

Impact of COVID-19 on Postdoctoral Training Programs

Maria Trent, MD, MPH

Adolescent Medicine Fellowship/T32 Training Director

Bloomberg Professor of Pediatrics and American Health

NICHD T32HD052459



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M E D I C I N E

Objective

- Use JHU Program as a case study in COVID-19 Impacts on Post-Doctoral Programs

National Lens Grounds Local Perspective for JHU Case Study

Methods

Qualitative data sought from 31 AM Program Directors Across the United States using the SAHM program director's listserv. Includes programs with T32 funding (2) and 7 HRSA-funded programs. Respondents submitted email summaries of impact evaluated by themes. Follow-up performed to clarify issues related to research.

Themes

- Clinical Work (Reduced in AM, increased general, Complexity AM, Shift for virtual care)
- Research Stalled/Transition to other types of research or training activities
- Personal/Family stress/Isolation/Fear of illness
- Limited professional opportunities (Meetings, Jobs)

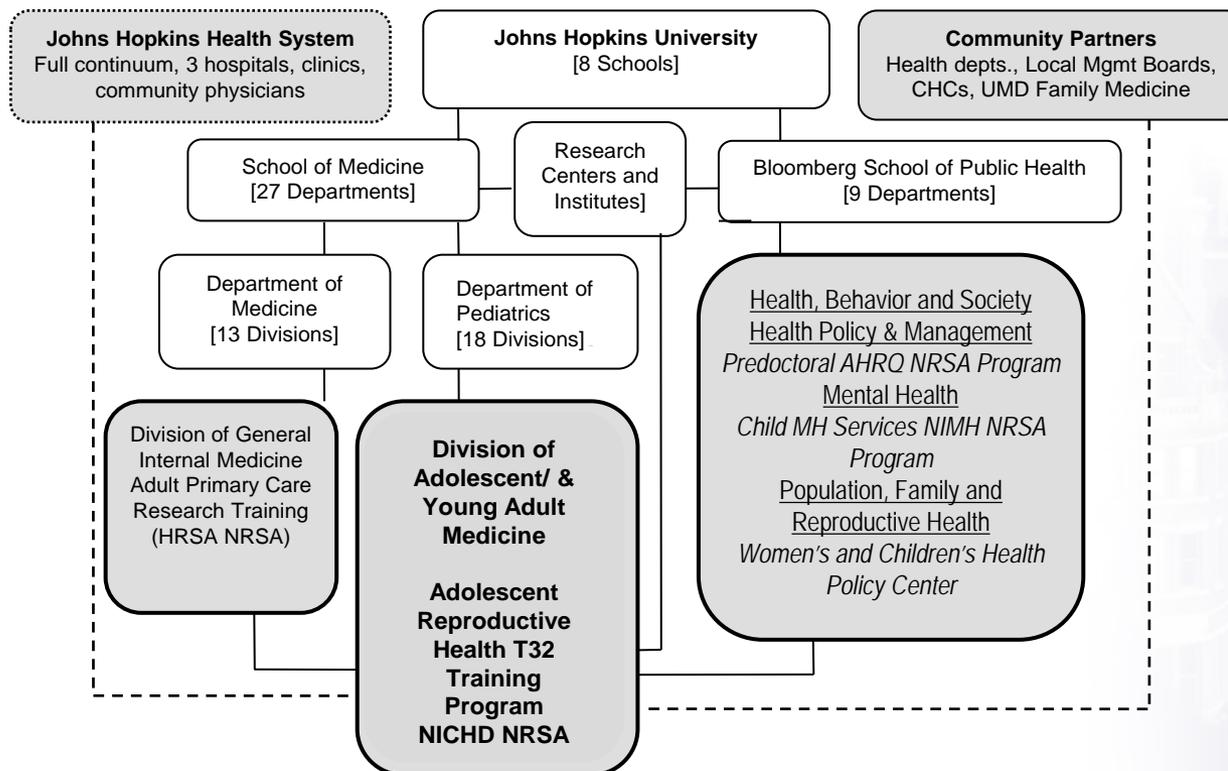
Mission



- The mission of the JHU Adolescent Medicine training program is to develop the next generation of leaders in interdisciplinary approaches to adolescent health promotion and disease intervention/prevention with a primary goal of reducing health disparities.
- The infrastructure of the T32 provides physician with the skills, knowledge, and experience necessary to build upon scientific advancements across related disciplines begin careers as clinician-scientists.
- Collaborate with scientists across institutions and JHU schools.

Fellowship Program In Context of JHU, JHHS, and the Community

Figure 1. Fellowship Program in the Context of the Johns Hopkins University, the Johns Hopkins Health System, and the Community



Program Contacts

AM Fellowship/ Director

Maria Trent, MD, MPH
Errol Fields, MD, PhD, MPH (APD)

Research Director

Pamela Matson, PhD, MPH

CAYAH Clinic/Title X

Director

Arik Marcell, MD, MPH

Core AM Training Faculty

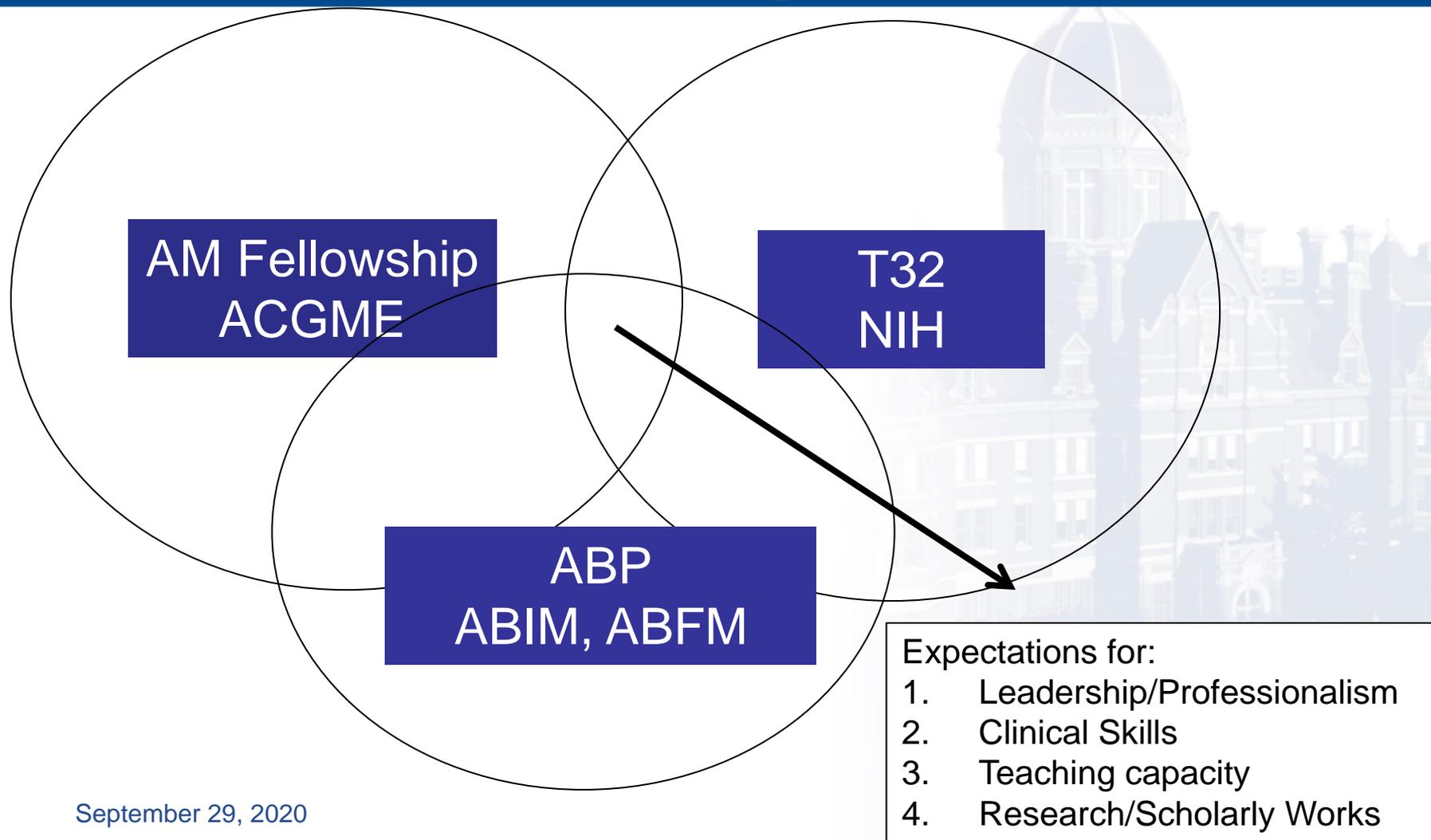
- Hoover Adger, MD, MPH, MBA [Director Addiction Medicine Program]
- Errol Fields, MD, MPH, PhD [Associate Fellowship Director, Co-Dir Emerge]
- Tisha James, LCSW-C [Social Work Faculty]
- Judith Kandel, BSN, MPH, CPNP [Nursing Faculty]
- Arik Marcell, MD, MPH [Clinic Dir., Chair, Clinical Competence Committee]
- Pamela Matson, PhD, Research Director
- Renata Sanders, MD, MPH, MSc [Clinic Director IPC, Co-Dir Emerge]
- Peter Rowe, MD [Director Chronic Fatigue Clinic]
- Kathy Tomaszewski, RN [Clinical Nurse Manager]
- Maria Trent, MD, MPH [T32/Fellowship Training Director, Division Chief]



Interdisciplinary T32 Training Faculty

- Tina Cheng
- Charlotte Gaydos
- Sara Johnson
- Jacky Jennings
- Peter Rowe
- Allison Agwu
- Margaret Moon
- Arlene Butz
- Erica Sibinga
- Roma Vasa
- Christopher Beyrer
- Anne Burke
- Robert Blum
- Maria Wawer
- Susan Sherman
- Ronald Gray
- Anne Burke
- Thomas Quinn
- Cynthia Minkovitz
- Alain Joffe
- Terry McCambridge
- Mychelle Farmer
- Joshua Sharfstein
- Ann Bruner
- Phyllis Sharps
- Laura Caulfield
- Nicholas Ialongo
- Heather Chapman
- Lana Lee
- Roland Thorpe
- George Dover
- David Levine
- Geetanjali Chander
- Harolyn Belcher
- Marc Fishman

Educational Bar for JHU Adolescent Medicine Fellows is High!



Graduate Training Programs in Clinical Investigation

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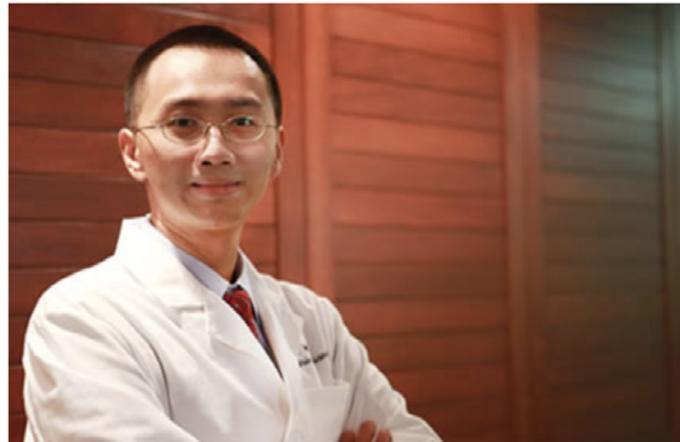
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OUR PEOPLE



N. Franklin Adkinson, Jr.

MD
Program Director

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The Graduate Training Programs in Clinical Investigation (GTPCI) are the first of their kind.

A joint venture between the Johns Hopkins Bloomberg School of Public Health and the Johns Hopkins School of Medicine, GTPCI trains

NEWS & EVENTS

[The Science of Clinical Investigation Training Program \(SOCIT\)](#) is now available online!

TOP DOCTORS 2018

Baltimore

SPECIAL MEDICAL ISSUE

(EXCLUSIVE SURVEY)

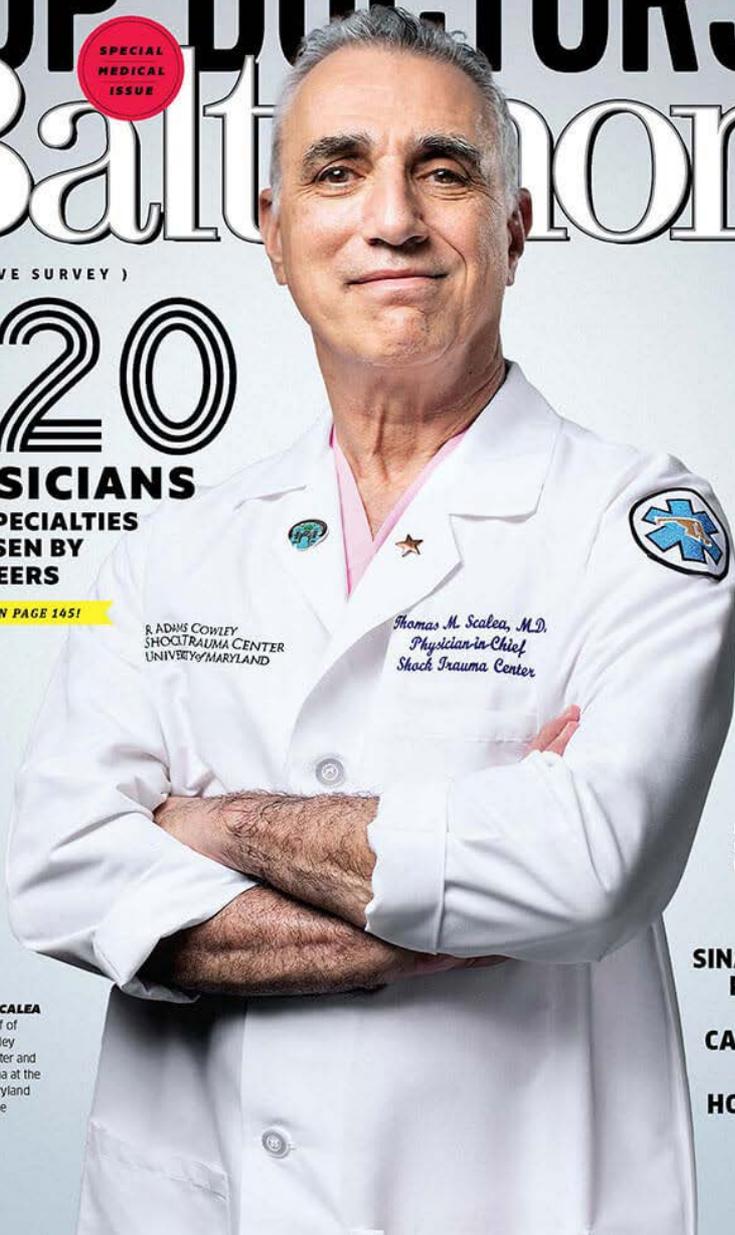
2018

NOVEMBER 2018

720

PHYSICIANS
IN 127 SPECIALTIES
AS CHOSEN BY
THEIR PEERS

SEE OUR LIST ON PAGE 145!



R ADAMS COWLEY
SHOCK TRAUMA CENTER
UNIVERSITY OF MARYLAND

Thomas M. Scalea, M.D.
Physician-in-Chief
Shock Trauma Center

DR. THOMAS SCALEA
Physician-in-Chief of the R Adams Cowley Shock Trauma Center and professor of trauma at the University of Maryland School of Medicine



**SINAI HOSPITAL
PRESIDENT'S
CHILDHOOD
CANCER SCORE**

PAGE 164

**HOMEOPATHY:
MYTH OR
MEDICINE?**

PAGE 158



Helping Transgender Children and Youth

The Emerge team: Adolescent medicine specialist Errol L. Fields, clinical psychologist Kathryn Van Eck, nurse coordinator Kathy Tomaszewski, adolescent medicine specialist Renata A. Sanders, pediatric social worker Tisha James.

Adolescent & Addiction Medicine



University of Pittsburgh
Department of Medicine



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USU

Uniformed Services University



Fundraising (Virtual)



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Rachel Alinsky, MD, MPH-Graduated

6/30/2020



Current Position:
Assistant Professor of Pediatrics
Teaching Attending, AYA Medicine
Johns Hopkins SOM

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Medicine Pediatrics
Massachusetts General Hospital/Harvard
Medical School
Mentors: Adger/Matson
Research Topic: Substance Abuse Health
Policy/Intersection Reproductive Health
Accomplishments
Best Abstract Award, AMERSA
Scholarship JHSPH MPH Program
Chief Fellow, Adolescent Medicine (8/1/19)
Finalist, New Investigator Award, SAHM 2019
& 2020
Delta Omega, JHSPH 2019 MPH Graduate
CSAHM, Treasurer
Alcohol and Drug Abuse Committee, SAHM
Francis Schwentker Award, JHCC

Motherhood During COVID



- Maternity leave during the peak of COVID-19
- Vulnerable as a fellow with Medicine-Pediatrics Training given demands on adult units
- Trying to complete requirements of fellowship
- Transition to new job
- Commutes from DC
- Find safe childcare for family with two working parents

Current Fellows



Annemarie Swamy, MD,
PhD
University of Kentucky
School of Medicine
Pediatric Residency
Training Program
Mentors: Rowe/Trent



Faye Korich, MD
UCSF Benioff Children's
Hospital Oakland
AM Mentor: Fields



Jen Makrides, MD
Oregon Health &
Science University
AM Mentor: Marcell



Catherine Silva, MD
University of Florida
AM Mentor: Adger/Trent

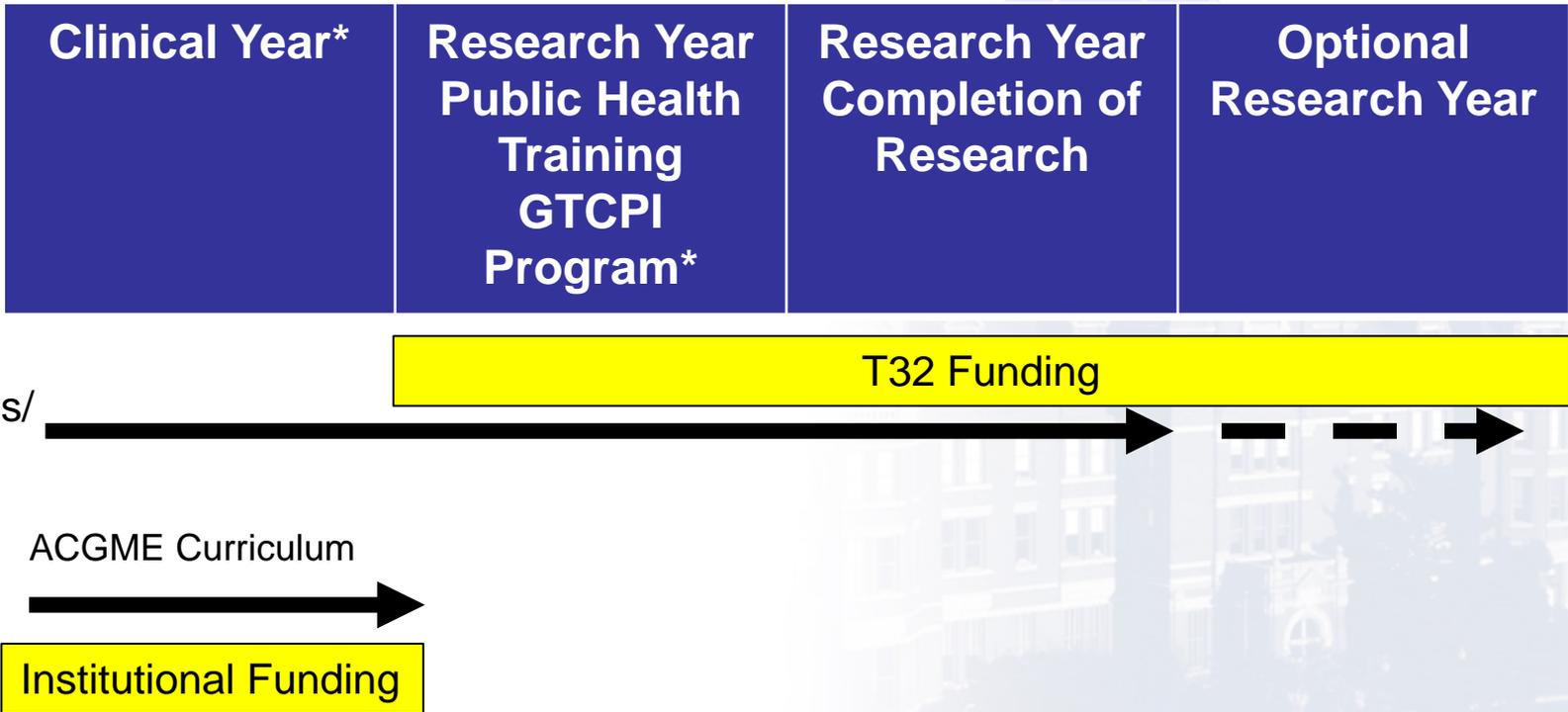
Life Transitions



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Program Design



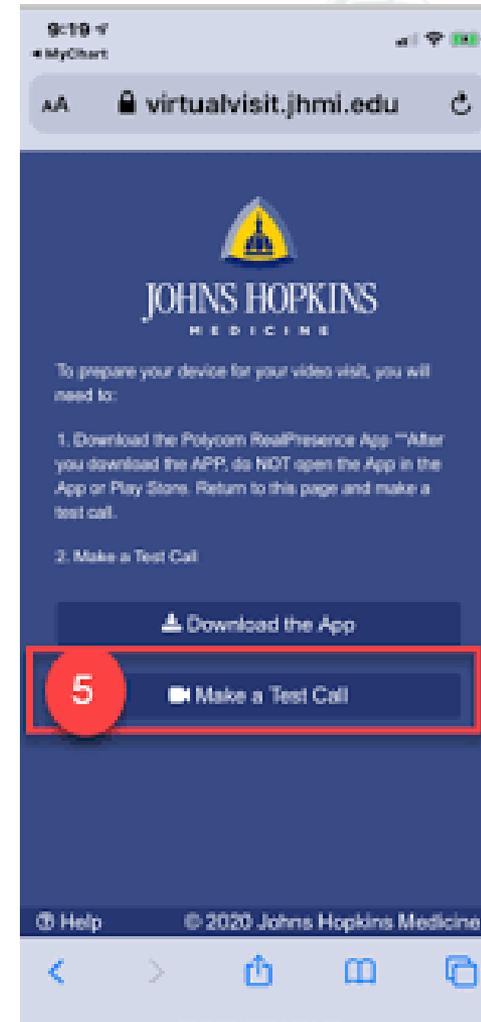
Program Design

Online PH Coursework JHSPH
 Human Subjects research halted
 New Processes for approved studies
 Staffing limitations regarding space



Core Rotations Canceled
 SBHC Closed/Contract Unpaid
 Clinical Volume <50%
 Inpatients higher acuity

Rapid Transition to Telemedicine



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COVID-19 Learning Changes

- Accredited Adolescent Seminar [3 hours/wk]
 - Grand Rounds [Faculty Experts]
 - Case Conference
 - Journal Club
 - Research Round Robin
 - Fellow Updates
 - Fellow Feedback
 - Cultural Competency Training
- General Pediatrics-Adolescent Medicine Joint Fellow Seminar
- Adolescent Medicine-Endocrine Rounds
- Faculty/Fellow Meetings
 - Group [bimonthly]
 - Individual meetings
- JHSPH Coursework



Weekly Support from GME Office: Program Directors Meeting

Online recruitment resources



- Newly revamped GME Office website:
<https://www.hopkinsmedicine.org/som/gme/index.html>
- Video with Hopkins GME overview, JHH & Bayview tours launching soon



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Research



Except for Oncology & COVID-19 Related Research

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Research Impact



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Essential information for Human Subjects Research Teams Related to COVID-19

Last Updated August 25, 2020

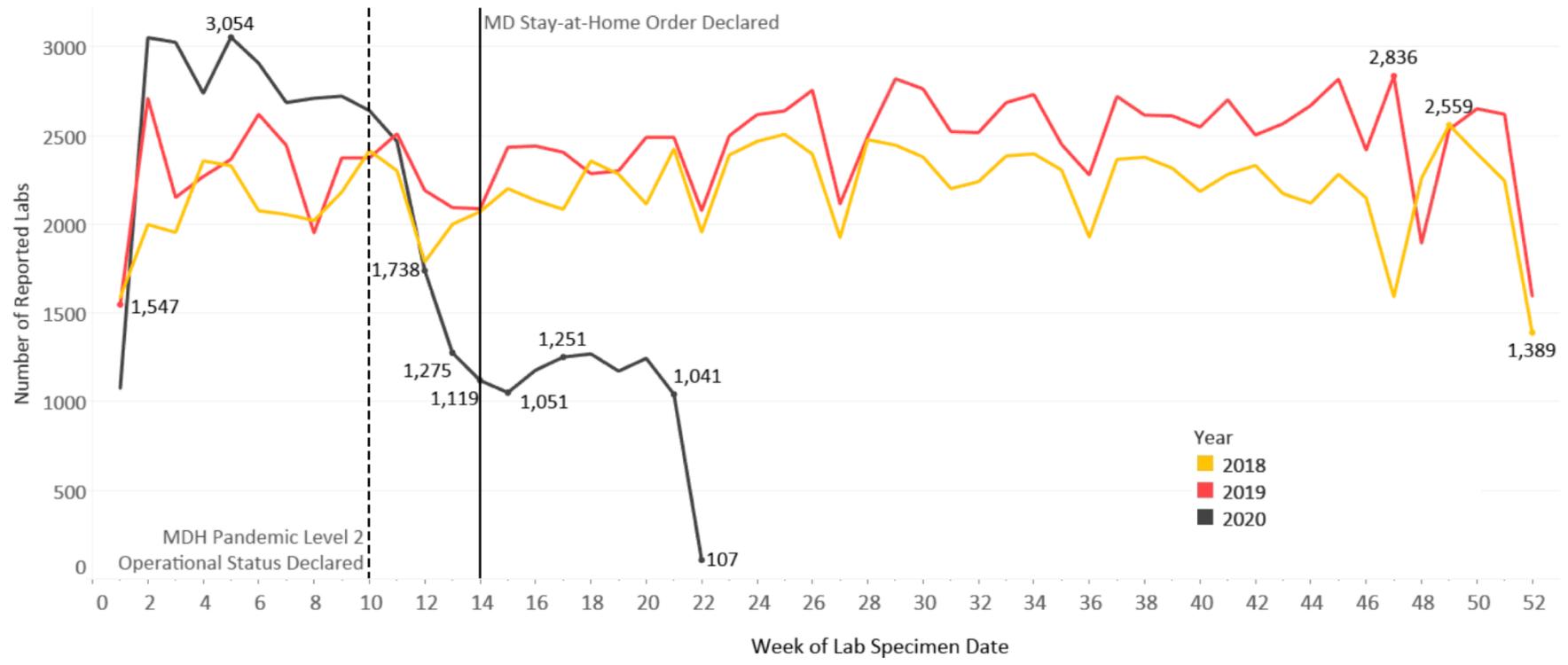
As we make decisions on how to respond to the COVID-19 infections we want to begin by stating that our primary concern is the safety of our research participants and the research team members who work for Johns Hopkins University and Health System. Our secondary goal is to preserve the scientific integrity of the research protocols.

For the most up-to-date information visit the links below:

[Resuming In-Person Activities and New Enrollment](#)

The University is now in Phase 1 of resuming research activities involving in-person interaction with human participants. As of August 3, 2020, the types of research activities eligible to be opened for in person interaction/new enrollment in Phase 1 will be expanded.

Number of Reported Chlamydia, Gonorrhea, and Syphilis Labs* by Week and Year of Specimen Date, Maryland, 2018 - 2020



*Lab results are based on date of specimen collection. Result date used where specimen date is missing.
 Source: Maryland Department of Health, Center for STI Prevention - May 28, 2020



Meetings Canceled, Postponed, Virtual

SAHM 2020
Annual Meeting

MARCH 11-14 | SHERATON SAN DIEGO



Pediatric Academic Societies Meeting
April 29-May 6, 2020 | Philadelphia, PA

April 29-May 1 • Pre-Conference Events | May 2-5 • PAS Meeting | May 6 • Post-Conference Events

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International Association for
Adolescent Health

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SAHM Mentoring Forum (Virtual Support)



Blood EA, Trent M, et,al. *Matern Child Health J.* 2015;19(2):308-313. doi:10.1007/s10995-014-1619-4

Use Technology to Keep Teams Together



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Keep Fellows on Track: Disseminate

REVIEW



***Mycoplasma genitalium* and *Trichomonas vaginalis*: addressing disparities and promoting public health control of two emerging sexually transmitted infections**

Faye Korich^a, Neha G. Reddy^b, and Maria Trent^a

Purpose of review

Mycoplasma genitalium (*M. genitalium*) and *Trichomonas vaginalis* (*T. vaginalis*), sexually transmitted infections that remain non-reportable in the United States, may lead to pelvic inflammatory disease (PID) and adverse pregnancy outcomes if left untreated. Prevalence estimates have highlighted socioeconomic and racial/ethnic disparities in rates of infection. This review summarizes the recent literature on *M. genitalium* and *T. vaginalis* with a focus on the epidemiology, screening, and treatment of *M. genitalium* and *T. vaginalis*.

Recent findings

The burden of *T. vaginalis* testing remains on women. Antimicrobial resistance is of great concern for *M. genitalium*. Comprehensive screening and treatment guidelines present an opportunity to address these public health concerns.

Summary

M. genitalium and *T. vaginalis* infections disproportionately affect sexual and racial/ethnic minorities and those facing socioeconomic disparities. The availability of nucleic acid amplification test testing has facilitated accurate diagnosis of both disorders. Safe and efficacious treatments are available for treatment of both disorders. Integrating macrolide resistance testing into treatment algorithms for *M. genitalium* and dual antibiotic therapy may prove a useful strategy for future US-based guidance. Public health reporting and increased public awareness campaigns are key next steps to addressing the observed reproductive health disparities.

Keywords

disparity, guidelines, *Mycoplasma genitalium*, treatment, *Trichomonas vaginalis*

Opioid Use Disorder Treatment Facilities With Programs for Special Populations - PubMed

Facilities With Programs for Special Populations - American

AJPM American Journal of Preventive Medicine



RESEARCH ARTICLE | VOLUME 59, ISSUE 3, E125-E133, SEPTEMBER 01, 2020

Opioid Use Disorder Treatment Facilities With Programs for Special Populations

Scott E. Hadland, MD, MPH, MS • Victoria A. Jent, MAS • Rachel H. Alinsky, MD, MPH • Brandon D.L. Marshall, PhD •

Pia M. Mauro, PhD • Magdalena Cerdá, DrPH, MPH

Published: May 21, 2020 • DOI: <https://doi.org/10.1016/j.amepre.2020.03.022> • Check for updates

JOURNAL OF
ADOLESCENT HEALTH

Improving the Lives of Adolescents and Young Adults



ORIGINAL ARTICLE | ARTICLES IN PRESS

Adolescent-Serving Addiction Treatment Facilities in the United States and the Availability of Medications for Opioid Use Disorder

Rachel H. Alinsky, M.D., M.P.H. • Scott E. Hadland, M.D., M.P.H., M.S. • Pamela A. Matson, M.P.H., Ph.D. •

Magdalena Cerdá, DrPH, M.P.H. • Brendan Saloner, Ph.D.

Published: April 24, 2020 • DOI: <https://doi.org/10.1016/j.jadohealth.2020.03.005>

Improving Adolescent Access to Health Services Using the JH-HUBLyft Program

- Engagement in routine preventive health services declines considerably during this time as acute visits predominate
- Transportation is a major limitation for adolescent health seeking behavior
 - Baltimore's bus and rail system is limited
 - Compounds issue for low income youth
- Existing JHU safe ride program with Lyft for students
- Evaluate impact of institutionally supported rideshare service on receipt of well adolescent/young adult care

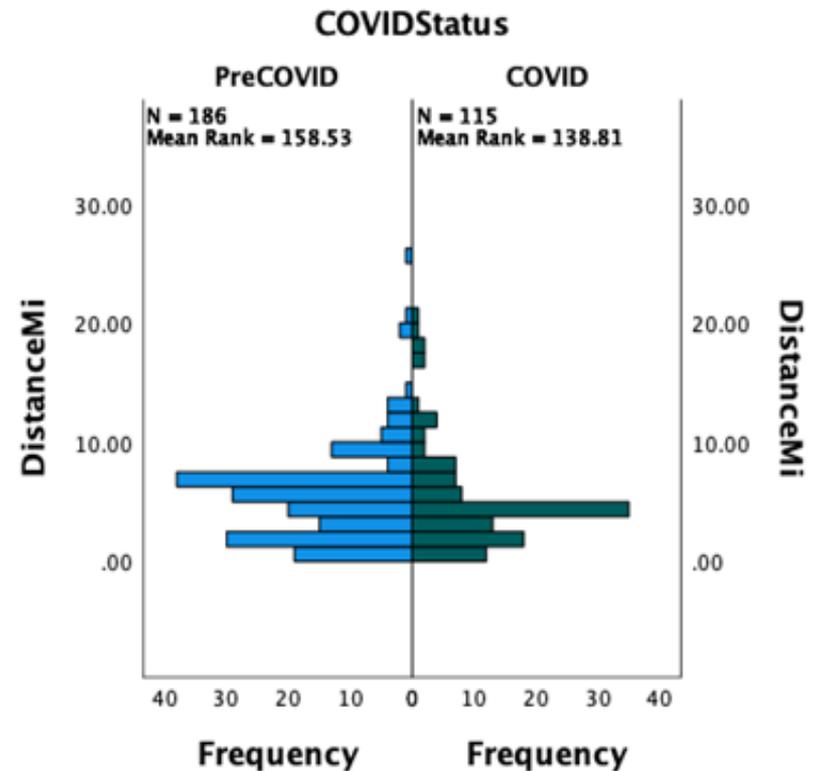
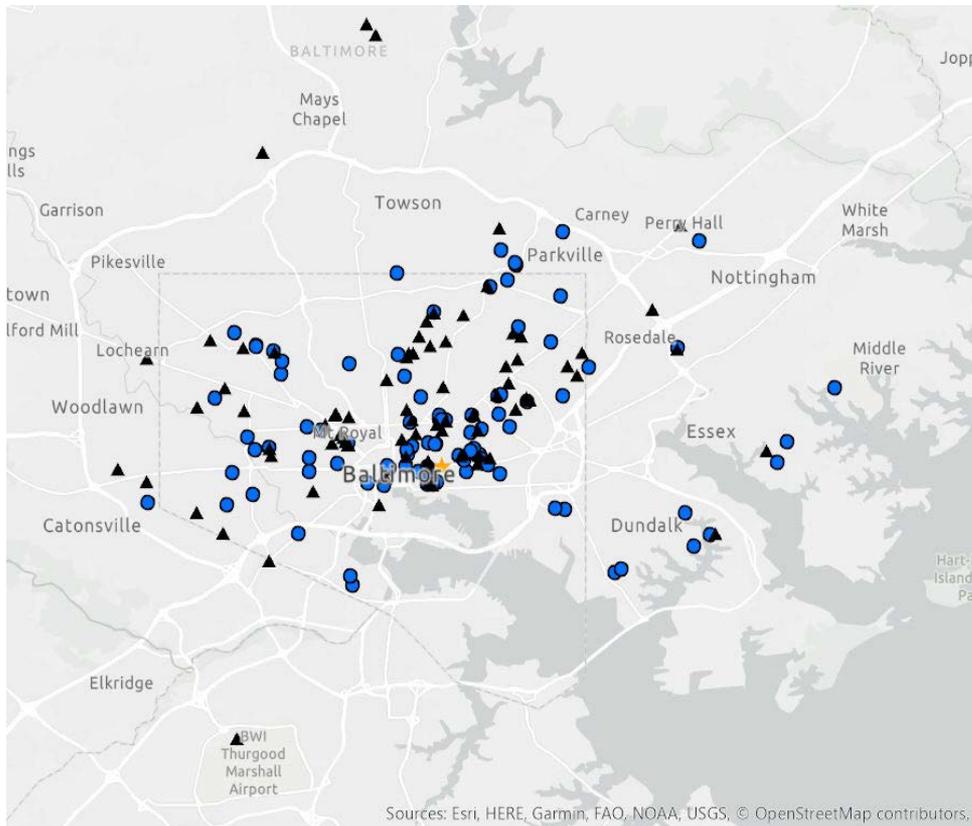


Shift Focus

- Re-think Aims/Program Evaluation/Analysis
 - Pre/During COVID service utilization
- No-cost extension from Hospital
 - Clinical services reduced
 - Original grant ended 6/30/20
- Update IRB
 - Change focus of work to include geocoding analyses (PHI)
 - Patient satisfaction Qualtrics

Impact of COVID on Rideshare Program

Learning New Statistical Software and Methods Geographic Analysis



Secondary Data Analysis: STI/HIV Testing and Contraception Care Receipt among Sexually Active Adolescents Who Are Women of Color Who Have Sex with Women

Table 1. Sex of sex partner & self-identified race/ethnicity by SRH care receipt during last 12 months among sexually active females aged 15-19 (N=1637)

Characteristics	Total N ^a	STD test receipt		HIV test receipt	
		% (95% CI) ^b	aRR (95% CI) ^c	% (95% CI) ^b	aRR (95% CI) ^c
Sex of sex partner					
Opposite-sex only	1,218	27.9 (23.9-32.2)	Ref	17.9 (15.1-21.1)	Ref
Same-sex only	72	2.6 (0.7-9.4)	0.09 (0.02-0.34)***	0.5 (0.1-3.8)	0.03 (0.00-0.24)**
Both sexes	347	34.3 (27.6-41.7)	1.32 (0.67-2.60)	25.5 (19.9-32.0)	1.37 (1.04-1.81)*
Race/ethnicity					
Non-Hispanic White	719	28.2 (23.0-34.0)	Ref	14.0 (10.9-17.8)	Ref
Non-Hispanic Black	395	34.0 (27.1-41.6)	1.18 (0.59-2.36)	31.6 (24.8-39.3)	2.15 (1.55-2.98)***
Hispanic	454	25.4 (20.7-30.8)	0.71 (0.46-1.10)	20.8 (16.5-25.8)	1.29 (0.91-1.81)
Other	69	15.6 (9.3-24.9)	0.43 (0.23-0.81)	10.4 (5.8-18.0)	0.78 (0.43-1.40)
		Contraception counseling receipt		Contraception method receipt	
		% (95% CI) ^b	aRR (95% CI) ^c	% (95% CI) ^b	aRR (95% CI) ^c
Sex of sex partner					
Opposite-sex only	1,218	28.9 (25.1-33.0)	Ref	51.3 (47.0-55.6)	Ref
Same-sex only	72	7.8 (4.4-13.3)	0.27 (0.15-0.48)***	6.5 (3.7-11.1)	0.13 (0.07-0.24)***
Both sexes	347	27.9 (21.8-35.0)	0.98 (0.75-1.27)	45.8 (37.3-54.4)	0.90 (0.73-1.09)
Race/ethnicity					
Non-Hispanic White	719	28.9 (23.5-34.9)	Ref	56.8 (51.4-62.1)	Ref
Non-Hispanic Black	395	27.1 (21.5-33.5)	0.97 (0.72-1.31)	41.0 (33.5-49.0)	0.75 (0.59-0.94)*
Hispanic	454	27.0 (21.9-32.9)	0.92 (0.66-1.28)	35.1 (28.9-41.9)	0.64 (0.51-0.81)***
Other	69	22.3 (11.7-38.3)	0.79 (0.43-1.45)	43.9 (27.3-61.9)	0.82 (0.53-1.27)

^aUnweighted; ^bWeighted; ^cPoisson regression analysis adjusting for urbanicity, age, & mom's highest education level

*p<.05; **p<.01; ***p<.001



Support our Graduates: Two Just Received K23 Awards!



Community Engagement

CORONAVIRUS

15-year-old Baltimore County girl dies after testing positive for coronavirus, the first pediatric death

By LILLIAN REED
BALTIMORE SUN | MAY 19, 2020 AT 7:12 PM



September 29, 2020



Supporting Adolescents and Young Adults During COVID Town Hall w/ the Adolescent/Young Adult Medicine Team Tuesday, 5/26/2020 6PM

Please click this URL to join: <https://jhjhm.zoom.us/j/94144260173>



Johns Hopkins Connects was live.

10 hrs · 🌐

Join us for this Baltimore Teen Hall Town Hall on the topic of Sexual and Reproductive Health: What You Need to Know

Town Hall for Teens Sexual and Reproductive Health: What You Need to Know

MARIA TRENT, M.D.,

Chief, Division of Adolescent/Young Adult Medicine,
Director, Adolescent Medicine Fellowship/T32 Training,
Professor of Pediatrics, Public Health, & Nursing
Johns Hopkins University Schools of Medicine, Public Health
and Nursing
Johns Hopkins Children's Center, Rubenstein Building

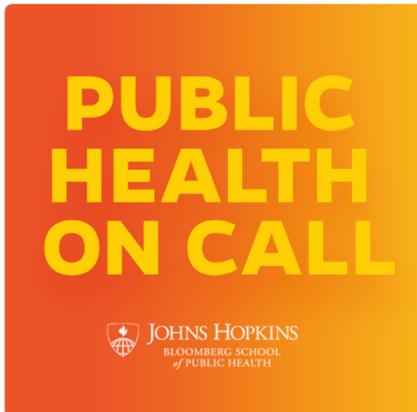


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1 Comment 6 Shares 225 Views

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20 min

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098 - The Impact of Racism on Child and Adolescent Health

Public Health On Call

News

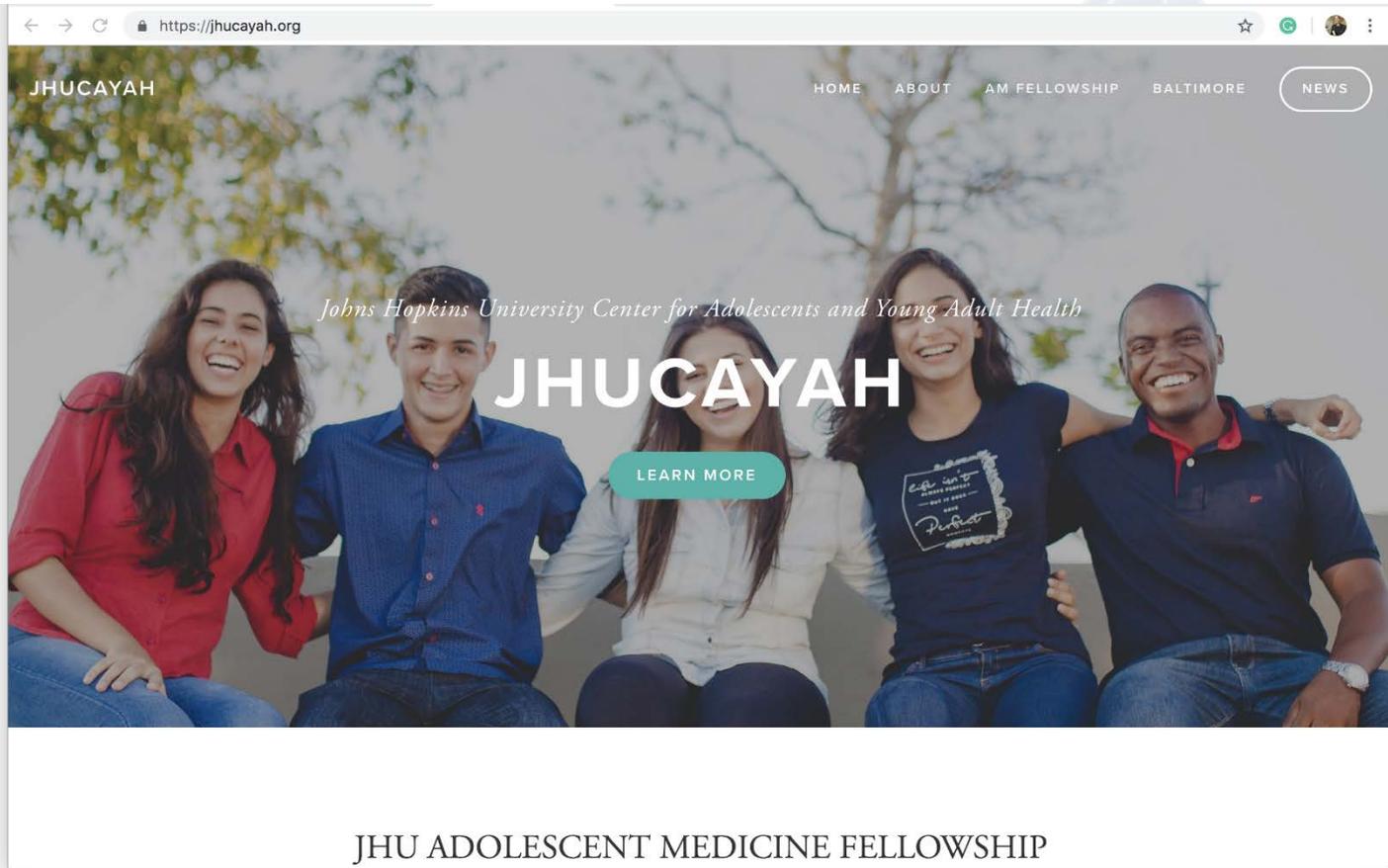
[Listen on Apple Podcasts ↗](#)



A year ago, the American Academy of Pediatrics released a landmark statement about the impact of racism on child and adolescent health. Dr. Maria Trent, the lead author of this statement, talks with Dr. Josh Sharfstein about the many ways that racism undermines health over a lifetime. Trent also discusses how to give pediatricians, teachers, parents, and caregivers the language and tools they need to address racism's impacts on children's safety and wellbeing.

[Episode Website ↗](#)

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JHUCAYAH HOME ABOUT AM FELLOWSHIP BALTIMORE NEWS

Johns Hopkins University Center for Adolescents and Young Adult Health

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JHU ADOLESCENT MEDICINE FELLOWSHIP

<https://jhucayah.org>

<https://www.hopkinsmedicine.org/johns-hopkins-childrens-center/what-we-treat/specialties/adolescent-medicine/index.htm>
mtrent2@jhmi.edu