Master of Public Health

Capstone Presentations

May 9, 2020

Program

Johns Hopkins Bloomberg School of Public Health
Baltimore, Maryland
MORNING SESSION ONE

EPI & BIOST METHODS FOR PUBLIC HEALTH & CLINICAL RESEARCH
CONCENTRATION I – Rosa Crum & Albert Osei
https://jh.zoom.us/j/99450015493?pwd=RFV2VnRrQ11BNW5QaVhLdzVXbUlZdz09
Meeting ID: 994 5001 5493 Password: 004082

EPI & BIOST METHODS FOR PUBLIC HEALTH & CLINICAL RESEARCH
CONCENTRATION II – Marie Diener-West & Oluwafemi Owodunni
https://jhjhm.zoom.us/j/92765201025?pwd=ZW42d3hYbVVRZDVFeGhLUXpnMW1mdz09
Meeting ID: 927 6520 1025 Password: 705903

HEALTH SYSTEMS & POLICY CONCENTRATION I – Mary Fox & Rachel Presskreicher
https://jh.zoom.us/j/95353676157?pwd=aTZISlFUMTVWZGNzdURndBRDRxZz09
Meeting ID: 953 5367 6157 Password: 261530

HEALTH SYSTEMS & POLICY CONCENTRATION II – Shivam Gupta & Nukhba Zia
https://us02web.zoom.us/j/86578656150?pwd=ZEF5UkxlOFJHVGNENlhSSk5pdUFJUT09
Meeting ID: 865 7865 6150 Password: 155987

PUBLIC HEALTH TOPICS I – Keith West & Paulani Mui
https://jh.zoom.us/j/96326080077?pwd=T2VRaFd1N1FxTnFiVG1wU3Y0e1N2dz09
Meeting ID: 963 2608 0077 Password: 912689

PUBLIC HEALTH TOPICS II – Randy Bryant & Kayla Tormohlen
https://JHUBlueJays.zoom.us/j/9206347081?pwd=Zke2S3ZaOVR4UEVvQUJNd0trSVJSUT09
Meeting ID: 920 6347 081 Password: 013361

PUBLIC HEALTH TOPICS III – Laura Caulfield & Mohammad Darwish
https://jh.zoom.us/j/95302123822?pwd=Y0Q2MkdJMjVnSUtGb3k3NkdUEUE5JUT09
Meeting ID: 953 0212 3822 Password: 419176

PUBLIC HEALTH TOPICS IV – Donna Strobino & Niranjani Nagarajan
https://jh.zoom.us/j/9830828402?pwd=R2JiTWFqYTdMQml3RGZJYkNXZUFWdz09
Meeting ID: 983 0822 8402 Password: 018121

PUBLIC HEALTH TOPICS V – Andrea Ruff & Jeffrey Hardesty
https://jhjhm.zoom.us/j/91944284202?pwd=YmRRL1h0UmVQWa xaXNCMjhtbG9WZz09
Meeting ID: 919 4428 4202 Password: 328137

PUBLIC HEALTH TOPICS VI – Jackie Agnew & Daniel Antiporta
https://JHUBlueJays.zoom.us/j/93073147119?pwd=ZTIzTmxYOURWRmF0akIrcjdkSDNnUT09
Meeting ID: 930 7314 7119 Password: 877247

10:30-11:00AM BREAK
MPH CAPSTONE SYMPOSIUM
SATURDAY, MAY 9, 2020
AGENDA

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

EPI & BIODS METHODS FOR PUBLIC HEALTH & CLINICAL RESEARCH CONCENTRATION III – Rosa Crum & Albert Osei
https://jh.zoom.us/j/94588581098?pwd=ZjV4amhBRjd2VFNFROVsN0ZnMk9ndz09
Meeting ID: 945 8858 1098 Password: 006312

EPI & BIODS METHODS FOR PUBLIC HEALTH & CLINICAL RESEARCH CONCENTRATION IV – Marie Diener-West & Oluwafemi Owodunni
https://jhjhm.zoom.us/j/92765201025?pwd=ZW42d3hYbVVRZDvFeghLUXpnMWImdz09
Meeting ID: 927 6520 1025 Password: 705903

INFECTIOUS DISEASES CONCENTRATION – Kawsar Talaat & Clive Shiff
https://jh.zoom.us/j/99351997959?pwd=VTZyYVJ0UIU1NVRwaU0NXhwdGpmZz09
Meeting ID: 993 5199 7959 Password: 550755

MPH MBA PROGRAM – David Chin & Paul Whong
https://us02web.zoom.us/j/85709927458
Meeting ID: 857 0992 7458

PUBLIC HEALTH TOPICS VII – Andrea Ruff & Isaac Botchey
https://jhjhm.zoom.us/j/91944284202?pwd=YmRRL1h0UmVQWNlaXNCMjhtbG9WZz09
Meeting ID: 919 4428 4202 Password: 328137

PUBLIC HEALTH TOPICS VIII - Randy Bryant & Kayla Tormohlen
https://JHUBlueJays.zoom.us/j/92063347081?pwd=Zkc2S3ZaOVFvQUNd0trSVJSUT09
Meeting ID: 920 6334 7081 Password: 013361

PUBLIC HEALTH TOPICS IX – Jackie Agnew & Daniel Antiporta
https://JHUBlueJays.zoom.us/j/93073147119?pwd=ZTIzTmxOYlVRM0akIrcjdkSDNnUT09
Meeting ID: 930 7314 7119 Password: 877247

1:10 PM  AWARD ANNOUNCEMENTS
Master of Public Health Capstone Symposium, May 2020

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

8:30-10:30  Moderators:  Rosa Crum  Albert Osei

Tanya Abdul-Malak  
Night-to-night Variability in Obstructive Sleep Apnea as measured by Apnea–hypopnea index (AHI)

Ellen Boakye  
VARIATIONS IN THE RISK OF PREECLAMPSIA BY MOTHER’S COUNTRY/REGION OF BIRTH AND DURATION OF STAY IN THE U.S. AMONG BLACK WOMEN IN THE U.S

Julia Eckstein  
Polypharmacy as a risk factor for cognitive impairment and frailty in older adults

Shima Idries  
Assessing social and economic predictors of ART adherence at baseline for women enrolled in the PROMOTE multi-country cohort study

Priya Pathak  
Validation of Edmonton Frail Scale to predict surgical outcomes in Elderly

Stephen Shields  
Inpatient Dysglycemia and Mortality Risk via the Charlson Comorbidity Index

Julia Wainger  
Effects of Surgeon and Hospital Case Volume on 30-Day Outcomes for Renal Cancer Nephrectomies

George Zhang  
Does neighborhood disadvantage adversely affect post-operative outcomes for rectal cancer?
Epi & Biostat Methods for Public Health & Clinical Research Concentration II

8:30-10:30

Moderators: Marie Diener-West  Oluwafemi Owodunni

Ahmed Ibrahim Ahmed  Does insurance determine the setting for Breast-Conserving Surgery: An analysis of data from HSCRC

Nicole Fischer  Angiotensin-Converting-Enzyme Inhibitors Protective Against Uterine Fibroid Development

Kaitlyn Hardell  Age-related changes in cancer survival after treatment

Martha Kirabo  Predictors and longitudinal trends of HAART disuse among HIV positive participants in the Rakai Community Cohort Study (RCCS)

Heng-Yu Lin  Association of Speech in Noise Perception on the Measures of Hearing Handicap

Fatima Qamar  Assessment of trends in surgical outcomes in US in patients with metastatic breast cancer

Anna Marie Young  Association of asymptomatic treatment of Trichomonas infection with preterm delivery
Health Systems & Policy Concentration I

8:30-10:30  Moderators:  Mary Fox  Rachel Presskreicher

Dinesh Arora  Meeting the Unmet: The Unusual Way

Maryam Ghariban  Assessment of Zoning Policies and the Effect on DWI Incidence Surrounding a Dry Territory

William Nguyen  COST-EFFECTIVENESS OF DESCovy VERSUS GENERIC TRUVADA: A COMPARISON OF DIFFERENT SCENARIOS

Manish Sreevatsava  Understanding the impact of private equity firms buying up medical practices. Focusing impact on cost of care and quality of care for patients

Michaela Whitelaw  Menstrual Equity in the United States: An issue of Public Health, Justice, and Policy
Health Systems & Policy Concentration II

8:30-10:30 Moderators: Shivam Gupta Nukhba Zia

Brian Chen  Methods of Physician Network Identification and Applications Towards Quantifying Physician Care Coordination

Sanjay Goyal  Identification of Barriers and Assessment of Use of Predictive Algorithms for Referral of Maternal Cases in Public Health Settings

Laura Mansilla  U.S. Immigration Enforcement Policy: Implications for Pregnant Women in Detention Facilities

Rameet Sachdev  A Meta Analysis Exploring Effectiveness of Post-mastectomy Radiation Therapy in Breast Cancer Patients with 1 to 3 Positive Lymph Nodes: Implications for LMIC’s

Jean Marc Tshivuila  Evaluation of the Trends of Methods Mix of Contraceptive Prevalence Among Women Aged 15-24 years in Kinshasa, in the Democratic Republic of Congo from 2013 to 2018
Public Health Topics I

8:30-10:30

Moderators: Keith West  Paulani Mui

Mina Akhavan  Utilization of Facebook for Patient Recruitment for a Community-Based Study

Doris Chen  Long-term cocaine use is associated with coronary plaque burden independent of HIV status

Naiqing Gu  Bringing patients into commercial insurance: A comparison of insurance systems in two countries

Hannah Johnson  A proposed multi-site mixed methods study on law enforcement-involved post-opioid overdose outreach programs

Benjamin Kahn  Understanding and Characterizing Vaccine Hesitancy in South Asia: A Scoping Literature Review and Analysis

Buyan Li  Enhance the Role of Primary Care Institutions in Chronic disease management in China: a literature review

Hana Schwartz  Assessing the Risk of Bias in Recent Developments of Predictive Models of Emergency Department Utilization

Ahsan Zil-E-Ali  Survival and Morbidity Outcomes of Penetrating Injury to Great Vessels of Thorax
Public Health Topics II

8:30-10:30  Moderators: Randy Bryant  Kayla Tormohlen

Ezinne Akudinobi  Stakeholders analysis of dysmenorrhea management and policies for adolescents in the United States

Li-Kuang Chen  Temporal Association Between Early Childhood Obesity and Pubertal Onset

Shilpa Gopinath  A population based study on the clinical and prognostic factors of breast cancer in Native American women from the Surveillance Epidemiology and End Result (SEER) Database

Keyan Javadi  Defining the Duration of an Oral Cholera Vaccine Antigen Shedding in the Stool of a Vaccinated Population in Nepal as Determined by RDT and PCR Methods

Masahiro Katahira  Mentoring nurses to improve quality of delivery care at primary health centers: Evidence from Bihar, India

Esther Lee  Establishing Respiratory Rate Percentiles for Preterm and Term Infants from birth to 2 Months of Life in Bangladesh

Daniella Malave  Operational Preparedness Checklist for INGOs Responding to Major Disease Outbreak Response

Caroline Rains  Wasted Food and Sustainable Urban Systems: Challenges and Research Needs
Public Health Topics III

8:30-10:30  Moderators:  Laura Caulfield          Mohammad Darwish

Omar Cherkaoui  The Invisible Unmarried of Morocco: Analysis of Family Planning Needs and Policies

Elizabeth Golightly  The Cure Violence model: A literature review of its impact on urban gun violence

Gurpreet Kaur  Impact of conflict on safe delivery programming in Nigeria

Nelson Malone  Changes in Penetrating Injury Patterns/Trauma Outcomes in Baltimore City Surrounding the Death of Freddie Gray Jr. in 2015

Sara Wallach  The Battle to Ban: The Practice of LGBTQ+ Conversion Therapy and International Efforts to Eliminate It
Public Health Topics IV

8:30-10:30

Moderators: Donna Strobino  Niranjani Nagarajan

Sadia Arshad  GDF 15 and risk of lower-extremity peripheral artery disease in the Atherosclerosis Risk in Communities (ARIC) Study

Kaitlyn Ciampaglio  A Spatial Analysis of Alcohol Outlets Surrounding the Navajo Nation in Arizona

Brian Fung  Analysis of the 21st Century Cures Act on Reducing Clinician Burden Attributable to Health Information Technology & Electronic Health Records

Paavani Jain  Isolation analyses among disabled older women: The Women's Health and Aging Study I

Mikaela Kelly  “I Get Called It All” Exploring the terminology preferences of young women impacted by commercial sexual exploitation

Ashni Mathew  Social Interactions in HOPE VI Mixed-Income Communities: The State of Evidence

Tzu-Miao Pu  Psychological pain among people who use drugs

Kirtana Viswanathan  Association between Leukocyte Telomere Length and Infectious Outcomes after Elective Surgery
## Public Health Topics V

<table>
<thead>
<tr>
<th>Time</th>
<th>Moderators:</th>
<th>Presenters</th>
<th>Title</th>
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<tbody>
<tr>
<td>8:30-10:30</td>
<td>Andrea Ruff</td>
<td>Jennifer Baker</td>
<td>Keeping Maryland’s Seniors Engaged: Assessing the Impact of Maryland’s Community for Life Program on Older Adult Social Isolation</td>
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<td>Jeffrey Hardesty</td>
<td>Zoe Demko</td>
<td>Universal ART and Treatment Adherence among People Living with HIV in Rio de Janeiro, Brazil</td>
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<td>Rebecca Fowler</td>
<td>Systematic Review of Service Provisions for Intimate Partner Violence Among Black Gay and Bisexual Men</td>
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<td>Qifan Hu</td>
<td>Youth vaping in U.S. and China: a literature review of health risks, epidemic trend, policies, and upcoming challenges</td>
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<td>Yunjeong Kim</td>
<td>Six-month monitoring of nutritional status among child participants of Positive Deviance/Hearth program in rural Bangladesh</td>
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<td>Darcy Milburn</td>
<td>Assessing Hospital Policy &amp; Practice Re. Medical Debt Collection</td>
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<td>Eli Pousson</td>
<td>The Effects of Vacant Housing Demolition and Vacant Lot Stewardship on Health and Safety</td>
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<td>Kristen Vescera</td>
<td>Veteran Identity Modeling: A Thematic Analysis</td>
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Public Health Topics VI

8:30-10:30  Moderators:  Jackie Agnew  Daniel Antiporta

Aanika Balaji  An Analysis of a Multidisciplinary Immune-Related Toxicity (IR-Tox) Program for Immune-Related Adverse Events: A 2-Year Experience

Katherine Elfer  Cancer Incidence and Screening Guidelines for Transgender Individuals: A Scoping Review

Rebecca Florsheim  Particulate Matter Pollution and Health: A Literature Review and Presentation of Novel Findings

Kyle Hill  Indigenous Resilience: Exploring the Relationship of Cultural Connectedness to concepts of wellness and in Great Lakes Anishinaabeg in U.S. and Canada

Ryan Koski-Vacirca  Patient welfare: analyzing three federal surprise medical billing solutions

Neha Misra  Determining a relationship between severity of cicatricial disease and severity of trichiasis in a hyper endemic district of Tanzania

Bernardo Pessoa  Secondary ovarian cancer from colorectal metastasis: a systematic review and meta-analysis

Alia Sunderji  Causes of Mortality among Wayuu Children in Colombia
Epi & Biostat Methods for Public Health & Clinical Research Concentration III

11:00-1:00  Moderators:  Rosa Crum  Albert Osei

Jihad Al-Khatib  Price Transparency in Vascular Surgery: Assessing Predictor Variables of Total Charge for a Femoral-Popliteal Bypass in an All-Payer Rate-Setting System

John Erhabor  Differences in the impacts of traditional cardiovascular risk factors on coronary heart disease and stroke among blacks and whites in the US population

Ting-Wei Hsu  Post-operative outcomes of bariatric surgery in patients with Cronh's disease

Brittany Jenkins  Differences in co-morbidity and modifiable lifestyle risk factors in African-American female cancer survivors

Nana Oduro  Abortion care in Ghana: A secondary analysis of the 2017 Ghana Maternal to determine predictors of uptake of post abortion contraception

Kuang-Heng Wang  Determine the association between Traumatic Experience of Childhood Abuse and Resilience among Adults with or without the Who Are experienceing of Homelessness in Baltimore City since 2016
**Epi & Biostat Methods for Public Health & Clinical Research Concentration IV**

11:00-1:00  
Moderators:  
Marie Diener-West  
Oluwafemi Owodunni

Janice Allotey  
*Determinants of Phthalate Exposure in Latino Workers in the US*

Yolanda Arthur  
*Determination of Preventative Health Care services vary depending on HIV status in Baltimore*

Eric Broni  
*Blood Biomarkers for Neonatal Hypoxic Ischemic Encephalopathy in the absence of maternal sentinel events*

Tyler Fan  
*Cardiovascular and Metabolic Scaling in CARDIA*

Leah Froehle  
*Independent Association Between Alcohol Intake and Bacterial Vaginosis*

Emily Pond  
*Correlates of PrEP Knowledge Among Women at Risk for HIV*
**Infectious Diseases Concentration**

8:30-10:30  
**Moderators:** Clive Shiff Kawsar Talaat

**Erin Beasley**  
*Monkeypox Medical Countermeasures in Low-income and High-income Countries*

**Vignesh Chidambaram**  
*Effects of hypertension and calcium-channel blockers on TB treatment outcomes*

**Sophia Shea**  
*The Utilization of Community Health Worker-Delivered Treatment for Acute Malnutrition in Humanitarian Contexts*

**Nyan Lynn Tun**  
*Impact of Isoniazid Adherence on TB Incidence and Mortality in HIV Infected Individuals by Week 96*

**Sophia Winchester**  
*Surgical Outcomes from Hepatitis C Lung and Heart Transplants*

**Zoe Demko**  
*Universal ART and Treatment Adherence among People Living with HIV in Rio de Janeiro, Brazil*
**MPH/MBA Program**

**11:00-1:00**

**Moderators:** David Chin  
Paul Whong

- **Salma El Marjiya Villarreal**  
*Surgical Ecosystem: statewide evaluation of hospital characteristics and distribution of surgical services*

- **Vadi Esmailizadeh**  
*The Role of Value Assessment in Drug Pricing Policy*

- **Michael Yong**  
*Cost-effectiveness analysis of a new mHealth school hearing screening program and telemedicine referral system in Alaska*

- **Eric Young**  
*Evaluating the Implementation of CMS's Primary Care First Program*

- **Banda Khalifa**  
*CORRELATES OF RECENT HIV/STI TESTING, STIGMA AND MENTAL HEALTH AMONG FEMALE SEX WORKERS IN THE GAMBIA: A CROSS-SECTIONAL ANALYSES*

- **Priya Mysore**  
*Assessing Trustedness for Institutions working in LMICs*

- **Rie Tai**  
*Developing an Outpatient Cancer Clinic in Northern Kolkata, India*

- **Annie Sanford**  
*The Distillation Project*

- **Jiahe Liang**  
*A Systematic Survey of 2019 Newly Approved Molecular Entities and Associated Manufacturer Sponsored Patient Solution Programs*

- **Yiyu chen**  
*10-year China Health Care Reform progress and future policy proposals in equity among access, quality, and cost*
Master of Public Health Capstone Symposium, May 2020

Public Health Topics VII

11:00-1:00

Moderators: Andrea Ruff Isaac Botchey

James Bien
Screening Children for Adverse Childhood Experiences by Indiana Pediatricians

Catherine Fischer
Is there added value to reanalyze clinical diagnostic data using Watson for Genomics?

Sonia Herrera Arevalo
Proposed Latin American School of Malariology for Elimination: Education and Training for Malaria Elimination

Eric Kramer
Med-Psych Units and Medical Education

Anna Najor
Structure and personal vulnerabilities associated with housing status among women who sell sex in Baltimore, Maryland

Esosa Nosakhare
Management of Neonatal abstinence syndrome - A review of hospital-wide quality improvement initiatives

Laura O'Sullivan
Antimicrobial Stewardship Training for Veterinary Students: An Educational Analysis

Yi Sun
Mental Health Disorders and Interventions among Transgender Adolescents after 2000: A Narrative Review
Public Health Topics VIII

11:00-1:00 Moderators: Randy Bryant Kayla Tormohlen

Brady Campbell Patient Outcomes in Blunt Liver Injury with Associated Burn Injury: A review of the National Trauma Data Bank

Semra Etyemez Documented medical and neurobehavioral conditions in Autism Spectrum Disorder: The role of intellectual disability (ID) and child sex

Norma Ferraro Transition to adolescence as an opportunity: Improving multiple health outcomes through parenting skill enhancement

Waqas Haque Implications of the 2019 ACC/AHA Primary Prevention Guidelines for Asymptomatic South Asian Individuals Living in the US: The Mediators of Atherosclerosis in South Asians Living in America (MASALA) Study

Yaa Kwapong Maternal Mid-Pregnancy 1-hour glucose screening test results and birth outcomes in an urban low income minority US population

Sophie Neuner A Culturally Congruent COVID-19 Response in Karuk Aboriginal Territory: Analysis of Strengths, Vulnerabilities, Threats and Opportunities

Eniola Oluyemi Racial Disparities in Breast Cancer Survival: A focus on imaging access

Weibo Shao Literature Review of Non-profit Organisation working on increase accessibility and lower the price of generic drugs
Public Health Topics IX

11:00-1:00  Moderators:  Jackie Agnew  Daniel Antiporta

Mihir Chaudhary  Assessing the Effect of Clinical Guidelines on the Utilization of Spinal MRI in the Obtunded Adult Blunt Trauma Patient Over Time

Tolulope Fashina  Text message reminders for pediatric immunizations: An assessment of a non-governmental organization’s program in Western Nigeria

Hala Hamadah  Existing ICU Preparedness Plans for Respiratory Virus Pandemics

Khansae Nowir  FACTORS BEHIND FAILURE TO TIMELY ESCALATION OF CARE IN PEDIATRICS SETTING

Opeyemi Oladapo-shittu  The Impact of E-Cigarettes on Adverse Pregnancy Outcomes

Neha Shanker  Exploring the threshold concept in chemical risk assessment: origins, current practice, and future directions

Rachel Stinson  Surge Capacity Building for an Emergency Department in a High Income Setting during COVID-19

Katherine Zellner  Analysis of Patterns in Dietary and Accelerometry Data in NHANES