Master of Public Health
Capstone Presentations
May 15, 2021

Program

Johns Hopkins Bloomberg School of Public Health
Baltimore, Maryland
Agenda
https://jh.zoom.us/j/97245947347?pwd=bndCZEZPSzVhYjB2dU40Z1N6di9PQT09
Meeting ID: 972 4594 7347 and Passcode: 223800

*Breakout rooms are designated by the bolded acronym*

8:30-10:30AM  **MORNING SESSION ONE**

EPI & BIOST METHODS FOR PUBLIC HEALTH & CLINICAL RESEARCH CONCENTRATION I (**Epi Biostat 1**) – Rosa Crum & Annie Martin

EPI & BIOST METHODS FOR PUBLIC HEALTH & CLINICAL RESEARCH CONCENTRATION II (**Epi Biostat 2**) – Marie Diener-West & Chinenye Ugoji

HEALTH SYSTEMS & POLICY CONCENTRATION I (**HSP 1**) – Mary Fox & Shivam Gupta
(Students must attend breakout room HSP 2 for the 11am-1:00pm session)

PUBLIC HEALTH TOPICS I (**PH 1**) – Laura Caulfield & Alison Huang
(Students must attend breakout room PH 3 for the 11am-1:00pm session)

PUBLIC HEALTH TOPICS II (**PH 2**) – Paulani Mui & Jeffrey Hardesty
(Students must attend breakout room PH 4 for the 11am-1:00pm session)

10:30-11:00AM  **BREAK**

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

EPI & BIOST METHODS FOR PUBLIC HEALTH & CLINICAL RESEARCH CONCENTRATION III (**Epi Biostat 3**) – Rosa Crum & Annie Martin

EPI & BIOST METHODS FOR PUBLIC HEALTH & CLINICAL RESEARCH CONCENTRATION IV (**Epi Biostat 4**) – Marie Diener-West & Chinenye Ugoji

HEALTH SYSTEMS & POLICY CONCENTRATION II (**HSP 2**) – Shivam Gupta & Elizabeth Stone
(Students must attend breakout room HSP 1 for the 8:30am-11:00am session)

INFECTION DISEASES CONCENTRATION (**ID**) – Noreen Hynes, Photini Sinnis, Clive Shiff & Kawser Talaat
(Students must attend breakout room PH 2 for the 8:30am-11:00am session)

MPH MBA PROGRAM (**MPH MBA**) – David Chin & Stef Baral
(Students must attend breakout room PH 2 for the 8:30am-11:00am session)

PUBLIC HEALTH TOPICS III (**PH 3**) – Keith West & Nukhba Zia
(Students must attend breakout room PH 1 for the 8:30am-11:00am session)

PUBLIC HEALTH TOPICS IV (**PH 4**) – Jackie Agnew & Alison Huang
(Students must attend breakout room PH 2 for the 8:30am-11:00am session)

PUBLIC HEALTH TOPICS V (**PH 5**) – Andrea Ruff & Randy Bryant
(Students must attend breakout room PH 1 for the 8:30am-11:00am session)

1:10PM  **AWARD ANNOUNCEMENTS**
<table>
<thead>
<tr>
<th>Moderator(s)</th>
<th>Title</th>
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<tbody>
<tr>
<td>Neha Anand</td>
<td>Prenatal acetaminophen exposure and childhood attention-deficit/hyperactivity disorder (ADHD): methionine as a partial mediator</td>
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<td>Lorene Cudjoe</td>
<td>Severe Maternal Morbidity and Mortality between Races by Community Type in Maryland from 2012 to 2020</td>
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<td>Dana Goplerud</td>
<td>The association of low-income housing and outdoor air pollution</td>
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<td>Cheng-Yueh Hsu</td>
<td>The association between Brain-Derived Neurotrophic Factors (BDNF) with Chronic-Kidney Disease (CKD) among angina patients</td>
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<td>Alvin Kwon</td>
<td>Association between sociodemographic factors, substance use, chronic comorbid disease conditions and HIV with pain among persons aging with HIV infection and injection drug use in the AIDS Linked to the IntraVenous Experience (ALIVE) Study</td>
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<td>Joelynn Muwanga</td>
<td>Association of rhabdomyolysis with fluoroquinolones: A comparative analysis with alternative antibiotics</td>
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<td>Kshitiz Paudel</td>
<td>What is the association between sex/age and time-window availability for TB contact investigation in urban Uganda?</td>
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<tr>
<td>Shreya Srivastava</td>
<td>Association between Kidney Function and Lipid Levels in Older Adults: The Atherosclerosis Risk in Communities (ARIC) Study</td>
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Epi & Biostat Methods for Public Health & Clinical Research Concentration II

8:30-10:30

Moderators: Marie Diener-West Chineny Ugoji

Alec Aaron
The early impacts of COVID-19 on food security and livelihood in Vietnam

Lama Assi
Hearing Loss and Health Care Utilization Among Medicare Beneficiaries

Po-Heng Chen
Effect of weight loss on liver enzyme level

Sindhura Karlapudi
Use of Benzodiazepines in the elderly from 2016-2020

Deepthi Mallela
Racial disparities in the perioperative outcomes of carotid endarterectomy in patients with asymptomatic carotid artery stenosis

Kori Porosnicu Rodriguez
Investigating the Association Between Circulating Antibodies Against Oral Bacteria and Colorectal Cancer Risk in the Atherosclerosis Risk in Communities (ARIC) Study

Sandra Smiley
Canada’s crackdown on poppers and crystal methamphetamine use among sexual minority men: A secondary data analysis

Hursuong Vongsachang
Epidemiology of Pediatric Primary Ophthalmic Inpatient Admissions in the United States

Maria Garcia-Dominguez
Functional Outcomes differ between vascular and inflammatory myelopathies
Master of Public Health Capstone Symposium, May 2021

Health Systems & Policy Concentration I

8:30-10:30  Moderators:  Mary Fox  Shivam Gupta

Melanie Bechard  Changes in Pediatric Injury Patterns During COVID19

Jeffrey Edwards  Racial Disparities in COVID-19 in the United States

Christopher Hollabaugh  Impact of COVID-19 on Anesthesiology Practice

Hannah Maniates  Medicaid Enrollment After Incarceration: Best Practices and Gaps in Care

Ayako Nakase  A systematic review to inform updated HIV guidance from the World Health Organization: online case management for men who have sex with men

Patrick Shikani  ClearMask: Case Study on the Importance of Entrepreneurship in Public Health
Public Health Topics I

8:30-10:30

Moderators: Laura Caulfield  Alison Huang

Bolanle Akinyele  Feasibility of CPR Training For Secondary School Students In Southwest, Nigeria

Grace Lassiter  Pediatric Surgical Oncology Costs in Maryland

Mayumi Masumura  Be active today, and save your future: Hospital-based online yoga program for hypertension in Japan

MaLaysia Mitchell  Essential Workers: Community Health Workers’ Perceptions of COVID-19 Care Program

Cassondra Randolph  Reevaluating Support Groups for U.S. Veterans During the COVID-19 Pandemic

Lilyanna Thompson  Optimizing virtual community health worker trainings in the rural highlands of Guatemala

Benjamin Wormser  What happens to patients when their drug switches tiers?

Kelsey Zack  Nutrition services in Southern Mozambique: An analysis of the reliability of data collection methods
**Public Health Topics II**

8:30-10:30  
**Moderators:**  Paulani Mui  Jeffrey Hardesty

**Annabelle Brennan**  
*Learning and leading: a course in culture building and leadership for health professionals*

**Logan Dennis**  
*Idaho’s Medicaid Expansion: A Program Evaluation of the First Year*

**Tsai-Tong Lee**  
*Increasing Utilization and Access to Maternal Services: A Quality Improvement Project in the Rural Maasai Region of Tanzania*

**Christina Memmott**  
*Risk and Resilience in the Health Workforce: Understanding and supporting the experiences of women health workers during COVID-19*

**Amy VanderStoep**  
*The Impact of Trauma Volume on Morbidity and Mortality Hospital Outcomes in Geriatric Populations with Varying Injuries*

**Mollie Young**  
*Analysis: Healthy Hunger Free Kids Act*
Master of Public Health Capstone Symposium, May 2021

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

**11:00-1:00**

**Moderators:** Rosa Crum, Annie Martin

**Bani Antonio Aguirre**
*Risk factors and incidence of Cystic Macular Edema in Retinitis Pigmentosa*

**Zhongyue Deng**
*Prevalence of LGV in CT positive patients and associations with demographic, behavioral, or clinical factors*

**Joey Francis Hernandez**
*Assessing the factors associated with vitamin A deficiency among children under 5 in the Philippines*

**Vimal Konduri**
*The Impact of the COVID-19 Pandemic on Global School Feeding*

**Thomas Le**
*Asian American self-reported discrimination in healthcare and health service utilization*

**Molly Mantus**
*Impact of Spatial Variation in Access to Community Health Workers on Malaria Outcomes among Children in a High Transmission Region in Zambia*

**Jessica Salas-Brooks**
*Examining Racial Disparities in Adverse Birth Outcomes using PRAMS*

**Elisabeth Tawa**
*Examining patterns of differential DNA methylation in association with awakening cortisol*
Epi & Biostat Methods for Public Health & Clinical Research Concentration IV

11:00-1:00       Moderators:  Marie Diener-West  Chineny Ugoji

Joel Chavez Ortiz  The association between sexual-related stigma and STI status

Claire Chen  Stigma and Quality of Life of Female Sex Workers Living with HIV

Long Hoang  Center-level variation in getting a living-donor kidney transplant

Suyan Hu  Country-level analysis of risk factors on COVID-19

Rachel Anne Pagador  Change in Mental Health Symptoms during COVID-19 Pandemic Between Age Groups in the US

Paul Rebman  Patient-Level Characteristics Associated with Loss from Club-Based Care among HIV Adherence Club Participants in South Africa

Monika Satoskar  Cardiovascular and Pulmonary Outcomes in COVID-19 Patients

John Shin  Role of hearing impairment in cognitive decline and progression to dementia in older adults
Health Systems & Policy Concentration II

11:00-1:00  Moderators:  Shivam Gupta  Elizabeth Stone

Lauren-Ashley Daley  Creating Equity Through Cannabis Legislation

Armando Gallegos  Thoracic Transplantation Under the HOPE Act: Transplant Incidence Over Time in Candidates Living with HIV and Policy Recommendation

Tushar Garg Ashley  A systematic review of active case-finding for tuberculosis in India

Matter  Educating Clinicians on General Principles of Firearm Injury and State-Specific Firearm Policies to Enhance Patient Care

Vy Nguyen  Assessing the Epidemiology of Falls Among Pediatric Patients During the COVID-19 Epoch
Infectious Diseases Concentration

11:00-1:00  Moderators:  Noreen Hynes  Clive Shiff  Photini Sinnis  Kawsar Talaat

Tatenda Makoni  Safety and efficacy of antiretroviral drugs (ARVs) used in the prevention of mother-to-child transmission of HIV

Lily Sangmi Nam  Characteristics of Proposed and Enacted State Legislation on Childhood Vaccination Exemptions, 2018-2020

Sanika Satoskar  Trends in Head Injury Patterns in the Pediatric Population during the COVID-19 Era.
Master of Public Health Capstone Symposium, May 2021

MPH/MBA Program

11:00-1:00    Moderators: David Chin    Stef Baral

Zachary Britt    Strengthening U.S. Health Systems to Meet the Impacts of Climate Change: Applying Lessons Learned from the U.S. Response to COVID-19

Mwende Mburu    A Use Case for IV Iron in Treating Maternal Anemia in LMICs

Katherine Narvaez Mena    Unmet Standards and Lack of Accountability Exacerbate the Public Health Crisis and Human Rights Violations in ICE Detention Facilities


Eda Reed    Reflection and Action to Improve Self-Reliance and Effectiveness (RAISE) Tool and Connections to Family Planning Outcomes

Sara Skelton    Developing Organizational Strategy in Global Digital Health
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<tr>
<td>11:00-1:00</td>
<td><strong>Moderators:</strong> Keith West, Nukhba Zia</td>
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<td></td>
<td>Elizabeth Constantz: <em>Analysis of Correlates for Early Child Marriage in Ethiopia</em></td>
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<td>Isna Aulia Fajarini: <em>Low Psychosocial Factors Associated with Higher Sugary Foods and Beverages Consumption Among Low Income African American Adolescents in Baltimore</em></td>
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<td>Toria Hawkins: <em>The Role of Restorative Justice in US Nonprofits: A Living Classroom Foundation Training on Restorative Programming</em></td>
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<td>Kimberly Khoo: <em>Understanding Exposure to Plastic Surgery at the Undergraduate University Level</em></td>
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<td>Paige Volpenhein: <em>Addressing social vulnerabilities to food insecurity after disasters: Implications for food NPOs in South Florida</em></td>
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### Public Health Topics IV

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<tr>
<th>Time</th>
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| 11:00-1:00 | Jackie Agnew, Alison Huang | **Margarita Correa-Mendez**  
Application of the capability, opportunity, motivation and behavior (COM-B) model to identify facilitators and barriers to cervical cancer screening in Iquitos, Peru |
|          |                            | **Emily Foxman**  
Building a Culture of Health: The Gulf Coast Food Systems Map                        |
|          |                            | **Mary MacHaca**  
Assessing Cambodian diet profiles and creation of a 24-hour dietary recall tool     |
|          |                            | **Rachael Molitor**  
The Integration of Community Health Workers in a Primary Care Setting: A review of successful studies, current strategies, and best practices in the United States |
|          |                            | **Ayam Nouiouat**  
Mental Health Service Utilization Patterns Amongst Immigrants vs Nonimmigrants & Barriers to Access |
|          |                            | **Olivia Veira**  
The Impact of the Special Supplemental Nutrition Program for Women, Infants, and Children (WIC) on Infant Mortality |
Public Health Topics V

11:00-1:00  Moderators:  Andrea Ruff  Randy Bryant

Katia Domingues  Evaluating the Efficacy of Malaria Interventions on Mortality Outcomes in Sub-Saharan Africa: Historical Analysis and Implications for the Future


Adela Mahmutovic  Suicide Response and Difficult Conversations Training for Health System Support Staff

Adjoa Ofosu-Ameyaw  Assessment of the Use of Communicative Technologies in Increasing Quality of Life in Frail Seniors

Emily Stirzaker  Who pays, who benefits? Tax Incentives for Private Health Insurance in Australia and the United States

Karn Wijarnpreecha  Outcomes of simultaneous liver transplant and bariatric surgery: A systematic review
Master of Public Health Capstone
AWARD RECIPIENTS
May 2021

Special honors are given to the 14 students listed below for their capstone written projects. These students will receive an MPH capstone award plaque for outstanding achievement.

Saquer Alkharabsheh
“Direct Oral Anticoagulants vs Vitamin K Antagonists in Management of Patients with Left Ventricular Thrombus”
Capstone Advisor: John Muschelli \ Faculty Advisor: John Muschelli

Melanie Bechard
MPH Capstone COVID-Related Research Award
“Poisoning-Related Pediatric Emergency Department Visits During the COVID-19 Pandemic in the Baltimore City Area”
Capstone Advisor: Andrea Gielen \ Faculty Advisor: Johnathan Ehsani

Jung Byun
Department of Environmental Health and Engineering MPH Capstone Award
“Race, Copy Number Variation, and Local Hog Concentration in Breast Cancer Mortality”
Capstone Advisor: Paul Strickland \ Faculty Advisor: Christine Ladd-Acosta

Omar Dzaye
“Coronary Artery Calcium is Associated with Increased Risk for Lung and Colorectal Cancer in Men and women: The Multi-Ethnic Study of Atherosclerosis (MESA)”
Capstone Advisor: Michael Blaha \ Faculty Advisor: Alison Gemmill

Dana Goplerud
“The Association of Low-income Housing and Outdoor Air Pollution”
Capstone Advisor: Craig Pollack \ Faculty Advisor: Mary Catherine Beach

Tomomitsu Ichikawa
“Factors Associated with Home Deaths in Elderly Patients Receiving Home Medical Care in Japan: A Historic Cohort Study”
Capstone Advisor: Qian-Li Xue \ Faculty Advisor: Mark Bittle

Monique Jindahl
“The Impact of Policing on the Health and Well Being of Black Youth”
Capstone Advisor: Maria Trent, Carlos \ Faculty Advisor: Susan Hannam

Chao Long
MPH Capstone Award of Distinction
“Developing a Multimedia Patient-Reported Outcomes Measure for Low Literacy Patients”
Capstone Advisor: Laura Beres \ Faculty Advisor: Albert Wu

Molly Mantus
“Impact of Spatial Variation in Access to Community Health Workers on Malaria Outcomes among Children in a High Transmission Region in Zambia”
Capstone Advisor: Matthew Ippolito \ Faculty Advisor: Saifuddin Ahmed

Dana McLaughlin
MPH Capstone COVID-Related Research Award
Capstone Advisor: Paul Robinson \ Faculty Advisor: Courtland Robinson

Tria Rooney
“Direct Provision in Ireland”
Capstone Advisor: Courtland Robinson \ Faculty Advisor: Courtland Robinson

Micaela Root
Department of Environmental Health and Engineering MPH Capstone Award
“Philadelphia’s Restitution of Water Service during COVID-19”
Capstone Advisor: Summer Rosenstock \ Faculty Advisor: Wendy Bennett

Natasha Shah
“Strategies for Vaccine Product Innovation: Creating an Enabling Environment for Product Development-to-Uptake in Low- and Middle-Income Countries”
Capstone Advisor: David Sack \ Faculty Advisor: David Sack

Emily Stirzaker
Capstone Advisor: Gerard Anderson \ Faculty Advisor: Bryan Patenaude