



# **New Initiatives at the JHSPH**

## *The Academy at Johns Hopkins*

*June 4, 2020*

Ellen J. MacKenzie, PhD '79, ScM '75  
Bloomberg Distinguished Professor  
Dean

# The 1918 Influenza Pandemic

## Critical launch point for the School's work

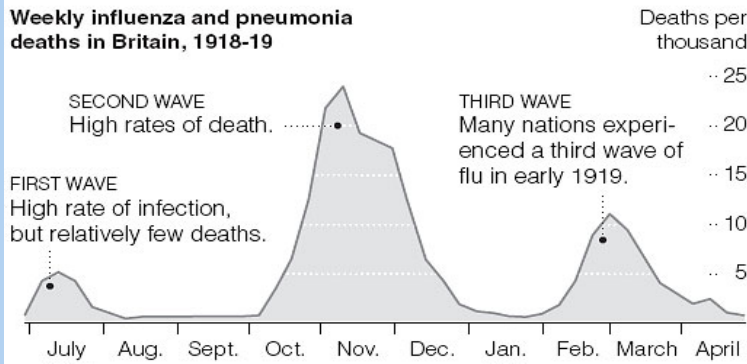


Jump-started the School's growth as a leading center for research and training in epidemic disease and led to its rise in international prominence in vaccine development, evaluation, and policy.

### The 1918 Pandemic

The influenza pandemic of 1918 spread across Europe, Asia and North America in three distinct but uneven waves, and was fatal for about 2 percent of those who caught it. Global data is incomplete, but death rates in Britain hint at the severity of the three waves.

Weekly influenza and pneumonia deaths in Britain, 1918-19

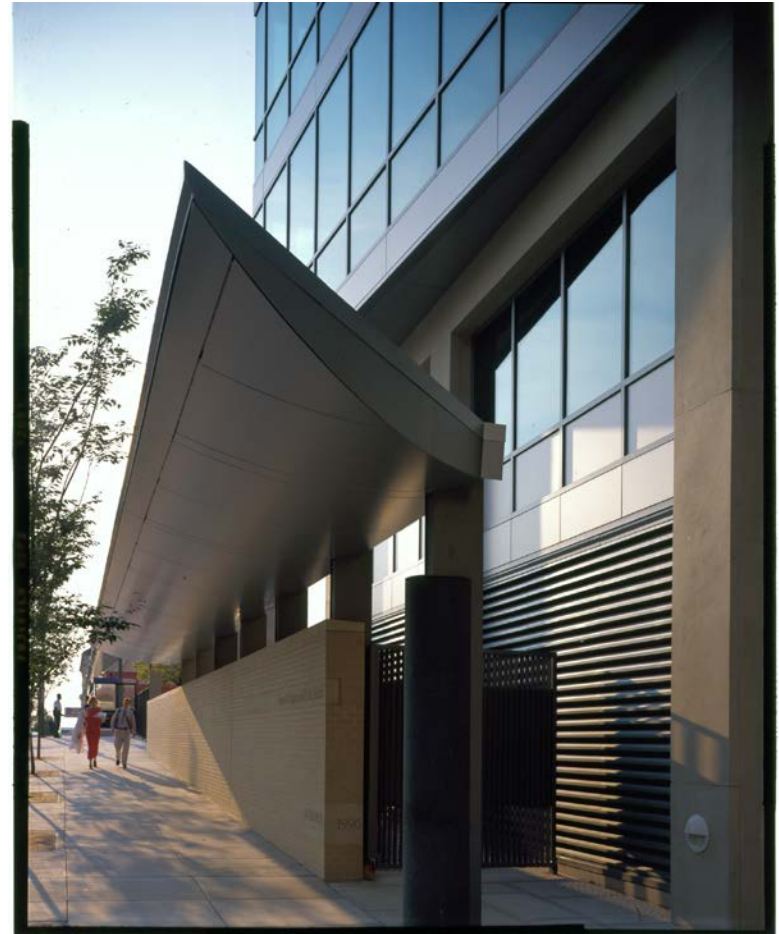


Wade Hampton Frost  
1<sup>st</sup> Chair, Epidemiology

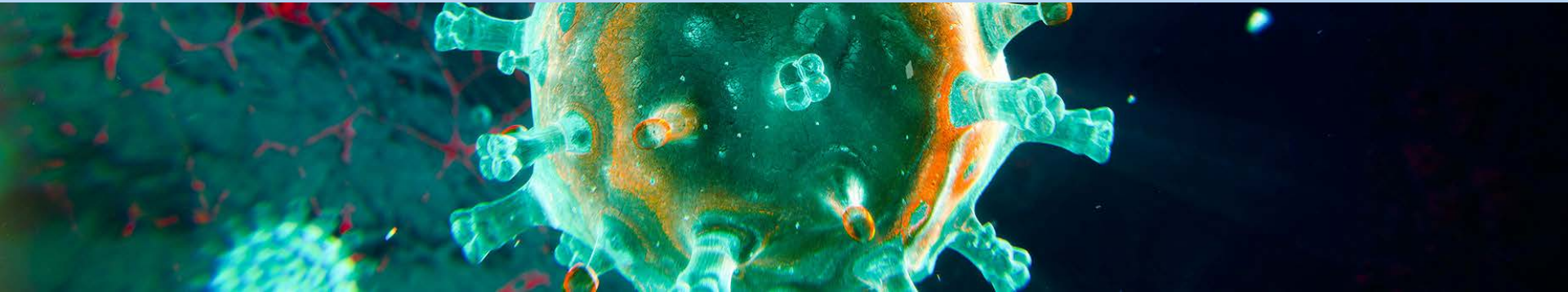


# JHSPH: 100 Years & Counting

- **2600+ Students**
- **700+ FT Faculty**  
**working in > 100**  
**countries**
- **25,000+ Alumni**
- **Organized around:**
  - **10 Departments**
  - **80+ Centers**



# We are still on the forefront of combating infectious diseases



Center for  
**Health Security**



# Tackling New 21st Century Challenges

## The Bloomberg American Health Initiative

A \$300 million gift focused on 5 critical challenges

- 25 endowed professorships
- 50 MPH and 10 DrPH endowed fellowships
- Research and programmatic efforts developed and implemented through enhanced partnerships



**Environmental  
Challenges**



**Obesity & The  
Food System**



**Risks to  
Adolescent  
Health**



**Addiction &  
Overdose**



**Violence**





The Power of

# Public Health

A STRATEGIC PLAN FOR THE FUTURE

Education



Science



Partnerships



People



Advocacy



The Power of

# Education



## **Our Goal**

Educate leaders who can advance the public's health by furthering the excellence of our existing programs and extending our reach beyond the walls of our School.



# **We are a Virtual University** *at least for the near future*



**I will teach you in a room.  
I will teach you now on Zoom.  
I will teach you in your house.  
I will teach you with a mouse.  
I will teach you here and there.  
I will teach you because I care.  
So just do your very best.  
And do not worry about the rest.**





# Challenges & Opportunities

- We are prepared- long hx of teaching online – 300 courses online already
- Robust Center for Teaching and Learning and multimedia department
- Challenges
  - Training and support for faculty
  - Class facilities to accommodate face to face and remote learning simultaneously
  - New ways to enhance student engagement
  - Building ‘community’ among students



# A Johns Hopkins Teach-Out on Coursera Fighting COVID-19 with Epidemiology

Browse > Health > Public Health

Free

## Fighting COVID-19 with Epidemiology: A Johns Hopkins Teach-Out

★★★★★ 4.6 194 ratings | 👍 98% [Share](#)



Gypsyamber D'Souza, PhD, MS, MPH [+2 more instructors](#)

Enroll for Free

Started Apr 06

87,579 already enrolled

Offered By



[About](#) [Instructors](#) [Syllabus](#) [Reviews](#) [Enrollment Options](#) [FAQ](#)

### About this Course

375,498 recent views

This free Teach-Out is for anyone who has been curious about how we identify and measure outbreaks like the COVID-19 epidemic and wants to understand the epidemiology of these infections.

The COVID-19 epidemic has made many people want to understand the science behind pressing questions like: "How many people have been infected?" "How do we measure who is infected?" "How infectious is the virus?" "What can we do?" Epidemiology has the tools to tell us how to

[SHOW ALL](#)



#### 100% online

Start instantly and learn at your own schedule.



#### Flexible deadlines

Reset deadlines in accordance to your schedule.



#### Beginner Level



#### Approx. 3 hours to complete



#### English

Subtitles: English, Italian, Spanish

The Power of

# Science



## **Our Goal**

Solve the most important public health problems by incubating, accelerating, and translating groundbreaking research.



# The Power of Science

## SCIBAR

Support for Creative Integrated  
Basic and Applied Research

**12 teams (of 35)  
have been  
selected to move  
to the next round**

- Leverage our breadth and depth
- Promote team science
- Prioritize new directions in research
- Fund 4 \$1 million awards for teams that cross departments & disciplines that are focused on big problems



# COVID-19 Related Research – Examples

- Arturo Casadevall & David Sullivan: Deployment of convalescent plasma for the prevention and tx of COVID-19
- Chris Heaney & David Thomas : developed SARS-CoV-2 antibody saliva test to play critical role in large-scale 'sero'-surveillance
- Shruti Mehta & Greg Kirk: population-based cohort study to determine clinical, Social, economic consequences
- Colleen Barry & Hahrie Han: Johns Hopkins COVID-19 Civic Life and Public Health Survey
- Justin Lessler & Others: Modeling

<https://www.jhsph.edu/covid-19/projects-and-initiatives/index.html>



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# Partnerships



## Our Goal

Partner to protect the population's health and advance equity and social justice worldwide, with a special commitment to Baltimore.



# **Some COVID-19 Related Activities**

- Working with the Hopkins Health System, UMd Health System & Care First to advise and support Baltimore City
- Collaborating with Bloomberg Philanthropies and the Bloomberg Harvard City Leadership Initiative to provide over 400 city mayors with the tools to understand, respond to and manage this public health crisis and beyond
- Developing planning models for cities that reflect the possible impact of the epidemic on health services under different social distancing scenarios & policies



**Special Promotion: Enroll for Free!**  
**This course includes a certificate and the fee is waived.**  
This free course is created by John Hopkins Bloomberg School of Health and courtesy of Bloomberg Philanthropies.

Browse > Health > Public Health

Free

# COVID-19 Contact Tracing

★★★★★ 4.9 17,622 ratings | 98% Share

Emily Gurley, PhD, MPH

**Enroll for Free**  
Starts Jun 03

318,145 already enrolled



About Instructors Syllabus Reviews Enrollment Options FAQ

## About this Course

31,194,896 recent views

The COVID-19 crisis has created an unprecedented need for contact tracing across the country, requiring thousands of people to learn key skills quickly. The job qualifications for contact tracing positions differ throughout the country and the world, with some new positions open to individuals with a high school diploma or equivalent.

In this introductory course, students will learn about the science of SARS-CoV-2, including the infectious period, the clinical presentation of

[SHOW ALL](#)

### WHAT YOU WILL LEARN

- ✓ Describe the natural history of SARS-CoV-2, including the infectious period, the presentation of COVID-19, and evidence for how it is transmitted.
- ✓ Define an infectious contact and timeline for public health intervention through contact tracing.

**Shareable Certificate**  
Earn a Certificate upon completion

**100% online**  
Start instantly and learn at your own schedule.

**Flexible deadlines**  
Reset deadlines in accordance to your schedule.

**Beginner Level**

**Approx. 5 hours to complete**

www.baltimoresun.com • now  
Phase 2 of recovery to begin  
Md. to lift more coronavirus restrictions  
starting Friday





The Power of

People



## **Our Goal**

Fuel creativity and ensure excellence in all we do by cultivating a diverse, inclusive, and nurturing environment for students, faculty, and staff.



The Power of

# Advocacy



## **Our Goal**

Communicate and advocate for the value of public health.



# We are a trusted source of information about COVID-19

ABOUT ACADEMICS ADMISSIONS DEPARTMENTS RESEARCH STUDENT LIFE PRACTICE & TRAINING NEWS GIVING Q

**JOHNS HOPKINS**  
BLOOMBERG SCHOOL  
of PUBLIC HEALTH

Protecting Health, Saving Lives—Millions at a Time

COVID-19 | School of Public Health Digital Library

## COVID-19

SCHOOL OF PUBLIC HEALTH DIGITAL LIBRARY

### COVID-19 FAQ

What you need to know about the novel coronavirus, how it's transmitted, and how you can protect yourself.

[LEARN MORE](#)

### Daily Situation Reports

The Center for Health Security's reports, sheets, backgrounders, FAQs, and access to health security experts.

[LEARN MORE](#)

### Public Health On Call Podcast

Evidence and experts to help you understand today's COVID-19 news—and what it means for tomorrow.

[LEARN MORE](#)

### STAY INFORMED

Subscribe to receive updates about Johns Hopkins Bloomberg School of Public Health content and events.

[SUBSCRIBE NOW](#)



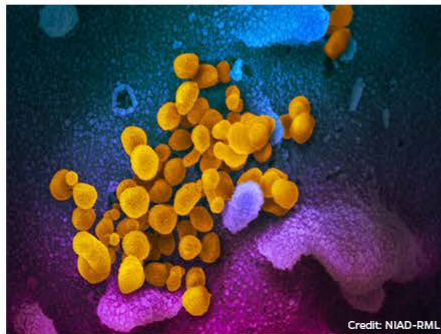


# Our Center for Health Security is Leading the Way

## Our Mission:

To protect people's health from epidemics and disasters and ensure that communities are resilient to major challenges.

## New and Noteworthy



Credit: NIAD-RML



**Book**  
[Digital Contact Tracing for Pandemic Response: Ethics and Governance Guidance](#)



**Center Report**  
[Filling in the Blanks: National Research Needs to Guide Decisions about Reopening Schools in the United States](#)



**Center Report**  
[Operational Toolkit for Businesses Considering Reopening or Expanding Operations in COVID-19](#)





# Center for Public Health Advocacy



**Shelley Hearne**  
**DrPH, MPH**

## **Infused with New Resources**

- Endowment of the Sommer-Klag Decanal Professorship of the Practice in Public Health Advocacy and Director of the Center
- Establishment of the Sommer-Klag Award in Public Health Advocacy
- School commitment

## **Focus of the Center**

- Engage communications & marketing experts
- Connect with policymakers and co-produce research to facilitate translation
- Broaden teaching efforts
- Lead in advocacy research



# A New Initiative - the context

- Public health not modernized to address today's health challenges from health emergencies to chronic conditions
- Need recognize but there is lack of “political will”
- Significant undermining of science and lack of leadership
- Public health must address social determinants of health in order to create greater health equity and address racism
- COVID-19 highlights public health disarray, poor preparedness, high rate of chronic diseases, enormous disparities in death & despair
- Johns Hopkins credibility at all time high.



# **Proposed Campaign for Modernizing our Nation's Public Health System**

## ***Action Plan for a Healthier Community Response, Recovery, and Resiliency, Post-Pandemic***

### **Vision**

A nation that is healthier, more equitable, and more resilient after the coronavirus pandemic

### **Goal**

Curate, convene, and champion a large-scale campaign to build political will at the local, state, and federal level for modernizing the nation's public health system, by building on the Johns Hopkins leadership and credibility

# Campaign Objectives

- Generate a Johns Hopkins report series for policymakers and thought leaders on building a 21<sup>st</sup> Century Disease Prevention system
- Build consensus and “political will” for the most impactful fixes required to revitalize public health at all governmental levels
- Convene a diverse public health council, made up of business leaders and key public health leaders, to champion for rebuilding the public health sustainably
- In collaboration with others, pass new, sustainable laws, policies, and funding streams for public health





Thanks for all you do in support of our vision of

Protecting Health, Saving Lives—  
*Millions at a Time*

