## **Boston University** School of Public Health

Office of the Dean

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## School Assembly Agenda

## Tuesday January 23, 2024

- 1. Dean's update, state of the school
- 2. Spotlight on a Department, Maria Glymour
- 3. Staff senate
- 4. Faculty senate
- 5. Other

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## 1. Dean's update

Dean Sandro Galea (sgalea@bu.edu) shared the annual state of the school.

State of the School

January 23, 2024

Boston University School of Public Health





Remembering Sherri Stuver





Remembering Ralph D'Agostino





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### Mission

To improve the health and well-being of populations worldwide, particularly the underserved, through excellence and innovation in education, research, and practice.

Core purpose

THINK. TEACH. DO. FOR THE HEALTH OF ALL

An ambitious school



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having or showing a strong desire and determination to succeed

https://languages.oup.com/google-dictionary-en/

having or showing a strong desire and determination to succeed

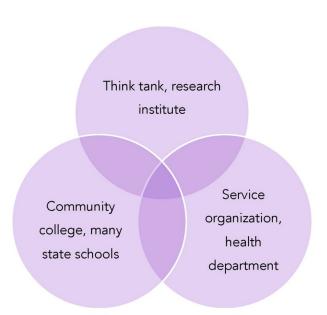
(of a plan) intended to satisfy high aspirations and therefore difficult to achieve

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What does an academic School of Public Health do?



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to encourage consequential research and evaluate its impact

#### Strategy Map 2025, 2030 Measures, 5- and 10-year targets, and tactics BU MIRROR TO SELF Strategically evaluate BUSPH's operations and activities; build capacity as necessary Faculty 20% Staff 40% Students 40% Faculty 25% Staff 45% Students 45% Implement required diversity and inclusion training for all faculty, staff, and students Form department/unit diversity and Faculty, staff, and students of 2. Fully covered faculty 90% of faculty 95% of faculty 100% of departs inclusion committees Create mentoring program for women and minorities Create systems to increase minority Additional 50% reduction waste and energy use nergy use supplement opportunities Form school-wide sustainability working group, encouraging a healthy workspace for all Apply sustainability framework to all purchasing decisions THE NEXT GENERATION Train the next generation of public health professionals Integrate opportunities for both digital and in-person learning throughout educational program Build the Select Scholars and Next Generation Scholars programs New enrollments: MPH 400, MS 100, Doctoral 30 New enrollments: MPH 450, MS 150, Doctoral 30 500 paid students annually 2. Enrollment in lifelong learning 1,000 paid students annually programs 3. Funded practica Collaborate with industry and non-traditional partners on PHX courses Partner with private organizations to fund predoctoral and postdoctoral THINK. TEACH. DO. 90% within 6 months of graduation 95% within 6 months of graduation 4. Graduate employmen 5. Alumni satisfaction with 95% of alumni satisfied 98% of alumni satisfied trainees Create development pipeline and private sector partnerships to fund practica Implement ongoing educational evaluation plan educational program 6. Postdocs working at SPH 50 postdocs 7. Engaged global partnerships SCHOLARSHIP OF CONSEQUENCE Publish and present frequently cited scholarship Nurture opportunities that seed innovative faculty scholarship Average citations per faculty over five years 2. Professional presentations 6 presentations per faculty annually Increase collaboration on research through senior-junior faculty joint grant submissions Invest in collaborations with non 3. Faculty on editorial boards 55% of faculty 60% of faculty Diversify research portfolio; partnerships with private 15% of research funding 20% of research funding traditional partners through idea hub Collaborate with partners across sectors

\$400,000 per faculty annually

\$450,000 per faculty annually

5. External funding

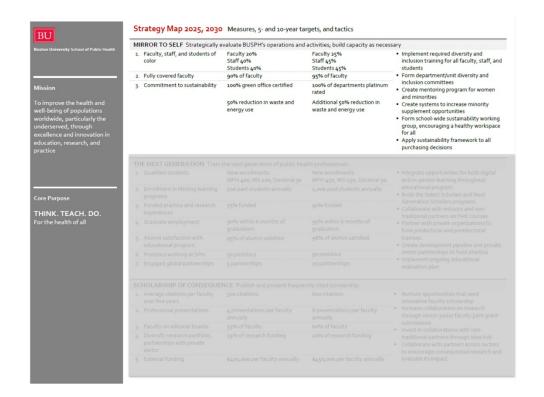
#### Strategy Map 2025, 2030 Measures, 5- and 10-year targets, and tactics ACTIVIST PUBLIC HEALTH Improve the public's health through service to the local, national, and global community Execute comprehensive strategy map for reinvigorated Activist Lab Partner with BU Days of Service to create SPH and department service activities Integrate community engagement into faculty development seminars Faculty, staff, and student-led initiatives consistent with activist public health Community members 25% of attendees 50% of attendees attending Public Health Conversations Faculty leadership on community or health organizations THE PUBLIC HEALTH CONVERSATION Lead the public health conversation locally, nationally, and globally 25 annually 15,000 attendees, annually Regularly train faculty in media 25 annually 10,000 attendees, annually relations Integrate social media workshops into faculty and staff development 30,000 subscribers 500,000 website visitors, annually SPH This Week circulation 20,000 subscribers 350,000 website visitors, annually 350,000 website visitors, annual g media mentions per faculty, annually 50,000 Twitter followers 100,000 Facebook likes 12,000 LinkedIn followers 5,000 Instagram followers 500,000 Website visitors, annual 21 media mentions per faculty, annually 100,000 Twitter followers 125,000 Enkedin followers 10,000 Instagram followers activities Media/social media imprint Execute department-based communication plans that align with SPH communication plan INVESTMENT IN THE FUTURE Ensure BUSPH is positioned for long-term financial stability Alumni who donate 8% of SPH alumni 12% of SPH alumni Continue to execute comprehensive Students who donate 50% of SPH students 75% of SPH students alumni engagement plan Host Alumni and Friends Events to Unique donors 1,500 donors 2,000 donors grow alumni base Build culture of giving for students, faculty, and staff \$15 million \$25 million THE PLACE TO BE Embody the school's values; be the best place to work and learn Formalize staff career growth opportunities Implement staff onboarding and mentoring programs Conduct exit survey for all departing faculty and staff Ensure ongoing competitive compensation for faculty and staff Conduct Annual School Review of faculty, staff, students, alumni, and employers 85% feel environment is respectful and collaborative 85% satisfied with diversity and inclusion 85% feel valued for their work go% feel environment is respectful and collaborative go% satisfied with diversity and inclusion go% feel valued for their work 2. Faculty and staff retention 80% of faculty retained for ≥ 5 85% of faculty retained for ≥ 5 years years 60% of staff retained for ≥ 2 years 75% of staff retained for ≥ 2 years

## Boston University School of Public Health

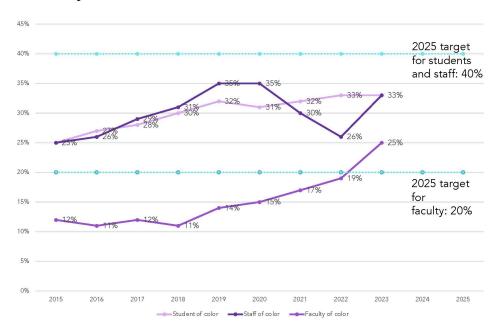
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## Faculty, Staff, and Students of Color

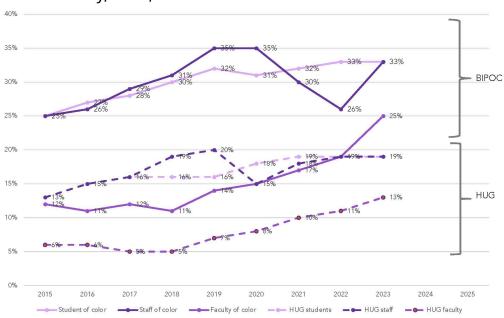


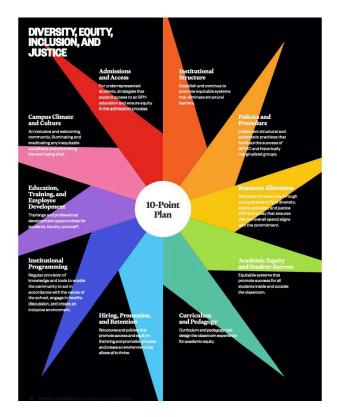
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## Faculty, Staff, and Students of Color HUG Faculty, Staff, and Students





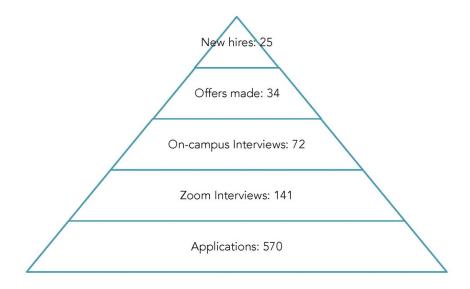
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Triennial DEIJ Educational Module Rollout

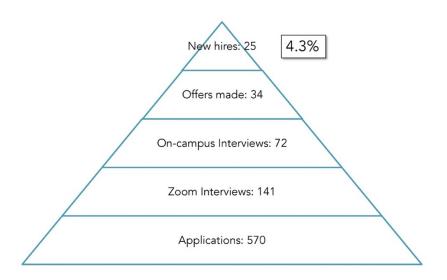
## Recruiting the best faculty in the world



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## Recruiting the best faculty in the world





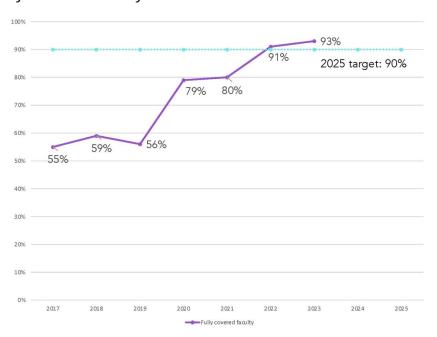




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## Fully covered faculty



### VII. Resources for Faculty Development and Advancement.

Faculty Development Seminar Series.

Faculty Awards.

Faculty Incentive Program.

Mid-Rank Review Program.

Faculty Mentoring Program.

Annual Discretionary Funds.

Sabbatical.

Pilot Award Program.

Grant Writing Program.

Phased Retirement Program.

**Boston University Medical Campus** 

Resources For Faculty Support.

Boston University Resources For Faculty Support.

External Funding Opportunites

Other Resources for Funding Opportunities for BU Faculty

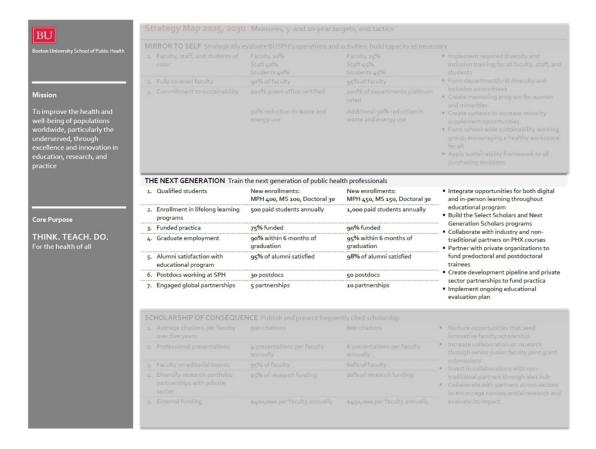


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### Incentive Payments

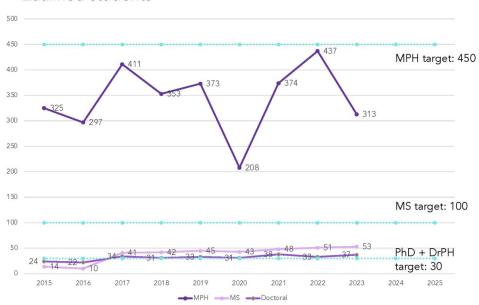
	2020	2021	2022
Faculty awarded	86	95	95
Median	\$12,302	\$10,642	\$15,774
Total	\$1.20M	\$1.55M	\$1.67M



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### Qualified students

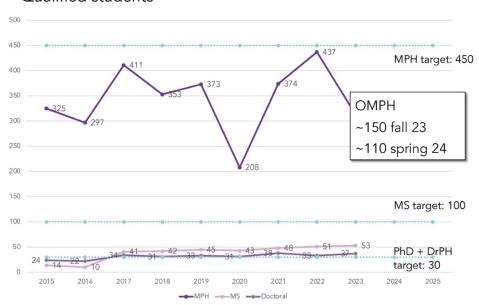




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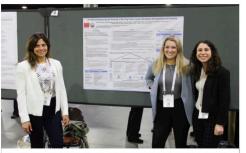
### Qualified students





Student, Ulliana Stoneback also shared her work at a poster presentation. Her project centered on exploring the role of midwives in the dynamics between maternal race and medical interventions during childbirth. Stoneback conducted this research as part of her maternal and child health research fellowship, under the guidance of Eugene Declercq, professor of community health sciences.

"I was honored to have the opportunity to present my research at APHA. It was incredible to share my work with such a large public health audience," says Stoneback. "I'm interested in pursuing a career that creates policy solutions in the maternal and child health space, and this felt like an important stepping stone for getting started."



Stacey Cunnington (COMT7, SPH22) (back right), program communication manager in community health sciences, shared her work, conducted under Jacey Greece (back lith), clinical associate professor of community health sciences, at a poster presentation. She discussed how practice—based teaching plays an essential role in preparing and building up the future public health worldforce. Cunnington's oo-author, Eva Nelson (SPH22), also dropped by to show her support for her colleague.

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### BU

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### Missior

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### ore Purpose

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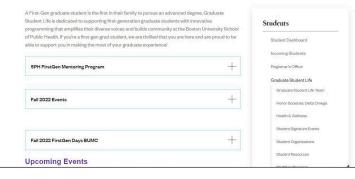
			<ul> <li>Implement required diversity and inclusion training for all faculty, staff, and students</li> </ul>
			Form department/unit diversity and
			inclusion committees  Create mentoring program for women and minorities
			Create systems to increase minority supplement opportunities  Form school-wide sustainability working group, encouraging a healthy workspace for all  Apply sustainability framework to all purchasing decisions

1.	Qualified students	New enrollments: MPH 400, MS 100, Doctor		enrollments: 1 450, MS 150, Doct	oral 30 and	<ul> <li>Integrate opportunities for both digital and in-person learning throughout</li> </ul>			
2.	Enrollment in lifelong learn programs	ing 500 paid students annuall	500 paid students annually 1,000 paid students annually educational program Build the Select Scholar				olars and Next		
3.	Funded practica	75% funded	90%			Generation Scholars programs  Collaborate with industry and non-			
4.	Graduate employment	90% within 6 months of		within 6 months of uation	tra	traditional partners on PHX courses  • Partner with private organizations to			
5.	Alumni satisfaction with educational program	93	98%	of alumni satisfied	fur	fund predoctoral and postdoctoral			
6.	Postdocs working/	-		_					
7-	Engaged global pa		2020	2021	2022	2023	2025		
			2020	2021	2022	2023	target		
	HOLARSHIP OF	Paid practica	39%	55%	55%	62%	75%		
	Average citations over five years	Taid practica	37/0	3376	3370	02 /0	7370		
	Professional prese	Post-							
	Faculty on editori	graduation	92%	93%	94%	93%	90%		
	paranetaripa men pro-	employment							
	sector				to	encourage conse	quential research an		









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SCHOOL NEWS

### SPH Assembles First Cohort of JEDI Fellows

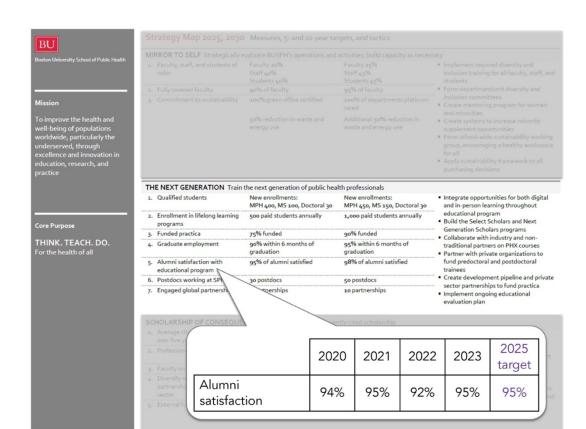
After a successful pilot, the School of Public Health officially launched the Justice, Equity, Diversity, and Inclusion (JEDI) Fellowship, welcoming nine students to its inaugural cohort. Read more.



STUDENT NEWS

### Student Aims to Boost Rates of Vaccination

As an intern at the nonprofit March of Dimes this summer, Hannah Jacobson submitted testimony at the State House in favor of a pair of bills that would end religious exemptions from vaccination. Learn more.



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AWARDS

Christine Ngo Named BU's Graduate Student Employee of the Year

Christine Ngo is a data analyst for the New England Public Health Training Center, supporting analysis of public health performance and evaluation data. Read more.



SCHOOL NEWS

Tomeka Frieson Named 2023 December Alum Speaker



STUDENT NEWS

Balancing Life as a Business Consultant and Online MPH Student

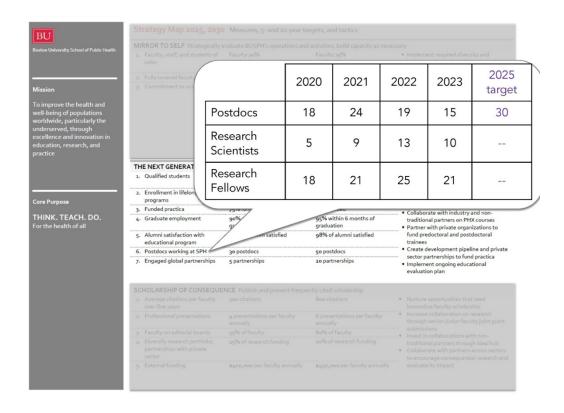


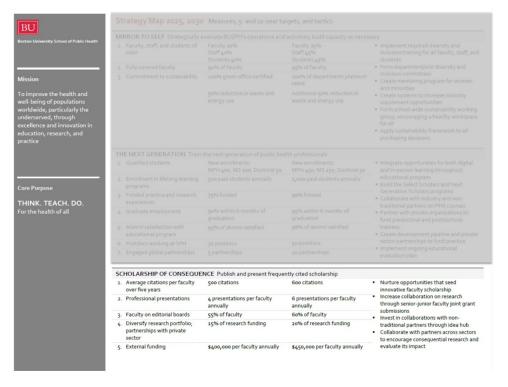
SCHOOL NEWS

Queer Alliance to 'Showcase Queer Joy and Build Community' during Pride Month

Kyla Botsian, president of SPH's Queer Alliance, discusses the meaning behind Pride Month and the student organization's plans for the upcoming academic year.







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# **Maria** Glymour Chair, Department of Epidemiology

Maria Glymour arrived at BU from the University of California San Francisco (UCSF), where she was a professor in the Department of Epidemiology and Biostatistics. She led the UCSF PhD program in epidemiology and translational science, leading multiple training grants on aging and chronic disease as well as health disparities. Glymour's research has centered around several related themes: social policies and health; social and geographic determinants of population health and health equity; causal inference methods for social epidemiology; and stroke, cognitive aging, and Alzheimer's disease and related dementias. Before joining UCSF, Glymour was an assistant professor at Harvard T.H. Chan School of Public Health and a postdoctoral scholar at Columbia University. She received her bachelor's in biology from the University of Chicago and her master's and doctorate from Harvard T.H. Chan School of Public Health.



## &Scarlett Bellamy

Scarlett Bellamy was most recently a professor in the Department of Epidemiology and Biostatistics and the associate dean for diversity and inclusion at the Dorns fe School of Public Health at Drexel University. Before her move to Drexel, Bellamy spent 15 years at the University of Pennsylvania Perelman School of Medicine, where she was a professor of biostatistics. Much of Bellamy's research focuses on evaluating the efficacy of interventions in longitudinal behavioral modification trials, including cluster- and group-randomized trials. Past projects have applied this methodology to address health disparities for a variety of clinical and behavioral outcomes, including HIV/AIDS, cardiovas:ular disease, and health-promoting behaviors. Bellamy holds a bachelor's degree in mathematics from Hampton University and a master's and doctorate in biostatistics from Harvard T.H. Chan School of Public Health. In 2016, Bellamy was elected a fellow of the American



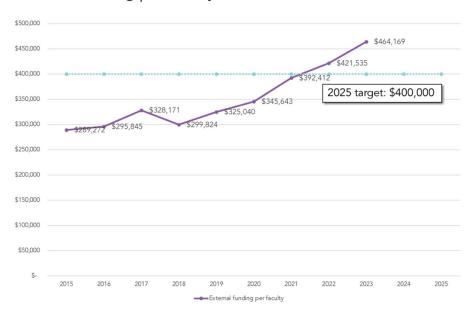
# & Carlos Rodriguez-Diaz

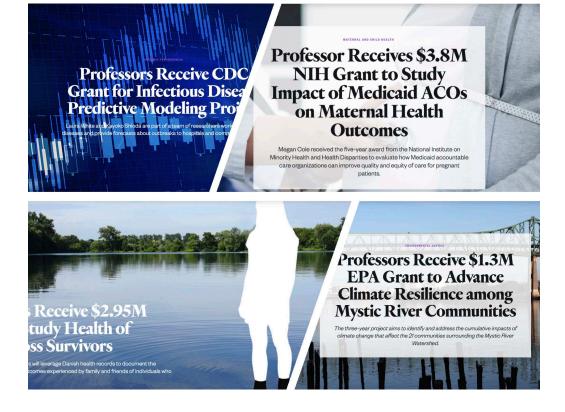
Carlos Rodriguez-Diaz was previously professor and vice chair of the Department of Prevention and Community Health at the Milken Institute School of Public Health at The George Washington University (GWU). Rodriguez-Diaz's professional work focuses on engaging social determinants of health to address health inequities among populations made vulnerable by factors such as incarceration status, gender identity, sexual orientation and HIV status. He earned his bachelor of science and master of public health from the University of Puerto Rico (UPR) and worked as a health educator in the Puerto Rican prison system before completing doctoral training in public health and community health education at Walden University in Minnesota. He returned to the UPR for postgraduate training in HIV and global health research, becoming an assistant professor at the UPR Graduate School of Public Health before joining GWU in 2018.

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## External funding per faculty member

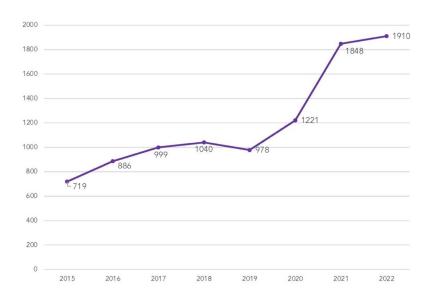




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## Publications by year







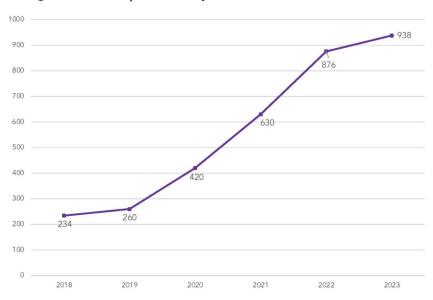


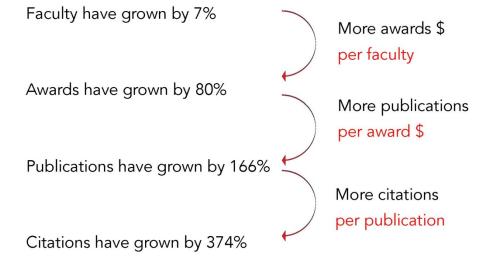


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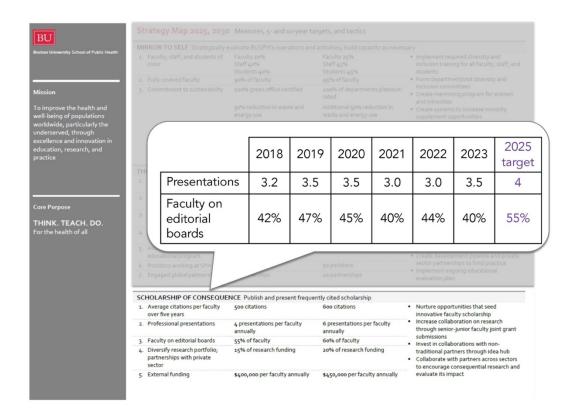
## Average citations per faculty member





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FACULTY NEWS

### Professor Elected to International Society's Board of Directors

Jaimie Gradus, associate professor of epidemiology, joined the board of directors for the International Society for Traumatic Stress Studies in November 2022. Read more.



Professor Named Fellow of the American Statistical Association

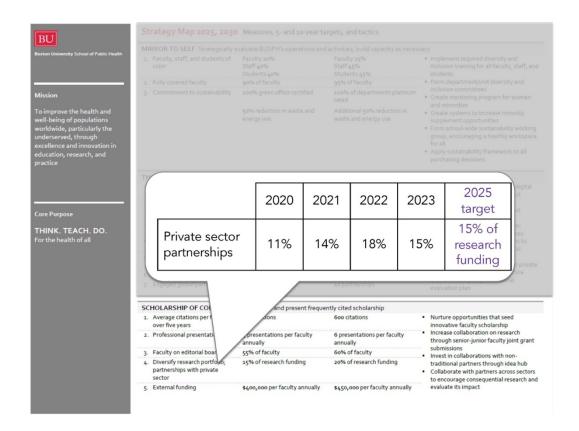


SCHOOL NEWS

### Professor Receives Mentorship Award for Prioritizing Student Wellbeing

Sarah Lipson was named Mentor of the Year for 2022-2023 by Graduate Women in Science and Engineering at BU. Read more.







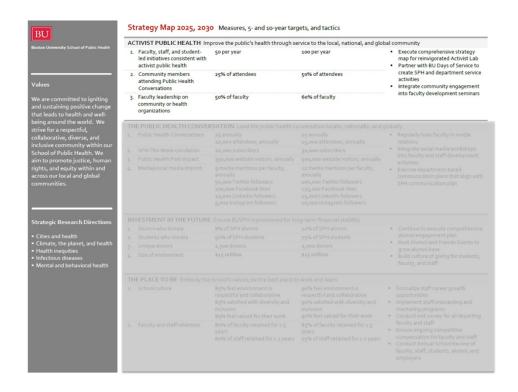
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## Pilot funding

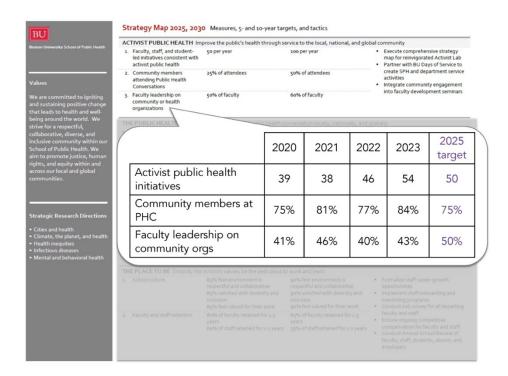
- Pre-Doctoral and Post-Doctoral Research Ignition Awards
- Seed Grants
  - Early Career Catalyst
  - Established Investigator Innovation Award
  - Education Innovation Award
  - Practice Innovation Award
  - Carlin Foundation Pilot Award for Public Health Innovation
  - CFAR Developmental Grant Award
- Strategic Initiative Awards
  - Strategic Direction Spark Award
  - Training Grant Development Award
  - Think. Teach. Do. Protected Time Award

Next submission deadline: March 1, 2024



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## Rochelle Walensky, CDC Director



BUSPH hosted a discussion with Dr. Rochelle P. Walensky during her tenure as Director of the Centers for Disease Control and Prevention and Administrator of the Agency for Toxic Substances and Disease Registry.

### A CONVERSATION STARTER WITH

### Congresswoman Ayanna Pressley

"I believe the people closest to the pain should be the closest to the power"



Congresswoman Ayanna Pressley (MA-07) spoke with Dean Sandro Galea about her career in public service, the importance of a holistic approach to advance the health of our communities, and advice she has for the younger generation about how to create a better world for all.

LISTEN TO THE

### A CONVERSATION WITH

### US Senator Edward J. Markey & US Surgeon General Vivek H. Murthy



Senator Edward J. Markey and Vice Admiral Dr. Vivek H. Murthy visited BUSPH for a discussion on *Promoting Mental Health Among Children and Youth*.





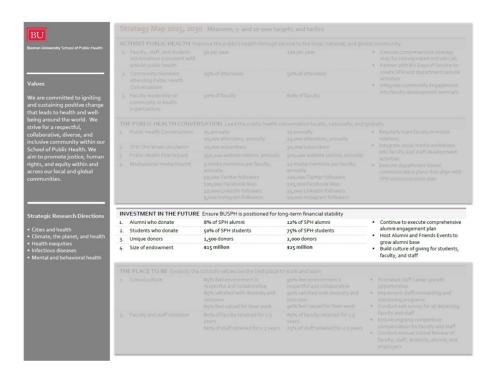


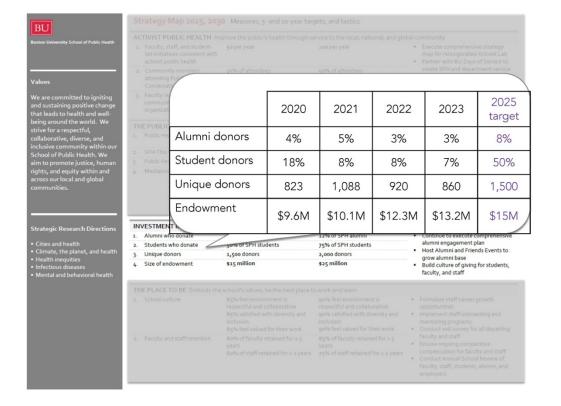




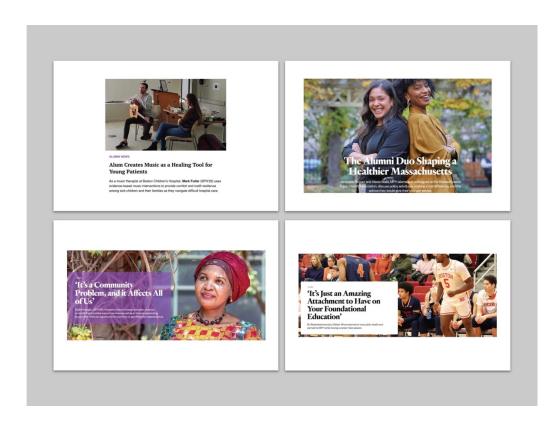


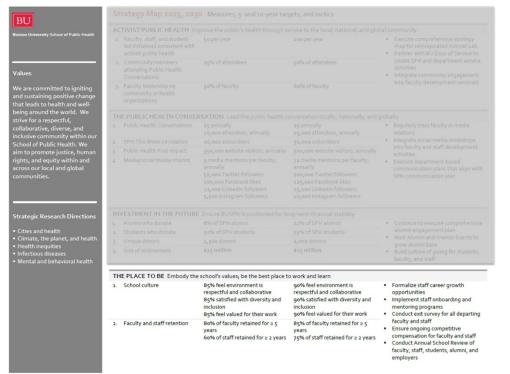












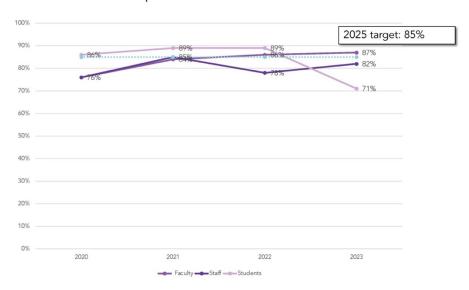
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### SPH values

We are committed to igniting and sustaining positive change that leads to health and wellbeing around the world. We strive for a respectful, collaborative, diverse, and inclusive community within our School of Public Health. We aim to promote justice, human rights, and equity within and across our local and global communities.

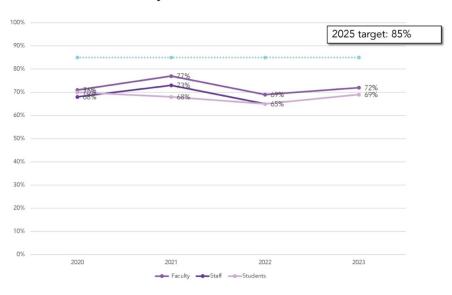
### Environment is respectful and collaborative





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### Satisfied with diversity and inclusion

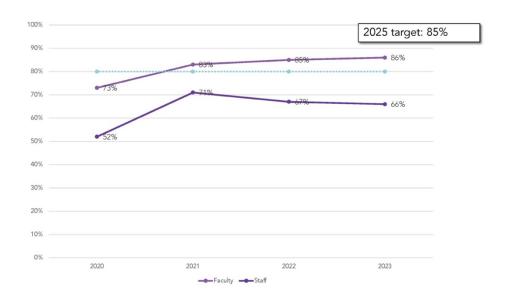


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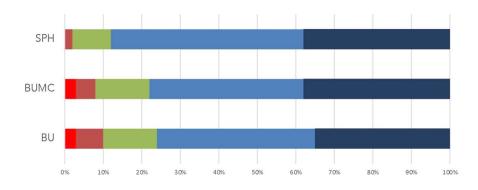
### Feel valued for their work



### Belonging and Culture survey snapshot

### Staff

Overall, how comfortable are you within your work unit at BU?

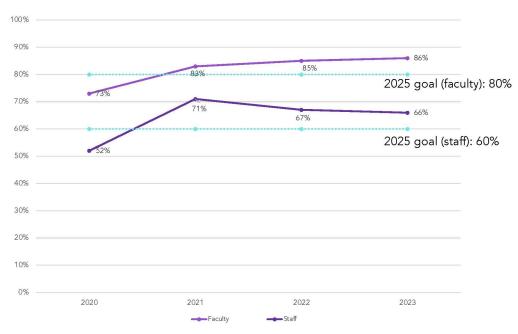


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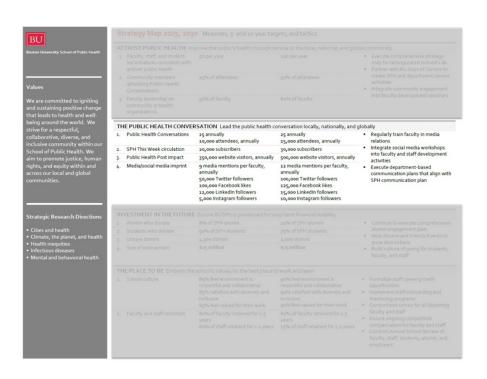


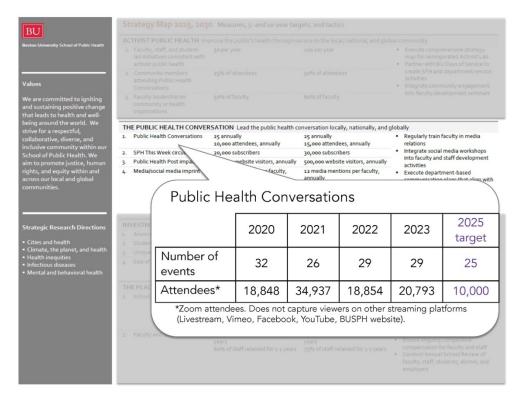


## Faculty and staff retention



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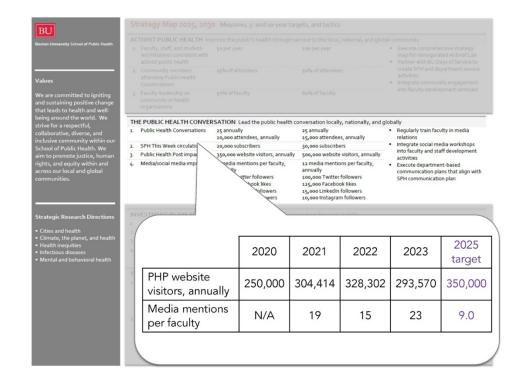




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# Public Health Post











RESEARCH

#### Wake Up Call: The Case for Later School Start Times

By Adna Jaganjac / January 11, 2024

Later school start times may improve students' weight, eating habits, and exercise behaviors.

...more



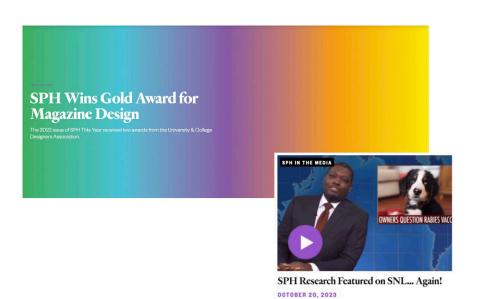


Alum Named 2023 Pulitzer Center Reporting Fellow

Recent MPH alum and former Public Health Post Fellow Barbara Espinosa Barrera will return to the region of Ecuado where she grew up to report on local efforts to mitigate the

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SPH This Week | The Tragedy of Gaza - ACTIVE • sgalea@bu.edu

#### SPHTW subscribers, 2020 to 2023

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⊚ Boston University School of Public Health <sph@bu.edu>To: ⊘ Galea, Sandro

No images? Click here

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SPH This Week.
Latest News, Research, and More

January 7, 2024

14,566



449

The Tragedy of
Gaza

Dean Sandro Galea reflects on the horrors of war.

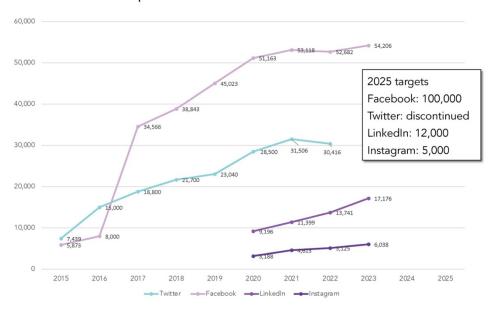
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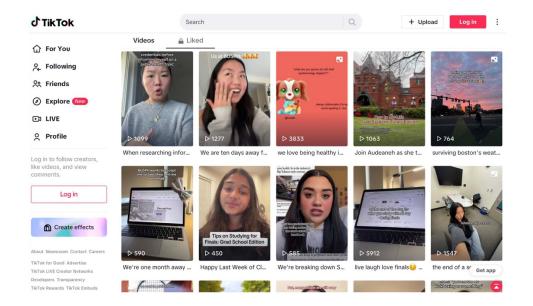
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#### Social media imprint





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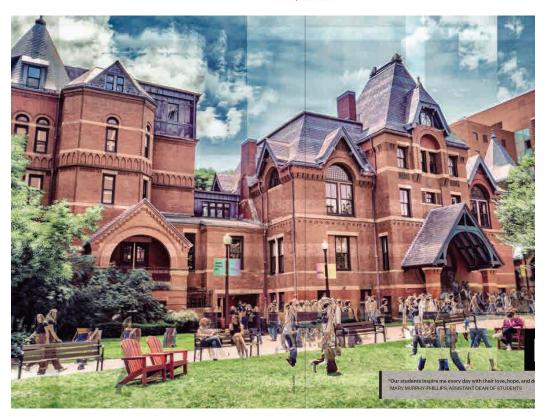




# Then and Now: SPH founders and faculty reflect on the school's early years.

In March 1976, a brief letter from Boston University Sohool of Medicine (now the Chobanian & Avedisian School of Medicine), double-spaced and composed on an IBM Selectric typewriter, officially announced the establishment of a part-time evening program leading to a Master of Public Health. Four hundred copies were run off on a Xerox copier the size of a dining table and mailed to administrators and personnel directors at hospitals and health centers throughout New England, marking the modest start of what would eventually become the BU School of Public Health.

That fall, 54 degree-seeking students and 20 nondegree students began taking public health courses in the Department of Socio-Medical Sciences and Community Medicine. According to Leonard Glantz, who taught health law at the schools of law and medicine and became one of the first faculty members at the nascent public health school, a major aim of the department was to counter the then-prevailing method of training medical students to think narrowly about individual patient health.



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#### Headwinds

- 1. Changing world, interest in public health, student numbers
- 2. Difficult year financially in time of transition (new faculty, new programs)
- 3. Uncertain world (how we work, wars, politics)

But a world of enormous opportunities



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We are building a school\*

That engages the critical public health issues of our time, encourages innovative science, education, and translation efforts, and contributes to the global conversation assuring conditions for all people to be healthy.

\*January 29, 2015

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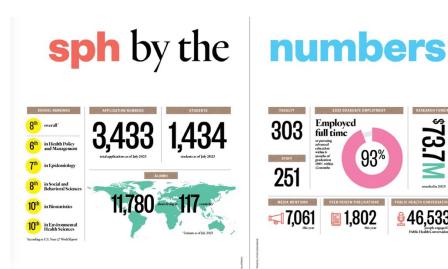
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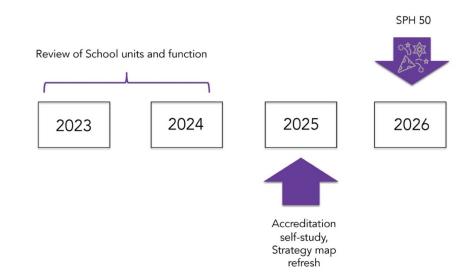




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Felen&Emily&Charles&Jessica& Gina&Maria&Ashley&Mark&Terri& Anthony&Greta&James&Hannah Meng&Jaclyn&Sharon&Martha& Sabelle&Soma&Hill&Mery&Sean& Micole&Vicki&Brittany&Timothy& Peyton&Shariq&Michael&Salina& Garoline&Jean-Claude&Abigail& Rani&Daisy&Lilly&Adna&Emma& Baisha&Nicholas&Joel&Aditi&Iris& Leah&Donald&Mary&Elsa&Kevin& Robyn&Amelia&Sunyue&Ryan& Christie&Jack&Bukiwe&Joanna& Esther&Connor&Mallory&Leyla&

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#### 2. Spotlight on a Department

Dr. Maria Glymour (mglymour@bu.edu) provided the school with updates from the Department of Epidemiology.

# Department of Epidemiology.

BOSTON UNIVERSITY SCHOOL OF PUBLIC HEALTH
School Assembly, January 23, 2024
Maria Glymour, Chair

Boston University School of Public Health

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## **People in the Department**

- MPH Students (Epi-Bio) 369
  - in it diadonio (Epi Bio)
- MS Students 14PhD Students 31
  - Time to Graduation 5.2 yrs
- Post Doctoral Associates 7
- Core admin team 6.5
- · Research staff, fellows, scientists
  - 30

Professors – 10. Associate Professors – 4. Assistant Professors – 10

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# **Core administrative team**



Shelley Barnes, Sr Financial Administrator



Marcus Garrant, Academic Program Admin





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Jason Reis, Program Manager

Susan Gomes, Admin Director

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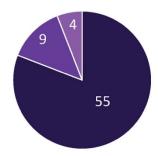
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# **Epi: Research Portfolio**

#### Epi Research By Funder

■ Federal ■ Foundation ■ VA



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- 69 Active awards as of 12/31/2023; \$42M
- 37 Prime awards, 27 subs, 4 IPAs
- Majority of Funding is NIH
  - 14 R01s
  - 2 R21s
  - · 4 Faculty Ks
  - 1 DP5
  - 2 K99s
  - 1 F31
  - 1 R13
  - 2 Supplements
- FY24 Q1 &2 submitted 38 proposals submitted (\$70M total project period)

# **Education & Leadership**



Dr. Ann Aschengrau Associate Chair for Education



Dr. Megan Healey Schoolwide MPH Program Director



Dr. Jaimie Gradus PhD Program Director



Dr. Yvette Cozier Associate Dean for Diversity, Equity, Inclusion, and Justice SER President

Faculty teach or co-teach ~ 26 classes serving PhD students, MPH students, and MSPHR students.



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## **Research Clusters**

1. Methodology: Measurement, Recruitment, Sampling, Study Design, & Analyses



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# **Research Clusters**

#### Exposure-focused

- 2. Health Equity: Social & Structural Determinants of Health
- 3. Environmental Determinants of Health



1. Methodology: Measurement, Recruitment, Sampling, Study Design, & Analyses

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#### **Research Clusters**

#### **Exposure-focused**

- 2. Health Equity: Social & Structural Determinants of Health
- 3. Environmental Determinants of Health

#### Outcome-focused

5. Reproductive, Perinatal, Gynecologic, & Developmental Outcomes

6. Infectious Diseases

7. Aging & Chronic Diseases



1. Methodology: Measurement, Recruitment, Sampling, Study Design, & Analyses

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#### **Research Clusters**

#### Exposure-focused

#### Outcome-focused

2. Health Equity: Social & Structural Determinants of Health

5. Reproductive, Perinatal, Gynecologic, & Developmental Outcomes

3. Environmental Determinants of Health

6. Infectious Diseases

7. Aging & Chronic Diseases

4. Stress, Trauma, & Mental Health

1. Methodology: Measurement, Recruitment, Sampling, Study Design, & Analyses



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## **Research Clusters**

# Exposure-focused 2. Health Equity: Social & Structural Determinants of Health 3. Environmental Determinants of Health 4. Stress, Trauma, & Mental Health 1. Methodology: Measurement, Recruitment, Sampling, Study Design, & Analyses

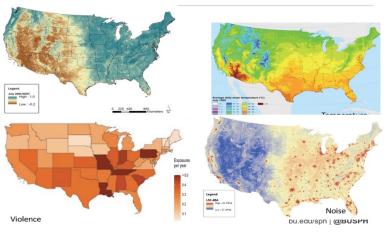
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### Marcia Pescador Jimenez: Characterizing the Exposome







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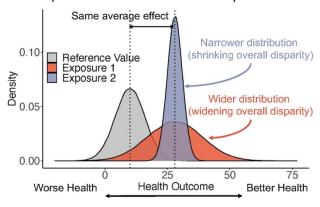


#### **Koichiro Shiba: Causal Inference** & Disparities Research





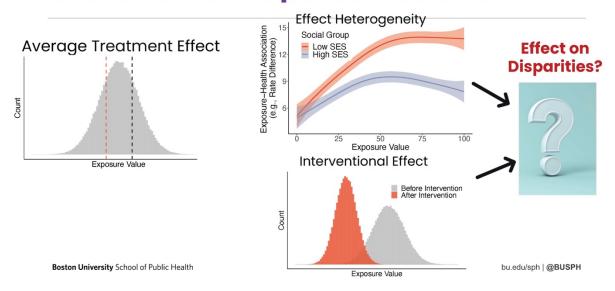
Exposures may have the same average effect but different implications for health disparities



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# **Koichiro Shiba: Bringing Causal Inference into Disparities Research**



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#### **Dr. Ellie Murray: Causal** inference methods and applications



- Emulated target trials
  - · PRESTO preconception cohort
  - · Treatments for substance use disorders
  - · Psychiatric interventions
- 2. Causal systems models to assess the value of health care access interventions
  - Tuberculosis timely diagnosis
- 3. Policy evaluation
  - · Infection control measures
  - · Anti-LGBTQ+ laws
- 4. Causal effects on networks
  - · HIV transmission
  - · Spillover effects of infection prevention measures
- 5. Public health literacy during outbreaks

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## **Dr. Collette Ncube: Policies to promote** the health of infants and parents





- · K01: systems science methods to quantify effects of potential healthcare sector interventions on prevention of preterm birth
- · Currently writing an R01 to evaluate paid family medical leave effects on infant and maternal outcomes
- Ncube, C.N., McCormick, S.M., Badon, S.E. et al. Antepartum and intrapartum stillbirth rates across gestation: a cross-sectional study using the revised foetal death reporting system in the U.S.. BMC Pregnancy Childbirth 2022

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#### Mary Willis: Policy-Relevant Epi for Infrastructure Hazards

2. Health Equity: Social & Structural Determinants of Health Reproductive, Perinatal, Gynecolog
 Peyelonmental Outcomes

3. Environmental Determinants of Health

1. Methodology: Measurement, Recruitment, Sampling, Study Design, & Analyses









Oil & Gas Development

**Energy Transitions** 

**Roadway Construction** 

**Highway Reclamation** 

A population-based cohort study of traffic congestion and infant growth using connected vehicle data

MARY D. WILLIS 🚳 , DAVIO SCHRANK CHUNCUE XU 🚳 , LIDIA HARRIS, BEATE R. RETZ 🚳 , ELAINE L. HILL 🚳 , AND PERRY HYSTAD 🚳 Authors Info & Affiliations

Mary D. Willis  $^{b,\circ}$ , Lena Harris  $^b$ , Erin J. Campbell  $^a$ , Mira Chaskes  $^b$ , Ethan Sawyer  $^b$ , Max Harleman  $^d$ , Beate Ritz  $^{c,\circ}$ , Elaine L. Hill  $^{b,\circ}$ , Perry Hystad  $^f$ 

Changes in Socioeconomic Disparities for Traffic-Related Air Pollution Exposure During Pregnancy Over a 20-Year Period in Texas

Mary D. Willis, PhD, MPH<sup>1</sup>; Elaine L. Hill, PhD<sup>2</sup>; Collette N. Ncube, DrPH, MS, MPH<sup>1</sup>; Erin J. Campbell, BA, BS<sup>1</sup>; Lena Harris, BA<sup>2</sup>; Max Harleman, PhD, MPA<sup>2</sup>; Beate Ritz, MD, PhD<sup>4</sup>; Perry Hystad, PhD<sup>5</sup>

Associations between Residential Proximity to Oil and Gas Drilling and Term Birth Weight and Small-for-Gestational-Age Infants in Texas: A Difference-in-Differences Analysis

Mary D. Willis, 1,2 Elaine L. Hill,3 Andrew Boslett,3,4 Molly L. Kile,1 Susan E. Carozza,1 and Perry Hystad1

Home » American Journal of Public Health (AJPH) » November 2023

Fossil Fuel Racism: The Ongoing Burden of Oil and Gas Development in the Shadows of Regulatory Inaction

Mary D. Willis PhD, MPH, and Jonathan J. Buonocore ScD, MS

Association Between Neighborhood Disadvantage and Fertility Among Pregnancy Planners in the US

Mary D. Willis, PhD<sup>12</sup>; Olivia R. Orta, ScD<sup>3</sup>; Collette Ncube, DFPH<sup>2</sup>; Amelia K. Wesselink, PhD<sup>2</sup>; Lan N. Doàn, PhD<sup>4</sup>; Kipruto Kirwa, PhD<sup>5</sup>; Renée Boynton-Jarrett, MD, ScD<sup>6</sup>; Elizabeth E. Hatch, PhD<sup>2</sup>; Lauren A. Wise, ScD<sup>2</sup>

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# Leo Martinez: natural history of tuberculosis in

of tuberculosis in high-risk populations Determinants of Health

6. Infectious Diseases

Martinez L, et al. The long-term impact of early-life tuberculosis disease on child health: a

Mass-scale serial tuberculosis infection and disease screenings in China



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Global consortiums on tuberculosis contact tracing and prisons

prospective birth cohort study. Am J Resp & Crit Care Med. 2023

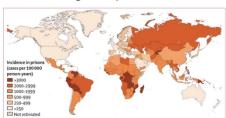
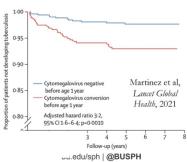


Figure 2: Estimated tuberculosis incidence in prisons (cases per 100 000 person-years) by country in 2019

Longitudinal multimorbidity birth cohort in South Africa



Martinez et al, Lancet Public Health, 2023

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# Eric Rubenstein & Coresearchers: Health of individuals living with Down syndrome.

#### DS-TO-THE-MAX

Administrative Medicare and Medicaid cohort of >1.3 million US adults with intellectual and developmental disability, 2011-2019

Time to incident Alzheimer's dementia among 115,000 adults with Down syndrome

B. Over 9 years, 1 in 4 people with Down syndrome had Alzheimer's dementia

By 61 years of age, ½ of adults with Down syndrome will have Alzheimer's dementia dx

<u>Co-research</u> where people with lived experience are partners in all steps of research.

All 2023 Down syndrome research presentations included at least one presenter with Down syndrome.

All 7 co-researchers had an opportunity to present research to scientific and stakeholder audiences. Co-researcher team led paper, the first survey for and by people with Down syndrome, is under review.

8 BUSPH RAs worked with the team



# Phillip Hwang: modifiable lifecourse behaviors associated with risk and resilience to dementias

Health Equity; Social & Structural
 Determinants of Health

7. Aging & Chronic Diseases

. Stress, Trauma, & Mental Health



- Physical activity in early adulthood, midlife, and late-life and their impacts on cognitive resilience
  - Funded by NIA K01 award (PI)
- Social networks in early adulthood, midlife, and late-life and their impacts on cognitive resilience
  - Funded by Alzheimer's Association Research Fellowship award (PI)
- Dietary intake of flavonoid-rich fruits in midlife and late-life and associations with dementia risk
  - Funded by US Highbush Blueberry Council (PI)

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# Lauren Wise & colleagues: A network of projects on women's health









- SELF Study of Environment, Lifestyle & Fibroids, new grant evaluating links with phthalates, BPA, PCBs
- Black Women's Health Study: examining environmental and social exposures in relation to subfertility (R01-ES035053)
- PRESTO: Numerous projects related to diverse determinants of fertility and menstrual health





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# Amelia Wesselink: Neighborhood and environmental influences on reproductive & gynecologic health

Reproductive, Perinatal, Gynecologic,
 Developmental Outcomes

3. Environmental Determinants of Health







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#### Neighborhood context

- Black Women's Health Study: examining environmental and social exposures in relation to subfertility (R01-ES035053)
- PRESTO: planning R01 resubmission on neighborhood-level stressors and menstrual health

#### Ambient temperature

- PRESTO: role of heat in miscarriage risk, factors related to personal heat exposure (R21-HD106357)
- PRESTO: resubmitted R01 on heat and fertility

Wesselink et al AJE 2023: "COVID-19 vaccination was not appreciably associated with fecundability in either partner (female fecundability ratio (FR) = 1.08, 95% confidence interval (CI): 0.95, 1.23; male FR = 0.95, 95% CI: 0.83, 1.10). "

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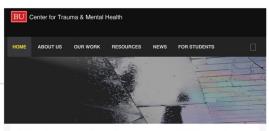
# Jaimie Gradus: Trauma and Mental Health





Faculty Awarded Grant to Identify the Longitudinal Outcomes of Suicide Loss

U.R. Ammony kosemir and Dr. Jairine Gradus have been awarded an R01 from NiMH study the health impacts of suicide loss among first degree relatives and urrelated cohabitants. This novel study will use Danish national registry data to document the Boston University School of Public Health



# The Center for Trauma and Mental Health

Launched in 2023, the Center for Trauma and Mental Health has the broad goal of highlighting the stress and trauma and their effects as public health issues, and fostering a community of researchers, educators, and public health practitioners at BUSPH who are committed to addressing trauma in all forms.

We seek to advance knowledge, education, and public health practice in three focus areas:



leam more
The
Mental
Health and
Physical

Social
Factors,
Stress,
and

https://sites.bu.edu/ctmh/[1/22/24, 7:38:13 PM

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# On the horizon....



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# **Epidemiology is Changing**

- Equity in all of epidemiology: social determinants of health are relevant to nearly every domain of epidemiology.
- The evidence we deliver in epidemiology must be better aligned with potential action/responses, and we need the flexibility to rapidly respond to emerging and evolving questions
- New data and computational tools could be revolutionary... or not. Epi should lead innovative applications of new data sources and new computational approaches to health research questions
- · Support these via research, teaching, and service activities.

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#### **Education Initiatives**

- Rollout of Excellence in Social Epidemiology Pathway
- Advanced coursework in reproductive epidemiology
- · Advanced coursework in social epidemiology
- Broader repertoire of coding skills, e.g., SAS + R
- · Seminars in data intensive coding and reproducible research
- Planned T32 submissions in reproductive epi, aging epi +
- Support for F31 submissions & admin supplements Growth in postdoctoral programs

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# Thank you

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#### 3. Staff Senate

Denise Joseph (<u>dejoseph@bu.edu</u>) provided the school with updates from Staff Senate.

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# **BUSPH Staff Senate.**

BOSTON UNIVERSITY SCHOOL OF PUBLIC HEALTH
January 23, 2024

**Boston University** School of Public Health

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#### **SPH New Hires**

Name	Position Title	Dept.
Lindsay Kastner	Project Coordinator	EH
Hannah Kim	Communications Specialist	EH
Lilly Nichols	Research Program Manager	EH
Eliza Pentz	Research Assistant	Epi

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## **SPH New Roles**

Name	Position Title	Dept.
Nico D'Angelo	Research Assistant	GH
Talia Feldscher	Research Data Analyst	EH
	Assistant Director, Student	Graduate
Tenbit Mitiku	Success	Student Life

Staff who have changed positions

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# **Staff Senate Elections**

#### The votes are in.

- Our senate members are official.
- Thank you for your participation.

Almost ¼ of all staff voted

Name	Unit
Ashley Scott	EPI/Biostats
Sarah Lawrence	Community Health
Saraii Lawrence	Sciences
Magan lanes	Central Admin & Service
Megan Jones	Offices
Matt Bullard	BEDAC
Tenbit Mitiku	At Large rep
Kwesi Essukfue	At Large rep
Kimberly Graham	At Large rep

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# **Staff Senate Elections**



Name	Unit
Ashley Scott	EPI/Biostats
Sarah Lawrence	Community Health Sciences
Megan Jones	Central Admin & Service Offices
Matt Bullard	BEDAC
Tenbit Mitiku	At Large rep
Kwesi Essukfue	At Large rep
Kimberly Graham	At Large rep

## On the Table

Completed: Created an evergreen voting process.

#### **Upcoming:**

- 1. Understanding the landscape: Reviewing the School Survey
- 2. Developing 2024 plan: Staff Senate March retreat meeting
- 3. Informing our constituents: Monthly emails from your unit rep



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## **Staff Senate**

Representatives	Constituency
Denise Joseph, Senate Chair	Education Offices
Heatherly Mitch, Vice Chair	Global Health
Ashley Scott, Administrative Officer	EPI/Biostats
Selene Vences	Environmental Health
Skylar Karzhevsky	Health Law, Policy & Management
Matt Bullard	BEDAC
Sarah Lawrence	Community Health Sciences
Megan Jones	Central Admin & Service Offices
Tenbit Mitiku	At Large rep
Kwesi Essukfue	At Large rep
Kimberly Graham	At Large rep
Eric DelGizzo	At Large rep
Aboli Goghari	At Large rep

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# **February Staff Senate Meeting**

Thursday, February 9
12:30-2pm
Founders Room Talbot 307C
Lunch provided
Hybrid
Join us



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#### 4. Faculty Senate

Dr. Patricia Janulewicz Lloyd (paj@bu.edu) provided the school with updates from Faculty Senate.

# Faculty Senate updates

SPH School Assembly January, 23rd 2024



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#### 2024 Faculty Senate Members

#### **Department Reps**

- Danielle Haley CHS \*
- Tricia Janulewicz Lloyd EH \*
- Mary Willis EPI
- Paul Shafer HLPM
- Chunyu Liu BS
- Meredith Brooks GH \*
- \* Elected Leadership Position

#### **At-large Members**

- Monica Onyango GH
- Allegra Gordon CHS
- Sara Lodi BS
- Ching-Ti Liu BS
- Patrick Kinney EH
- Sarah Lipson HLPM
- Justin White HLPM
- Carol Dolan CHS
- Kevin Lane EH
- Tim Callaghan HLPM
- Kimberly Nelson CHS
- Eric Rubenstein EPI

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# December Faculty Senate Meeting (12/19)

- New Faculty Senate
- New Faculty Senate leadership
- Associate Dean Mike McClean GC proposal on "total FTE expectations"



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# January Faculty Senate Meeting (1/23)

- Plan quantitative and qualitative review of annual school survey data (Faculty relevant responses)
- Plan Faculty Senate Retreat (2/9/2024)
- Finalize plan for Human Subject research space survey implementation through department reps and data summary
- Hybrid meeting with lunch!

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#### Announcements

(thanks to Dean Ira Lazic)

- As of November we have access to a shuttle that runs from Talbot to the Medical Student Residency, which passes by Crosstown.
  - We encourage faculty to use this shuttle.
- The D lot is now open and available to those who teach in the Instructional Building and would like access to the D-lot after 5pm.
- Patrols from Public Safety have increased bike, foot and vehicle patrols.

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#### **Announcements**

(thanks to Dean Yvette Cozier)

- Faculty are encouraged to utilize the syllabus review tool.
  - There will be upcoming sessions hosted by Deans Cozier and Sullivan which will be posted in the SPH calendar and SPH Today.
  - Reach out to Dean Cozier with any questions or concerns.
- Faculty are invited and encouraged to join the upcoming Talking Circles (food will be served!)
  - Tuesday, February 6, 2024, 9:00 10:00 AM Talbot 106E
  - Tuesday, March 5, 2024, 9:00 10:00 AM Talbot 106E
  - Wednesday, April 10, 2024, 5:00 6:00 PM Talbot 106E
  - Tuesday, May 7, 2024, 9:00 10:00 AM Talbot 106E



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#### Announcements

(thanks to Dean Mike McClean)

- The RFAs for the latest round of pilot funds have been announced (SPH Today, January 12th)
  - Deadline is March 1st
  - Reach out to Dean McClean with any questions

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#### **Announcements**

Congratulations to all December 2024 faculty appointments, promotions!

- Primary:
  - Lewis Kazis Emeritus Professor (HLPM)
  - David Rosenbloom Emeritus Professor (HLPM)
- Adjunct:
  - Elizabeth Hatch Adjunct Professor (EPI)
  - Timothy Heeren Adjunct Professor (BIO)



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# Next Faculty Senate meeting

Tuesday, January 23<sup>rd</sup>,2024 12:30 PM – 1:50 PM Talbot 233 West Conference Room and Zoom

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Next school assembly
Tuesday February 13,10:00am
In-person (Keefer) + zoom