



JOHNS HOPKINS
BLOOMBERG SCHOOL
of PUBLIC HEALTH

Master of Public Health
Capstone Presentations
May 14, 2022

Program

Johns Hopkins Bloomberg School of Public Health

Baltimore, Maryland

MPH CAPSTONE SYMPOSIUM
SATURDAY, MAY 14, 2022

AGENDA

- 7:15-8:30AM (SESSION ONE PRESENTERS LOAD PRESENTATIONS ON COMPUTERS)
- MORNING SESSION ONE**
- 8:30-10:30AM AGING in PUBLIC HEALTH CONCENTRATION & CUSTOMIZED – Michelle Carlson & Qian-Le Xue, Room 2033
- 8:30-10:30AM EPI & BIOST METHODS FOR PUBLIC HEALTH & CLINICAL RESEARCH CONCENTRATION I – Rosa Crum & Tim Lee, Room W3008
- 8:30-10:30AM EPI & BIOST METHODS FOR PUBLIC HEALTH & CLINICAL RESEARCH CONCENTRATION II – Marie Diener-West, Room W2008
- 8:30-10:30AM EPI & BIOST METHODS FOR PUBLIC HEALTH & CLINICAL RESEARCH CONCENTRATION III – John McGready & Olivia Veira, Room W5008
- 8:30-10:30AM HEALTH SYSTEMS & POLICY CONCENTRATION I – Mary Fox, Room W4007 (*Students must return to this room to attend Health Systems & Policy Concentration III for the 11am-1:00pm session*)
- 8:30-10:30AM HEALTH SYSTEMS & POLICY CONCENTRATION II – Dustin Gibson & Julian Fernandez, Room W4019 (*Students must return to this room to attend Health Systems & Policy Concentration IV for the 11am-1:00pm session*)
- 8:30-10:30AM HEALTH SYSTEMS & POLICY CONCENTRATION III – Shannon Frattoroli, Room W4030 (*Students must return to this room to attend Health Systems & Policy Concentration IV for the 11am-1:00pm session*)
- 8:30-10:45AM INFECTIOUS DISEASES CONCENTRATION – Noreen Hynes & Photini Sinnis, Room W2029 (*Students in this room must attend Public Health Topics VI, Room W2030 in the 11am-1:00pm session*)
- 8:00-10:30AM MPH/MBA – Stef Baral, David Chin & Paul Whong, Room E9519 (*Students must return to this room to attend MPH/MBA II & Health Leadership and Management Concentration for the 11am 1:00pm session*)
- 8:30-10:30AM PUBLIC HEALTH TOPICS I – Keith West, Room W2017 (*Students must attend Public Health Topics VI, W2030 in the 11am-1:00pm session*)
- 8:30-10:30AM PUBLIC HEALTH TOPICS II – Randy Bryant & Meghan Davis, Room E6519 (*Students must return to this room to attend Public Health Topics VII in the 11am-1:00pm session*)
- 8:30-10:30AM PUBLIC HEALTH TOPICS III – Nukhba Zia, Room W2015 (*Students in this session must attend Public Health Topics VI, Room W2030 in the 11am-1:00pm session*)
- 8:30-10:30AM PUBLIC HEALTH TOPICS IV – Paulani Mui and Jeffrey Hardesty, Room W4013 (*Students must attend Public Health Topics VII, Room E6519 in the 11am-1:00pm session*)
- 8:30-10:30AM PUBLIC HEALTH TOPICS V – Andrea Ruff, Room W2030 (*Students must return to this room to attend Public Health Topics VI in the 11am-1:00pm session*)
- 10:30-11:00AM (SESSION TWO PRESENTERS LOAD PRESENTATIONS ON COMPUTERS)

MPH CAPSTONE SYMPOSIUM
SATURDAY, MAY 14, 2022

AGENDA

11:00AM-1:00PM ***MORNING SESSION TWO***

EPI & BIOST METHODS FOR PUBLIC HEALTH & CLINICAL RESEARCH CONCENTRATION IV –
Rosa Crum & Tim Lee, Room W3008

EPI & BIOST METHODS FOR PUBLIC HEALTH & CLINICAL RESEARCH CONCENTRATION V –
Marie Diener-West, Room W2008

EPI & BIOST METHODS FOR PUBLIC HEALTH & CLINICAL RESEARCH CONCENTRATION VI –
John McGready, Room W5008

HEALTH SYSTEMS & POLICY CONCENTRATION IV – **Mary Fox, Room W4007**

HEALTH SYSTEMS & POLICY CONCENTRATION V – **Dustin Gibson & Julian Fernandez,**
Room W4019

HEALTH SYSTEMS & POLICY CONCENTRATION VI– **Shannon Frattaroli, Room W4030**
(Students in this room must attend HSP Concentration I, Room W4030 in the 8:30am-10:30am session)

PUBLIC HEALTH TOPICS VI – **Andrea Ruff & Mervyn Christian, Room W2030**
(Students presenting in this session must attend Public Health Topics V, Room W2030 in the 8:30am-10:30am session)

PUBLIC HEALTH TOPICS VII - **Randy Bryant & Nukhba Zia, Room E6519**
(Students presenting in this session must attend Public Health Topics II, Room E6519 in the 8:30am-10:30am session)

PUBLIC HEALTH TOPICS VIII – **Laura Caulfield, Room W4013**

1:00-2:00PM

AWARD ANNOUNCEMENTS – SOMMER HALL, 2ND FLOOR
BOXED LUNCHESES FOR PRESENTERS – Wall of Wonder, 1ST FLOOR

Presenter Index

Name	Session Time	Room	Schedule on Page
Abesamis, Gabrielle	8:30-10:30	W4007	15
Abu-Bonsrah, Nancy	8:30-10:30	W2033	11
Acosta, Carlos	8:00-10:30	E9519	19
Adofo-Ansong, Nana	8:30-10:30	W3008	12
Ahmad, Bachar	8:30-10:30	W2008	13
Akindahunsi, Taiwo	8:30-10:30	W2017	20
Alaku, Chinemeihe	8:30-10:30	W2030	24
Ali, Rabia	8:30-10:30	W2033	11
Amezcuca, Cynthia	8:30-10:45	W2029	18
Amin, Md. Jobaer	8:30-10:30	W4030	17
Amoah, Akua	8:30-10:30	W5008	14
Apau, Anita	8:30-10:45	W2029	18
Aplin, Jasmine	11:00-1:00	W4013	33
Arikat, Loraine	11:00-1:00	W4007	28
Aryee, Ebenezer	11:00-1:00	W3008	25
Assefa, Redeat	11:00-1:00	W2008	26
Asuquo, Theresa	11:00-1:00	E6519	32
Ayoola, Adeoluwa	11:00-1:00	W4019	29
Azodoh, Chisom	8:00-10:30	E9519	19
Bai, Yun	8:30-10:30	W2030	24
Baldwin, Simone	8:30-10:30	W4013	23
Balsara, Khushbu	8:30-10:30	W4019	16

Presenter Index

Name	Session Time	Room	Schedule on Page
Black, Katelyn	8:30-10:30	W2030	24
Blum, Alexander	11:00-1:00	W5008	27
Bokhari, Syed Hashim Abbas Ali	11:00-1:00	W4030	30
Borota, Daniel	8:30-10:30	W2008	13
Bose, Sanuja	11:00-1:00	W3008	25
Bouchard-Gordon, Naomi	8:30-10:30	E6519	21
Bradshaw, Connor	11:00-1:00	W2008	26
Brooks, Brianna	11:00-1:00	E6519	32
Brunet, Lauren	11:00-1:00	W4019	29
Busath, Natalie	8:30-10:30	W2033	11
Carkhuff, Madison	11:00-1:00	W4007	28
Chotrani, Tanya	8:30-10:30	W2033	11
Clark, Kathleen	8:30-10:30	W4030	17
Colson-Fearon, Darien	8:30-10:30	W2008	13
Correia, Luis	11:00-1:00	W2030	31
Coufal, Megan	8:30-10:30	W4019	16
Davis, Lane	8:30-10:30	W4007	15
Dawson, Jessica	8:30-10:30	E6519	21
Esteban, Ignacio	8:30-10:45	W2029	18
Farheen, Shagufta	8:30-10:30	W2017	20
Folsom, Emilie	8:30-10:30	W2033	11
Frankel, Brendon	11:00-1:00	W4013	33

Presenter Index

Name	Session Time	Room	Schedule on Page
Ganganaboina, Sarika	11:00-1:00	W4019	29
Gardner, Hannah	8:30-10:30	W4007	15
Gentles, Andrew	11:00-1:00	E6519	32
Ghodke, Snehal Sunil	11:00-1:00	W3008	25
Gilpin, Katherine	8:30-10:30	W5008	14
Goldman, Scott	8:00-10:30	E9519	19
Golecha, Ria	11:00-1:00	W4007	28
Gore, Pearl	8:30-10:30	W4019	16
Graham, Thomas	11:00-1:00	W2030	31
Hanzlik, Mae	11:00-1:00	W2030	31
Herd, Robert	8:30-10:30	W2030	24
Hill, Rachel	8:00-10:30	E9519	19
Holler, Albert	8:30-10:30	W3008	12
Hou, Titus	11:00-1:00	W4019	29
Howard, Madeleine	8:00-10:30	E9519	19
Hughes, Rachel	8:30-10:30	W2008	13
Hwang, Jimin	11:00-1:00	W2008	26
Hwang, Mina	8:30-10:30	W4013	23
Iftikhar, Ali	8:30-10:30	W4030	17
Inagaki, Yoko	11:00-1:00	E6519	32
Jami, Meghana	11:00-1:00	W3008	25
Jwa, Sinchul	8:30-10:45	W2029	18

Presenter Index

Name	Session Time	Room	Schedule on Page
Kapur, Varun	11:00-1:00	W4030	30
Khan, Amir	11:00-1:00	W4019	29
Kim, Eun Bi	8:30-10:30	W4007	15
Kim, Myungsun	8:30-10:30	W2030	24
Kinzer, Michael	11:00-1:00	W3008	25
Knowles, Madelyn	8:30-10:30	W4013	23
Komuro, Naomi	11:00-1:00	W4007	28
Kordomenos, Cleanthe	8:30-10:30	W4030	17
Kuo, Shih-Chiang	8:30-10:30	W2008	13
Laber, Micaela	8:00-10:30	E9519	19
Lake, Kendall	8:30-10:30	W4013	23
Lepez Da Silva Duarte, Salome	8:30-10:30	E6519	21
Lim, Kara	8:30-10:30	W4019	16
Linares Bolsegui, Marisabel	11:00-1:00	W2030	31
Linder, Kathryn	11:00-1:00	W2008	26
Lkhagvajav, Zoljargal	8:30-10:30	W2015	22
Lu, Zhuoyan	8:30-10:30	W4030	17
Ma, Stephany	8:30-10:45	W2029	18
Macapagal, Natasha Daryle	8:30-10:30	W5008	14
Machavariani, Eteri	8:30-10:30	W2030	24
Magurno, Emily	8:30-10:30	E6519	21
Manobah, Burgess	11:00-1:00	E6519	32

Presenter Index

Name	Session Time	Room	Schedule on Page
Marquez, David	8:30-10:45	W2029	18
Medley, Andrea	8:30-10:30	W4007	15
Melucci, Nicholas	8:30-10:30	W2015	22
Mendez, Kyra	11:00-1:00	W5008	27
Morita, Dai	8:30-10:30	W5008	14
Murphy, Amelia	8:00-10:30	E9519	19
Nabia, Sarah	11:00-1:00	W4007	28
Namusisi, Prossy	8:30-10:30	W3008	12
Nauroz, Zeba	11:00-1:00	W3008	25
Nava, Paulina Helena	11:00-1:00	W4013	33
Newman-Plotnick, Harry	11:00-1:00	W2008	26
Nez, Tosheena	8:30-10:30	W2015	22
Ntabadde, Kauthrah	8:30-10:30	W5008	14
O'Donnell, Thomas	8:30-10:30	E6519	21
Ohene-Kyei, Elise Tirza	8:30-10:30	W2017	20
Okun, Rafaella	8:30-10:30	W4019	16
Oliva, Abigael	8:30-10:30	W4007	15
Oliver, Margaret	8:30-10:30	W2033	11
Olowojoba, Oluwatunmise	8:00-10:30	E9519	19
Oneill, Laurie	11:00-1:00	W4013	33
Onishi, Kazuma	11:00-1:00	W4013	33
ORourke, Lynnsey	8:30-10:30	W2015	22

Presenter Index

Name	Session Time	Room	Schedule on Page
Oyeka, Chigolum	11:00-1:00	W5008	27
Pantalone, Emily	8:00-10:30	E9519	19
Pardeshi, Geeta	8:30-10:30	W3008	12
Pardeshi, Shrikar	11:00-1:00	W4030	30
Park, Jewel	11:00-1:00	W2008	26
Pauliukonis, Jenifer	8:30-10:30	W2015	22
Perez de Acha Chavez, Javier	8:30-10:45	W2029	18
Purohit, Sonal	11:00-1:00	W2030	31
Qing, Annie	11:00-1:00	W4013	33
Rando, Hannah	11:00-1:00	W2030	31
Reis, Ronald	11:00-1:00	E6519	32
Ridhi, Smriti	8:30-10:30	W4030	17
Robinson, Michelle	8:30-10:30	W4007	15
Salem, Lindsay	8:30-10:30	W2017	20
Salvat Ballester, Maria	8:30-10:45	W2029	18
Sanrak, Kannikar	8:30-10:30	W2015	22
Savold, Jordan	8:00-10:30	E9519	19
Schiminger, Madeline	8:30-10:30	W4013	23
Shin, Seo Yim	8:30-10:45	W2029	18
Shinkar, Alan	8:30-10:30	W2008	13
Singh, Navsharan	11:00-1:00	W4013	33
Singh, Rohanit	11:00-1:00	W5008	27

Presenter Index

Name	Session Time	Room	Schedule on Page
Ssuuna, Joseph	8:30-10:30	W3008	12
St Fort, Ruth	11:00-1:00	W4007	28
Su, Vivian	11:00-1:00	W4019	29
Suprasert, Wannapa	8:30-10:30	W2033	11
Suresh, Rachana	11:00-1:00	W5008	27
Surko, Katherine	8:30-10:30	W2017	20
Suzuki, Aki	11:00-1:00	W4030	30
Swaich, Gurtejandeep	11:00-1:00	W4007	28
Tahir Banda, Umaima	8:30-10:30	W5008	14
Tan, Heang Lee	8:30-10:30	W4013	23
Tekalign, Rediet	8:30-10:30	W3008	12
Tillett, Emily	8:30-10:30	W5008	14
Torres, Crisanto	8:30-10:30	W2030	24
Tsai, Xinru	8:30-10:30	W2008	13
Ude, Nnamdi	8:30-10:30	W5008	14
Umar, Nasir	8:30-10:30	E6519	21
Umeojiaka, Oluomachukwu	8:30-10:30	W2015	22
Vasquez, Rodrigo	11:00-1:00	E6519	32
Vishwanath, Padmini	11:00-1:00	W4019	29
Waite, Avery	11:00-1:00	W4030	30
Wallach, Marianne	8:30-10:30	W4030	17
Wang, Yanzhao	11:00-1:00	W2008	26

Presenter Index

Name	Session Time	Room	Schedule on Page
Weinraub, Lily	8:30-10:30	E6519	21
Willie-Permor, Daniel	11:00-1:00	W3008	25
Wong, Abigail	8:30-10:30	W4019	16
Xu, Jing	8:30-10:30	W2017	20
Yeboah-Kordieh, Yvette	11:00-1:00	W5008	27
Yin, Anna	8:30-10:30	W2008	13
Zaheen, Sarah	8:30-10:30	W4007	15
Zaman, Fatima	8:30-10:30	W3008	12

Aging in Public Health and Customized

W2033

8:30-10:30

Moderators: Qian-Le Xue

Michelle Carlson

Tanya Chotrani

Examining Emergency Department Length of Stay for Older Adults with Dementia

Margaret Oliver

Effect of hearing loss on the association between comorbidity and mortality in older adults

Wannapa Suprasert

Associations between Residential Service Agency Characteristics and Staff Turnover in Maryland: Implications of the COVID-19 Pandemic

Nancy Abu-Bonsrah

Developing Actionable Policy Recommendations for the Enhancement of the Neurosurgical Workforce in Ghana

Natalie Busath

The Cost of Bearing Witness: An Umbrella Review Examining Predictors of Secondary Traumatic Stress

Emilie Folsom

Human Rights Violations in Migrant Children in the United States

Rabia Ali

Association of metabolic profile with memory and cognition in a predominantly African American Cohort

Epi & Biostat Methods for Public Health & Clinical Research Concentration I

W3008

8:30-10:30

Moderators: Rosa Crum

Tim Lee

Albert Holler

Cumulative Cancer Location Incidence and Cancer Progression in an Active Surveillance Cohort

Nana Adofo-Ansong

Does a transdisciplinary, multifaceted early mobility program lead to a reduction in ICU-acquired morbidity in critically ill pediatric surgical patients?

Prossy Namusisi

Determining the prevalence of unmet need for contraception among recent migrants and long-term residents by HIV status in the Rakai Community Cohort Study (RCCS).

Geeta Pardeshi

HbA1c trajectories and their association with treatment outcomes among new pulmonary Tuberculosis cases in Pune, India - A prospective cohort study

Joseph Ssuuna

Association between ownership of a means of transport (car, motorcycle or bicycle) and HIV viral suppression among HIV positive individuals in South-central Uganda

Rediet Tekalign

National Trends in the Treatment of Chronic Obstructive Pulmonary Disease in the United States, 2016 to 2021

Fatima Zaman

Assessing association between T-cell antigen receptor (TCR) variability and severity of COVID-19 disease

Epi & Biostat Methods for Public Health & Clinical Research Concentration II

W2008

8:30-10:30 **Moderators: Marie Diener-West**

- Bachar Ahmad** *Association of intraoperative hypertension with myocardial injury after noncardiac surgery in intensive care unit patients*
- Daniel Borota** *Characterizing Physician Suicide in the U.S. (2003-2017)*
- Darien Colson-Fearon** *The Impact of Child Protective Services Involvement on Pregnant and Postpartum Women in Substance Use Disorder Treatment*
- Rachel Hughes** *Risk Factors for Syphilis in Venezuelan Migrants Living in Colombia*
- Shih-Chiang Kuo** *Comparison of Lung Cancer Resection Outcomes Between The Society of Thoracic Surgeons Database Participants and the National Inpatient Sample*
- Alan Shinkar** *Bronchodilator Reversibility in HIV Positive Populations*
- Xinru Tsai** *Effects of behavioral weight loss interventions and Metformin treatment on inflammation markers*
- Anna Yin** *Serological Correlates of COVID-19 Disease Severity*

Epi & Biostat Methods for Public Health & Clinical Research Concentration III

W5008

8:30-10:30

Moderators: John McGready

Olivia Veira

Akua Amoah

Assessing the impact of stigma on HIV Testing Practices among MSM in United States

Katherine Gilpin

The impact of medication regimens on self reported pain outcomes among patients with RA

Natasha Daryle Macapagal

Association of Vitamin D, Inflammation and Prostate Cancer Risk in NHANES

Dai Morita

Is a mother's human coronavirus (HCoV) infection during pregnancy related to their children's HCoV infection after birth?

Kauthrah Ntabadde

Individual Factors Associated with Pre-Exposure Prophylaxis (PrEP) Knowledge, Ever-use and Discontinuation in a high HIV prevalence fishing community in South-Central Uganda

Umaima Tahir Banda

Association between Maternal Education and child mortality in Ghana

Emily Tillett

Preferences for features in long-acting injectable PrEP among U.S. Hispanic/Latino MSM in 2020: a best-worst scaling experiment

Nnamdi Ude

Gender Disparity in Inguinal Hernia Repair Outcomes: A Review Of The National Surgical Quality Improvement Program

Health Systems & Policy Concentration I

W4007

8:30-10:30 **Moderators: Mary Fox**

- Gabrielle Abesamis** *Prioritizing Access to Innovative Oncology Medicines in LMICs: Leveraging existing tools for value-based interventions*
- Lane Davis** *Measuring the Association of Metropolitan Area Characteristics with Individual Opioid Users' Attrition from Substance Use Disorder Treatment*
- Hannah Gardner** *Public Health Communication in a Time of Science Denial*
- Eun Bi Kim** *Abolish The Police: An Economic, Political, and Social Analysis on The Effects of Police Abolition in The United States*
- Andrea Medley** *Indigenizing Opioid Litigation Settlements: Co-creating Guidance that Center Harm Reduction Approaches*
- Abigael Oliva** *Policy Perspectives to Address Hearing Loss in Healthcare Settings*
- Michelle Robinson** *Drug Affordability: Disrupting the market for combination drugs, analyzing price, quality, and access*
- Sarah Zaheen** *Integration of Informal Care Providers in the National Health Policy in Bangladesh*

Health Systems & Policy Concentration II

W4019

8:30-10:30

Moderators: Dustin Gibson

Julian Fernandez

Khushbu Balsara

ASSESSMENT OF THE RELATIONSHIP BETWEEN THE EFFECT OF SMOKING AND PREVALENCE OF MENTAL HEALTH DISORDERS IN RESIDENTS OF MARYLAND, UNITED STATES

Megan Coufal

Policy Options to Improve Access to Child Passenger Safety Technician Services

Pearl Gore

Recommendations for the Allocation of the Bipartisan Infrastructure Law Tribal Funding for the Navajo Nation

Kara Lim

Analysis and timeline of public health national and district policies in response to COVID and to maintain health services in Bangladesh (national level) and specifically in the Cox's Bazar district

Rafaella Okun

COVID-19 in the Brazilian Amazon and Implications on Indigenous Populations: A Scoping Review

Abigail Wong

Violence affecting non-binary, gender expansive people in the United States during the COVID-19 pandemic

Health Systems & Policy Concentration III

W4030

8:30-10:30 **Moderators: Shannon Frattaroli**

- Md. Jobaer Amin** *FEASIBILITY OF USING RANDOM DIGIT DIALING PHONE SURVEYS IN BANGLADESH*
- Kathleen Clark** *Wildfires and the COVID-19 pandemic: A systematized literature review of converging health crises*
- Ali Iftikhar** *Cancer Mortality Rate Disparities by Sex and Race, All Sites, Lung, Breast, Prostate, Colorectal, Pancreas, Maryland, 2015 - 2019*
- Cleanthe Kordomenos** *Advancing High-Quality, Equitable, Person-Centered Care for Dually Eligible Beneficiaries via State Medicaid Agency Contracts*
- Zhuoyan Lu** *Review of Global Neurosurgical Capacity Building Initiatives*
- Smriti Ridhi** *Aid Driven Gender Mainstreaming in Developing Countries: A Case Study from Papua New Guinea*
- Marianne Wallach** *Policy Options to Improve Buprenorphine Access and Uptake for Individuals with Opioid Use Disorder in North Carolina*

Infectious Diseases Concentration

W2029

8:30-10:45

Moderators: Noreen Hynes

Photini Sinnis

Cynthia Amezcua

Supply and Impact of COVID-19 Vaccines through COVAX, Donations, and Bilateral Mechanisms in Latin America

Anita Apau

A RESEARCH PROPOSAL TO EVALUATE WEST NILE VIRUS PREVENTION STRATEGIES FOR INFECTION PREVENTION IN THE UNITED STATES (CALIFORNIA STATE)-WHAT ARE WE MISSING?

Ignacio Esteban

Geolocation of vaccine deserts in Argentina: strategies to promote equitable access to COVID-19 vaccination

Sinchul Jwa

A systematic review of interventions for reducing parental vaccine hesitancy

Stephany Ma

HIV Self-Testing: A Decade in Progress

David Marquez

Assessing Small Animal Veterinary Workforce Adaptations and Their Impacts on Preparedness and Response During the COVID-19 Pandemic

Javier Perez de Acha Chavez

HIV vaccine development: past clinical trials, challenges, and future directions using mRNA technology

Maria Salvat Ballester

Recrudescence of Plasmodium falciparum infections: A case-study and review of the literature

Seo Yim Shin

Feasibility and reliability of using smartphone-based cough recording to determine TB status in community-based screening

MPH/MBA Program

E9519

8:00-10:30

Moderators: David Chin

Stef Baral

Paul Whong

Carlos Acosta

Humanistic and Economic Burden of FSGS: A systematic review protocol

Scott Goldman

Regulatory and Corporate Governance Strategies with Respect to the Opioid Epidemic

Rachel Hill

Protecting women's health in the digital age: challenges of FDA regulation of software as a medical device

Micaela Laber

Recommendations to Facilitate the Interchangeable Biosimilars Market in the US

Amelia Murphy

Assessing Medicare Beneficiary Foregone Care During the COVID-19 Pandemic

Oluwatunmise Olowjoba

Health and Wealth: The Difference that Credit Makes

Emily Pantalone

How Effective are Digital Mental Health Interventions?

Jordan Savold

Racial Disparities in Alzheimer's Disease and the Role of the Pharmaceutical Industry in Advancing Health Equity for African American Populations

Madeleine Howard

Accessing Contraception in a Global Pandemic: The impact of COVID-19 on global family planning

Chisom Azodoh

An Analysis of Nigeria's Basic Health Care Provision Fund

Public Health Topics I

W2017

8:30-10:30 **Moderators: Keith West**

- Taiwo Akindahunsi** *Comparison of the Glasgow Outcome Scale and modified Rankin Scale (mRS) as Outcome Measures for Minimally Invasive Surgery Trials for Spontaneous Intracerebral Hemorrhage; A secondary analysis of the CLEAR III Trial*
- Shagufta Farheen** *Oral health related quality of life*
- Elise Tirza Ohene-Kyei** *USE OF ACCELERATOR GRANTS TO MAKE A POSITIVE IMPACT IN REHABILITATION AND HEALTH SYSTEMS*
- Lindsay Salem** *COVID-19 Epidemiology in Fragile Contexts: A Descriptive Analysis From Cox's Bazar, Bangladesh*
- Katherine Surko** *Examine the sufficiency of Maryland's standing order for naloxone in increasing community reversals and decreasing opioid overdose rates*
- Jing Xu** *Association of sleep and brain structure in children with Autism spectrum disorder*

Public Health Topics II

E6519

8:30-10:30

Moderators: Randy Bryant

Meghan Davis

Naomi Bouchard-Gordon

Post-Roe to Ruh Roe: The Changing Landscape of Abortion Access

Jessica Dawson

Racial and Ethnic Disparities in Mode of Anesthesia for Cesarean Delivery in the United States: A systematic review

Salome Lepez Da Silva Duarte

The Korean COVID-19 Vaccination Campaign: from National Lessons to Global Vaccine Hub

Emily Magurno

Non-traditional sources of public health surveillance data, their advantages and disadvantages, and key data collection considerations

Thomas O'Donnell

Association of Micronutrients in one-carbon metabolism with childhood risk of autism. A prospective birth cohort study.

Nasir Umar

Sex differences in the baseline TST and follow up Tuberculosis rate among people living with HIV in Brazil

Lily Weinraub

Parent education and support program: addressing eco-anxiety amongst young people in the United States through empowerment and engagement

Public Health Topics III

W2015

8:30-10:30 **Moderators: Nukhba Zia**

- Zoljargal Lkhagvajav** *Association Between Waiting Time and Post Transplant Survival in Recipients with HCC Outside Milan Criteria After Downstaging with Locoregional Therapy*
- Nicholas Melucci** *Alcohol Outlet Concentration and Domestic Violence Calls in Baltimore, MD*
- Tosheena Nez** *Addressing Substance Use Disparities in Indigenous Communities using Community knowledge and Culturally appropriate Initiatives for Healing*
- Lynnsey ORourke** *Program Proposal for Workplace Wellness in a Hotline Setting*
- Jenifer Pauliukonis** *ERPO Policy Recommendations in Maryland*
- Kannikar Sanrak** *The prevalence of compassion fatigue among nurse professionals in Southeast Asian Countries*
- Oluomachukwu Umeojiaka** *Hospital-Based Surveillance of Risk Factors for Severe Malaria in Nchelenge, Zambia*

Public Health Topics IV

W4013

8:30-10:30

Moderators: Paulani Mui

Jeffrey Hardesty

Simone Baldwin

AIR POLLUTION AND NEUROTOXICITY: A REVIEW OF CHRONIC EXPOSURE TO BENZENE, ETHYLENE OXIDE, FORMALDEHYDE AND ARSENIC

Mina Hwang

A Theoretical Framework for Race and Traumatic Injury

Madelyn Knowles

Connecting Mobile Phone Use to Social Support, Social Network Size, and Self-Reported Safety Among Adolescents in Rural Bangladesh

Kendall Lake

COVID-19 and Transgender Populations: A Literature Review

Madeline Schiminger

Chagas Disease

Heang Lee Tan

Evaluating Communities Care, a Social Norm Change Program to Tackle Gender-Based Violence

Public Health Topics V

W2030

8:30-10:30 **Moderators: Andrea Ruff**

Chinemeihe Alaku *VISUAL OUTCOMES AND PRACTICE PATTERNS FOR HERPES ZOSTER OPTHALMICUS IN THE UNITED STATES*

Yun Bai *Evaluation on Program of All-Inclusive Care for the Elderly (PACE): a coordinated care solution for the disadvantaged elderly*

Katelyn Black *Impact of abortion policies in the U.S.*

Robert Herd *ArcGIS & Regression Analysis of the Siyaphambili Dataset*

Myungsun Kim *Social determinants and impact of COVID-19 in South Asia*

Eteri Machavariani *Tuberculosis Stigma among TB Patients and Household Contacts*

Crisanto Torres *Association of whole blood with survival among patients presenting with severe hemorrhage in U.S. adult civilian trauma centers*

Epi & Biostat Methods for Public Health & Clinical Research Concentration IV

W3008

11:00-1:00

Moderators: Rosa Crum

Tim Lee

Ebenezer Aryee

Differential knowledge and malaria preventive behavior patterns between adolescent girls and women in Ghana

Sanuja Bose

Gender discrepancies in the medical management of patients undergoing carotid artery revascularization

Snehal Sunil Ghodke

Dietary Diversity of Low Income Children 6 to 24 months of age in Vellore, India, MAL-ED

Meghana Jami

The Impact of Policy Reform on the Utilization of Anterior Cervical Discectomy and Fusion

Michael Kinzer

A Typology of COVID-19 Beliefs

Zeba Nauroz

Impact of COVID-19 on Buprenorphine Uptake

Daniel Willie-Permor

HEALTH INFORMATION TECHNOLOGY USAGE PATTERNS AMONG UNITED STATES ADULTS WITH HYPERTENSION IN 2011-2018 NATIONAL HEALTH INTERVIEW SURVEY(NHIS): A SNAPSHOT ASSESSMENT OF DIGITAL HEALTH OPPORTUNITIES AND BARRIERS

11:00-1:00 **Moderators: Marie Diener-West**

Redeat Assefa

Lifestyle Risk Factors for Hepatocellular Carcinoma

Connor Bradshaw

Risk factors of illicit drug use among female sex workers living with HIV

Jimin Hwang

The association between socioeconomic status and use of potentially inappropriate medications in older adults

Kathryn Linder

Emergency Department Visits for Attempted Suicide and Non-fatal Self Injury Among Patients with Cancer in the United States

Harry Newman-Plotnick

Criminal justice involvement as a risk factor for poor outcomes following trauma

Jewel Park

Association between suicide attempt and only-child status in South Korean middle and high school students: a nationwide cross-sectional study

Yanzhao Wang

Spatial and anatomical features from SD-OCT and associations with visual acuity in ABCA4-associated Stargardt Disease (STGD1)

Epi & Biostat Methods for Public Health & Clinical Research Concentration VI

W5008

11:00-1:00 **Moderators: John McGready**

Alexander Blum *Assessing outcomes and side effects of injectable TB drug regimens in MDR-TB patients*

Kyra Mendez *Functional declines among older adult cancer survivors*

Chigolum Oyeka *Influence of preconception maternal BMI on child BMI trajectory*

Rohanit Singh *Factors Associated with Primary Care Provider (PCP) Use Among Home Dialysis Patients*

Rachana Suresh *Analysis of readmission rates among patients with diabetic foot ulcers managed with soft-tissue reconstructive surgery- A retrospective review using HCUP-Nationwide Readmissions Database*

Yvette Yeboah-Kordieh *Ideal Age to Start Coronary Artery Calcium Screening Among Young Adults*

Health Systems & Policy Concentration IV

W4007

11:00-1:00 **Moderators: Mary Fox**

- Lorraine Arikat** *Organizing for Community Power in Baltimore through Community Land Trusts*
- Madison Carkhuff** *The Impact of Conditional and Unconditional Cash Transfers on Maternal, Newborn, and Child Health and Nutrition: A Scoping Review*
- Ria Golecha** *COVID-19 & Cholera: Reducing Missed Opportunities to Promote Oral Cholera Vaccines in Cholera Endemic Settings*
- Naomi Komuro** *Changes in fertility intentions during the first year of the COVID-19 pandemic in six settings in sub-Saharan Africa*
- Ruth St Fort** *Low Income Tax Credit and How it Affects Child Maltreatment*
- Gurtejandeep Swaich** *Has there been an increase in on screen smoking by women in India*
- Sarah Nabia** *Regional Perspectives on COVID-19 Vaccine Rollout from sub-Saharan Africa*

Health Systems & Policy Concentration V

W4019

11:00-1:00

Moderators: Dustin Gibson

Julian Fernandez

Adeoluwa Ayoola

Prevalence and Factors Associated with Overweight and Obesity in rural and peri-urban communities in Uganda

Lauren Brunet

Supporting Incarcerated Pregnant People with Opioid Use Disorder in Maryland: A Rapid Health Impact Assessment of HB1120

Sarika Ganganaboina

Economic Empowerment of Women in Agriculture - Challenges and Interventions in Indian Context

Titus Hou

Comparing diagnoses preceding nonaccidental trauma (NAT) and accidental trauma

Amir Khan

Trends in Postoperative Outcomes after Robotic Prostatectomy: A Contemporary Analysis of Complications and Readmissions over Time

Vivian Su

A QUALITATIVE ANALYSIS OF PREGNANT INCARCERATED WOMEN'S PERCEPTIONS OF A PRISON NURSERY PROGRAM

Padmini Vishwanath

Strengthening health systems through digital technology for social accountability in low- and middle-income countries: A scoping review

Health Systems & Policy Concentration VI

W4030

11:00-1:00 **Moderators: Shannon Frattaroli**

Syed Hashim Abbas Ali Bokha *Effects of Depression on pain in Orthopaedic trauma patients*

Varun Kapur *Analysis of risk factors for death in pediatric burn injuries globally using the WHO Burn Registryabase*

Shrikar Pardeshi *Accelerating India's Journey towards Universal Health Coverage Leveraging Strengths of the Ayushman Bharat Program*

Aki Suzuki *AMR and athma*

Avery Waite *Implications of Volume Guarantees on Global Health Systems*

Public Health Topics VI

W2030

11:00-1:00

Moderators: Andrea Ruff Mervyn Christian

Luis Correia

Quality of Evidence Supporting FDA Approval of Novel Cardiovascular Drugs

Thomas Graham

The Implementation of Restorative Practices across Sectors

Mae Hanzlik

Transportation Safety & Enforcement: A research proposal for a quantitative study analyzing self-enforcing street design in comparison to traffic enforcement

Marisabel Linares Bolsegui

Quantifying healthcare trends utilization in patients who undergo surgery for nTOS in an All-Payer Rate-Controlled Health System

Sonal Purohit

Mobile Phone Usage by Adolescents in Rural Bangladesh

Hannah Rando

Impact of Global Budget Revenue model on lobectomies for primary lung cancer

Public Health Topics VII

E6519

11:00-1:00

Moderators: Randy Bryant

Nukhba Zia

Theresa Asuquo

A Synthesis of the Evidence and Interventions regarding Structural Racism and Pediatric Obesity

Brianna Brooks

Empowering Aging in Place Through the Assessment and Modification of Housing Elements Associated with Preventable Injuries

Andrew Gentles

Comparison of Hypertension Management between Urban and Rural Primary Care Clinics in Baltimore, Maryland

Yoko Inagaki

Systematic Review Of Community Health Workers' Role In Hypertension Care Across The Globe

Burgess Manobah

Outcomes of Pediatric Severe Traumatic Brain Injury following Interfacility Transfers

Ronald Reis

Beyond Flexner: A Critical Analysis and Policy Proposal for U.S. Medical School Admissions.

Rodrigo Vasquez

Determinants Associated With Internalized Stigma Among People Living With HIV in Lesotho

Public Health Topics VIII

W4013

11:00-1:00 **Moderators: Laura Caulfield**

Jasmine Aplin *Managing your Title VI Grants*

Brendon Frankel *Evaluating the Impact of a Provider Outreach Strategy to Address COVID-19 Vaccine Hesitancy in Baltimore City*

Paulina Helena Nava *Social Return on Investment Analysis: Whole Person Care Housing Support*

Laurie Oneill *Liberia: Multiple Micronutrient Supplement Intake in Pregnancy for Reduction of Stunting Prevalence Rates*

Kazuma Onishi *Matrix Metalloproteinases as a biomarker in uterine fibroids*

Annie Qing *Housing and HIV among people who use drugs in Baltimore*

Navsharan Singh *Preoperative Opioid Use and Its Association with Postoperative Outcomes in Neurooncological Surgery*

Master of Public Health
MPH CAPSTONE AWARD RECIPIENTS
May 2022

Special honors are given to the 16 students listed below for their capstone written projects.
These students will receive an MPH capstone award plaque for outstanding achievement.

Anurima Baidya

“Clinical and immunological markers of pulmonary impairment in HIV infected Indian adults”
Capstone Advisor: Amita Gupta

Joel Baumgart

Louis B. Fink MPH Capstone Award for Outstanding Achievement

“Environmental risk factors and Parkinson’s disease: etiology and comparative analysis of regulatory frameworks”
Capstone Advisor: Keshia Pollack Porter

Abigail Carlson

MPH Capstone Award of Distinction

“Ensuring the Supply of Personal Protective Equipment for Healthcare”
Capstone Advisor: Anthony So

Alivia Coleman

“A Health in All Policies (HiAP) Approach to Local Land Use Decision-Making Processes”
Capstone Advisor: Keshia Pollack Porter

Ellie DeGarmo

MPH COVID-Related Capstone Award of Distinction

“How have U.S. states used law during the COVID-19 pandemic with respect to people who are undocumented?”
Capstone Advisor: Lainie Rutkow

Fabricio Garcia

“Impacts of the 2017 National Primary Care Policy in public primary health care in Rio de Janeiro, Brazil.”
Capstone Advisor: Mariana Social

Kescha Kazmi

“Missed Opportunities for Vaccine Equity (MOVE): Increasing childhood vaccination through hospital-based catch-up vaccinations and community outreach in India: a pre- and post-intervention analysis”
Capstone Advisor: Anita Shet

Rachel Lamparelli

“PBMs and the U.S. Prescription Drug Market: How States are Leading the Charge for Transparency and Regulation”
Capstone Advisor: Mariana Social

Janice Miller

“The magnitude of undercounting for adults experiencing intimate partner violence and homelessness in Maryland”
Capstone Advisor: Michele Decker

Samantha Mravca

“Scoping Review: Association between Adventure Playgrounds and Injuries in Children”
Capstone Advisor: Andrea Gielen

Maggie Oliver

“Hearing Loss as a Modifier of the Association between Comorbidities and Mortality Over Time”
Capstone Advisor: Jennifer Deal

Michelle Robinson

“Drug Affordability: Disrupting the market for combination drugs, analyzing price, quality, and access.”
Capstone Advisor: Gerard Anderson

Rohanit Singh

“Factors Associated with Primary Care Services Among Home Dialysis Patients.”
Capstone Advisor: Bernard Jaar

G. Sean Stapleton

Department of Environmental Health and Engineering MPH Capstone Award

“Contamination of retail meat with multidrug-resistant bacteria differs by for-consumer package label claim indicating on-farm antibiotic use practices—United States, 2016-2019”
Capstone Advisor: Meghan Davis

Jennifer Pauliukonis

“Maryland Extreme Risk Protective Order Policy and Implementation Recommendations”
Capstone Advisor: Shannon Frattaroli

Anjiya Sulaiman

“Training allies: An internal medicine residency training program to improve care for gender diverse patients”
Capstone Advisor: Danielle German