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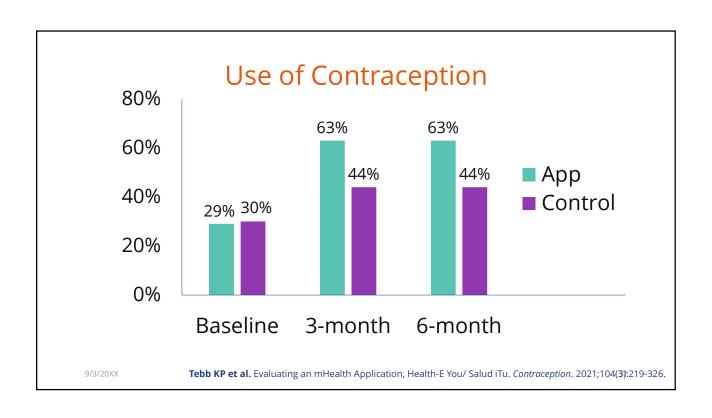
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CRCT Results

- N=1,360 sexually active Latinas (684 intervention; 676 control)
- Mean age = 16.4yrs
- We saw significant increases in contraception knowledge, self-efficacy, clinician discussions, & use

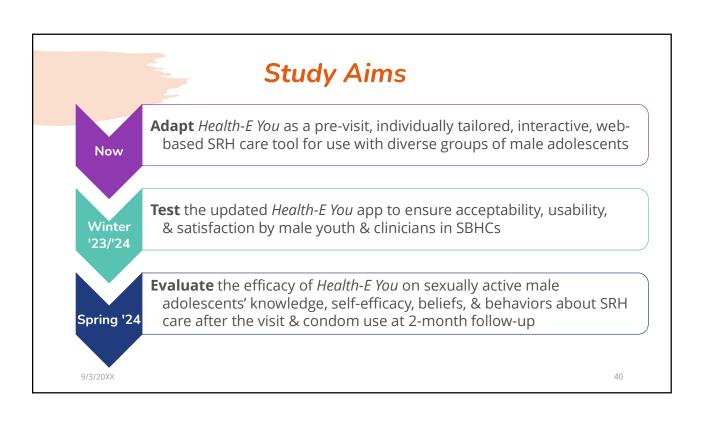
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Tebb KP et al. Evaluating an mHealth Application, Health-E You/ Salud iTu. Contraception. 2021;104(3):219-326.











The Health-E You study How can your clinic get • Partner with us to pilot test Health-E You in your clinic! involved? • Get hands-on support to implement a tool to What's in it for your strengthen youth SRH care in Maryland clinic? • Incentives available for youth & clinic participants • Implement Health-E You with your patients What would be • Clinicians will be invited to participate in de-brief expected of your clinic? sessions • Recruitment, data collection, follow-up, participant What is Hopkins' role? gifts, training, technical assistance, & more! 9/3/20XX

The Health-E You study cont.

What would implementation at your clinic look like?

- Work with clinic champion to ID easiest way to implement
- The app can be used for all genders on any device connected to the internet
- QR code links to informed youth consent & the app
- Brief patient summaries are shared with clinician in real time

9/3/20XX 4



Other resources by our team

Health-E You / Salud iTu™

https://healtheyouinfo.ucsf.edu

Contact: Drs. Arik V. Marcell, Kathleen Tebb

Y2CONNECT

Comprehensive youth-resource guide for Baltimore City Contact: Dr. Arik V. Marcell



True You Maryland

Community-wide youth sexual health support in rural Maryland counties Contact: Dr. Annie Smith



text4FATHER

Text messaging intervention for expectant fathers from mid-pregnancy through early infancy period

Contact: Dr. Arik V. Marcell

Contact: Dr. Arik V. Marcell

Summary

Data from Maryland show male youth have significant SRH needs, particularly LGBTQ+ youth

Male sexual health is shaped by factors across multiple levels

- Cultural scripts about masculinity & gender
- Structural de-emphasis of male SRH
- Social factors through schools, families, peers, & partners
- Individual-level knowledge, attitudes, & behaviors

We hope *Health-E You*, our web-based mobile app, can positively influence the SRH of all youth – including males – through SBHCs

9/3/20XX 46

Thank you

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Maryland Department of Health, Maternal & Child Health Bureau

Maryland Assembly for School-Based Health Care







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9/3/20XX 48