



JOHNS HOPKINS
BLOOMBERG SCHOOL
of PUBLIC HEALTH

Master of Public Health
Capstone Presentations
May 11, 2019

Program

Johns Hopkins Bloomberg School of Public Health

Baltimore, Maryland

MPH CAPSTONE SYMPOSIUM
SATURDAY, MAY 11, 2019

AGENDA

- 7:15-8:30AM **COFFEE AND BAGELS** – FEINSTONE HALL (E2030), 2ND FLOOR
(SESSION ONE PRESENTERS LOAD PRESENTATIONS ON COMPUTERS)
- MORNING SESSION ONE**
- 7:30-10:30AM EPI & BIOST METHODS FOR PUBLIC HEALTH & CLINICAL RESEARCH
CONCENTRATION I – **David Dowdy & Albert Osei, Room W3008**
- 7:30-10:30AM EPI & BIOST METHODS FOR PUBLIC HEALTH & CLINICAL RESEARCH
CONCENTRATION II – **Marie Diener-West & Oluwafemi Owodunni, Room W2008**
- 7:30-10:30AM EPI & BIOST METHODS FOR PUBLIC HEALTH & CLINICAL RESEARCH
CONCENTRATION III – **John McGready & Kayode Sosina, Room W5008**
- 8:30-10:30AM HEALTH LEADERSHIP & MANAGEMENT CONCENTRATION – **Mark Bittle & Anbrasi Edward, Room W2033** (*Students in this room must attend the MPH/MBA II and Health Leadership & Management Concentration session, Room E9519 in the 11am-1:00pm session*)
- 8:30-10:30AM HEALTH SYSTEMS & POLICY CONCENTRATION I – **Shannon Frattaroli, Paulani Mui & Jessica Mirano, 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 – **Shivam Gupta & Oshin Kanwar, 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 HUMANITARIAN HEALTH CONCENTRATION I – **Courtland Robinson & Mohammad Darwish, Room W4030** (*Students must return to this room to attend Humanitarian Health Concentration II and Customized for the 11am 1:00pm session*)
- 8:15-10:30AM INFECTIOUS DISEASES CONCENTRATION – **Noreen Hynes & Clive Shiff, Room W2029**
(*Students in this room must attend Public Health Topics VI, Room W2030 in the 11am-1:00pm session*)
- 8:30-10:30AM MPH/MBA I – **Doug Hough & 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 & Joe Amoah, 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 & Isaac Botchey, 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 – **Qian-Le Xue & Joseph Cheaib, 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 – **Donna Strobino & Kayla Tormohlen, 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 & Jeffrey Hardesty, Room W2030**
(*Students must return to this room to attend Public Health Topics VI in the 11am-1:00pm session*)

MPH CAPSTONE SYMPOSIUM
SATURDAY, MAY 11, 2019

AGENDA

10:30-11:00AM ***BREAK*** – FEINSTONE HALL, 2ND FLOOR
(SESSION TWO PRESENTERS LOAD PRESENTATIONS ON COMPUTERS)

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

EPI & BIST METHODS FOR PUBLIC HEALTH & CLINICAL RESEARCH CONCENTRATION IV –
Rosa Crum & Albert Osei, Room W3008

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

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

HEALTH SYSTEMS & POLICY CONCENTRATION III – **Shannon Frattaroli, Jon Vernick &
Jessica Mirano, Room W4007**

HEALTH SYSTEMS & POLICY CONCENTRATION IV – **Shivam Gupta & Oshin Kanwar,
Room W4019**

HUMANITARIAN HEALTH CONCENTRATION II AND CUSTOMIZED – **Courtland Robinson &
Mohammad Darwish, Room W4030**
(Students in this room must attend Humanitarian Health Concentration I, Room W4030 in the 8:30am-10:30am session)

MPH/MBA II AND HEALTH LEADERSHIP & MANAGEMENT CONCENTRATION –
Dough Hough, Mark Bittle, Anbrasi Edward & Paul Whong, Room E9519
(All MPH/MBA and Health Leadership & Management Concentration Students must attend this session)

PUBLIC HEALTH TOPICS VI – **Andrea Ruff & Jeffrey Hardesty, 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 & Isaac Botchey, Room E6519**
(Students presenting in this session must attend Public Health Topics II, Room E6519 in the 8:30am-10:30am session)

1:00-2:00PM ***LUNCH & AWARD ANNOUNCEMENTS*** – FEINSTONE HALL, 2ND FLOOR

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

W3008

7:30-10:30

Moderators: David Dowdy

Albert Osei

Sarah Boyd

Water and Sanitation Household Risk Factor Analysis for Cholera in Peri-Urban Bangladesh

Viraj Ambalam

Psychosocial contributors to early neonatal mortality in North-Western Bangladesh

Charis Benjamin

Cord blood Vitamin D levels and associated risk factors in a US urban low-income minority population

Ijeamaka Ezebilo

Trends in opioid prescriptions in sickle cell disease in the United States

Isabella Gomes

Prevalence and Correlates of Intimate Partner Violence Among Sexual-Minority Men Over a Ten-Year Period: Findings from the Multicenter AIDS Cohort Study

Doudou Huang

Bias in Chinese-sponsored Clinical Trials

Amy Huang

Racial and gender differences in mycosis fungoides: a clinicopathologic retrospective cohort study

Richard Nudotor

Comparing Remission and Relapse of Hypertension After Bariatric Surgery: Roux En-Y Gastric Bypass vs. Vertical Sleeve Gastrectomy

Modupe Oduwole

Contraceptive use in Nigeria; Prevalence, factors influencing use and policy implications

Eric Tischler

Descriptive and Multivariable Cost Analysis comparing External and Internal Fixation Treatment for Open Tibial Fractures

Jingwen Xu

Is Bariatric Surgery Benefiting Females and Males Differently? Differences of Bariatric Surgery Outcomes Based on Sex

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

W2008

7:30-10:30 **Moderators: Marie Diener-West Oluwafemi Owodunni**

- Rupali Sood** *Breast Cancer Treatment at a Zonal Hospital in Mwanza, Tanzania*
- Neha Ahmad** *Correlates of Personal Overdose in a Rural Population of People Who Inject Drugs*
- Pyoenggyun Choe** *Impact of National Policy on the infection control activities in hospitals in Korea*
- Camille Hage** *The prevalence and burden of self-reported head and facial pain in U.S. Emergency Departments in 2015*
- Olivia Kezirian** *Care giving and patient outcomes in dementia and Alzheimer's patients*
- Chih-Yang Mao** *Predictors of non-accidental trauma recidivism among suspected child abuse victims in Maryland*
- Niranjani Nagarajan** *Epidemiology of corneal ulcer-related emergency department visits in the United States between 2006-2015*
- Thomas Pritchard** *Correlates of acceptability for hypothetical forms of PREP for HIV prevention among rural drug users*
- Esmeralda Ramirez-Pena** *A comparative analysis of the demographic and prognostic factors of women diagnosed with metastatic breast cancer and triple negative cancer in Maryland compared to the U.S.*
- Sung Huang Laurent Tsai** *Trauma Centers transition from level 2 to level 1: Are they prepared enough?*
- Yingfei Wu** *Effects of carbohydrate amount and glycemic index on hunger, diet satisfaction, and diet-related symptoms including heartburn: Results from the OmniCarb randomized clinical trial*
- Joseph Yoon** *Emergency Department Based Intervention to Improve Heat Stroke Diagnosis and Management in Karachi, Pakistan*

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

W5008

7:30-10:30

Moderators: John McGready

Kayode Sosina

- Rosalind Clara Basil** *Relationship between diabetes and depressive symptoms in HIV infected individuals*
- Jian Chu** *Pre-Post analysis of ECMO coagulopathy outcomes following implementation of new guidelines*
- Xue Jia** *Improving precision by adjusting for baseline variables in randomized trials with binary outcomes, without regression model assumptions*
- Samiha Khan** *Alcohol Intake and Subsequent Risk of Incident Peripheral Artery Disease (PAD): The Atherosclerosis Risk in Communities (ARIC) Study*
- Constance Lau** *Assessing the spatial dependence of tuberculosis case status in urban Kampala*
- Lyndsey Mixson** *The association of homelessness and being a victim of a crime amongst cisgender and transgender female sex workers in Baltimore city*
- Minh Phuong Nguyen** *Impacts of STD/HIV Outreach Sites on Effectiveness of Detecting New Infections in Baltimore City*
- Ikponmwosa Osaghae** *Predictors of Intentional Non-Fatal Assaults or Violence Among Adolescents in Rural Bangladesh*
- Olivia Samson** *Spatial Analysis of Malaria Surveillance Data, Zambia 2014*
- Aishwarya Shukla** *Hearing Loss, Hearing Aid Use and Depressive Symptoms in Older Adults – Findings from the Atherosclerosis Risk in Communities Neurocognitive Study (ARIC-NCS)*
- Seema Subedi** *How does women's employment status affect their health-decision making?*

Health Leadership & Management Concentration

W2033

8:30-10:30

Moderators: Mark Bittle

Anbrasi Edward

Michael Goldstein

Preventing More Harm - Reducing Childhood Lead Poisoning with Community Health Workers

Chao Huang

Comparison of Global Budget in Shanghai and Maryland and Lessons Learned

Amr Mirdad

Accountability study: The Perception of Aramco Healthcare

Jordan Levi Rodriguez Hernan *Designing a Monitory and Evaluation Framework for a Telemedicine Program*

Jacqueline Rollin

A Strategic Plan for Investing in a Single, Unified Patient Reported Outcomes Data Collection System at the Sidney Kimmel Comprehensive Cancer Center

Esmeralda Ruiz

Cervical Cancer Screening Interventions Targeting Immigrant Latina Women in the United States

Praveen Tummalapalli

An Analysis of State Preemption Laws as a Means to Limit Local Government Authority and Subsequent Public Health Effect

Health Systems & Policy Concentration I

W4007

8:30-10:30

Moderators: Shannon Frattaroli Paulani Mui

Jessica Mirano

Laura Boyden

Review and Evaluation of the Merit Based Incentive Payments System for Primary Care Physicians and Specialists

Daniel Emont

Assertive Community Treatment for those with Severe Mental Illness

Maximilian Gradel

Economic Evaluation of HIV/AIDS Prevention Strategies in Malawi: Development and Description of a Mathematical Model

Ryan Nugraha

Exploring the Barriers and Facilitators in Cigarette Tax Expansion in Indonesia

Madeleine O'Neill

The IMD Exclusion Repeal: Is it a sound policy priority during the Opioid Epidemic?

Neha Reddy

Trichomonas vaginalis in Adolescent and Young Adult Males in STI-Prevalent Communities: Policy Recommendations to Address Disparities & Promote Public Health Control

Maya Sandalow

Food Waste: existing policies and analysis of the proposed Food Date Labeling Act

Nathan Wooding

Where should policy focus for success in effective peer-based interventions targeted at reducing HTN disparities amongst Black women?

Health Systems & Policy Concentration II

W4019

8:30-10:30 **Moderators: Shivam Gupta Oshin Kanwar**

- Alejandra Ellison-Barnes** *Potential for Unintended Consequences: The Association Between Smoking and Body Mass Index Among Public Housing Residents in Baltimore, MD*
- Zaina Kiragu** *Community-Based Delivery Models For Anti-Retroviral Therapy (CBART) Involving People Living With HIV/AIDS: Policy Considerations For Uptake In Kenya*
- Ekta Paw** *The Effect of Alcohol on Facial Trauma Outcomes: An NTDB Analysis*
- Cameron Schilling** *Economic Implications of Housing Mobility for Pediatric Asthma in Baltimore City*
- Larissa Spagnol Silverman** *Epidemiology of Road Traffic Injury Patients Presenting to a Tertiary Hospital in Visakhapatnam, India*
- Mia Stange** *Terra Firma: Preliminary Outcomes of a Medical-Legal Partnership for Unaccompanied Immigrant Youth*
- Sara Westergaard** *A Landscape Analysis of Competency-Based Curriculum Reform in Sub-Saharan African Medical Schools*

Humanitarian Health Concentration I

W4030

8:30-10:30 **Moderators: Courtland Robinson Mohammad Darwish**

- Kelly Buchanan-Gelb** *Literature Review: Is "cash" effective in Humanitarian Emergencies?*
- Ruth Chadwick** *A Year in Review: Phases of clinical care provided to the Rohingya Refugee population in the Samaritan's Purse Kutupalong Health Clinic*
- Jenna DiFilippo** *Qualitative Literature Review on The Mental Health Needs of Latino Immigrant Youths in The Baltimore City School System*
- Lisa Hoffmann** *Enhancing the Quality of Screening and Measurement of Hypertension for Outpatients in an Ambulatory Setting in Tanzania*
- Allison Jeffery** *Child Marriage among Displaced Populations in the Kurdistan Region of Iraq: Gender Considerations for Program Design and Implementation*
- Chiho Miyake** *A Situation Analysis on Resilience Capacities of the Health System in UNRWA during the Acute Financial Crisis in 2018*
- Andrew Ryan** *Nutrition and WASH Behavior Change Program Plan Proposal for Central African Refugees in the Adamawa Region of Cameroon*
- Brianna Saunders** *Investigating the Ebola Crisis in the Democratic Republic of Congo and why it is not a Public Health Emergency of International Concern*

Infectious Diseases Concentration

W2029

8:15-10:30

Moderators: Noreen Hynes

Clive Shiff

Stephanie Cerritos

Analyzing the Medicaid application process and the Role of Community Health Workers for Undocumented Immigrants and their Medicaid-eligible Children

Nina Deoras

Assessing the impact of current intervention methods on reduction of C. difficile transmission in the Med B unit of the Johns Hopkins Bayview Hospital

Ashiya Khan

Literature review of cryptococcal infection management in HIV patients

Hyungwoo Kim

Hospital Internal Preparedness for an Outbreak of High Consequence Pathogen - No Notice Drill for Respiratory Pathogens

Nicholas Luciano

Preparedness and Response for a Nipah Virus Outbreak: Medical Countermeasures and Public Health Interventions

Elena Martin

Evaluating differences in adverse effects associated with vaccine preventable high consequence pathogens

Jadmin Mostel

Examining Environmental Determinants of Malaria and Mosquito Foraging in Macha, Zambia

Nazia Rahman

Risk Factors Associated with Sexually Transmitted Infection Diagnosis in Lesbian, Gay, and Bisexual Women Attending Baltimore City Health Department STI Clinics From 2005 to 2016

Jesus Ramirez

Evaluating the Concordance of Clinician Antiretroviral Prescribing Practices and HIV-ASSIST, an Online Clinical Decision Support Tool

MPH/MBA I

E9519

8:30-10:30

Moderators: Doug Hough

Paul Whong

Kate Cieslowski

An Evaluation Method for the Direct Primary Care Pilot Program at Johns Hopkins Community Physicians

Elizabeth Phelan

Moyo Honey: A Social Enterprise

Agostino Pozzi

The economic value of improved communication in hospitals

Mayriam Robles

Prioritizing Digital Health Efforts in Low- and Middle-income Countries: A Solution to Bridging Gaps in Care

Alexander Salman

Business proposal for a novel health insurance plan

Jennifer Scheideler

Meal Kit Delivery Services: Examining the Environmental Tradeoffs between Extra Packaging and Food Waste Reduction

Jon Souleles

Cost Benefit Analysis for Keratoconus

Sarah Webb

Costing Analysis of the Common Elements Treatment Approach (CETA) in Addressing Intimate Partner Violence (IPV) in Zambia

Public Health Topics I

W2017

8:30-10:30

Moderators: Keith West

Joe Amoah

Mary Fox

Evaluation of the Mother Mentor Program of the Ghana Health and Education Initiative

Sarah Aheron

Analysis of Service Availability & Readiness for Malaria in Mozambique

Byron Batchelor

Using the Healthy Eating Index to Compare Dietary Intake of Children in CACFP versus Non-CACFP Childcare Centers

Asar Das

Improving the Patient Engagement and Participation in Cardiopulmonary Rehabilitation Programs to Maximize the Benefits

Pallavi Jayadev

School based sex education as an intervention to reduce HIV/AIDS among adolescents in sub-Saharan Africa

Niyati Sharma

Potential effects of gestational vitamin A deficiency and its effect on melanogenesis, pigmentary and other skin disorders in South Asia: A 25 Year Longitudinal Follow-up Study of Trial Cohort in Rural Nepal

Allison Walker-Elders

Youth outreach among Tunza Social Enterprise clinics in East Africa: a comparative study in Kenya and Uganda

James Wu

Clinical Trial Endpoint Outcome Effects on Stock Market Returns: A Research Proposal

Public Health Topics II

E6519

8:30-10:30

Moderators: Randy Bryant Isaac Botchey

Yahya Alnashri

Exploring the Burden of HIV/HCV coinfection and substance use among people who inject drugs in Saudi Arabia: implications and policy recommendations

Amitoj Brar

Program Proposal for improvement of perinatal mental health care availability at an obstetrics clinic serving urban, low-income, minority women at a premier academic institution in the US

Allyse Depenbrock

Impact of Post-Cardiac Surgery Mobility on Hospital Readmission

Ryan Hollm

Using National-Level Survey Data to Validate Current Youth Peer Crowds

Nisha Parikh

Trends of Opioid Prescriptions for Low Acuity Conditions from 2010-2015 in Emergency Departments

Maia Ramarosandratana

A mixed-methods study on the perspectives and behaviors of high school students following participation in Projet Jeune Leader's middle school programming

Chelsey Russell

Maternal Depression and Water Insecurity on the Navajo Nation

Monica Skoko

Meating in the Middle: Changing Miami's Food Behaviors for Sustainability

Public Health Topics III

W2015

8:30-10:30

Moderators: Qian-Le Xue

Joseph Cheaib

Raghad Alharthy

An Analytical Review of a small Grants Program for "Child Health Foundation"

Julia Chen

Predictors of False Lumen Thrombosis After Thoracic Endovascular Aortic Repair for Acute and Chronic Type B Aortic Dissection

Daniel Gorbaty

Healthcare Payment Reform in the United States: An Evaluation of the Bundled Payments for Care Improvement Initiative (BPCI), 2013 – 2018

Aniket Ganesh Kini

Health in Urban Slums: A Literature Review

Peeraya Piancharoen

Social cognition in psychosis: impact of inflammatory mediators and aberrant neurocircuitry

Hiroki Sakai

Literature review for setting up Return to Duty Leave Management Program in Educational Organization

Nicole Suapengco

An Analysis of U.S. Policy on Maternity Leave and the Implications for Breastfeeding Outcomes

Kuo-Tung Tang

Comparative effectiveness of autoimmune disease treatments for non-alcoholic fatty liver disease

Public Health Topics IV

W4013

8:30-10:30 **Moderators: Donna Strobino Kayla Tormohlen**

- Rosemary Acosta Wright** *Analyzing Water Conditions and Educating Families on Zika and Dengue Disease Transmission Prevention in El Chacuey, Dominican Republic*
- Carolyn Brookhart** *Risk Factors for Bacterial Vaginosis Among Women with Female Sexual Partners: a Literature Review*
- Amanda Capitummino** *Through the Eyes of Men: Using a Primary Prevention Program to Promote Reflection on Rigid Gender Norms*
- Javier Galvan** *The Association between Firearm Laws and Gun-Related Suicides in the United States: A Review of the Literature*
- Angelica Lopez Hernandez** *Evaluation of the Mexican vaccination program*
- Ashley Lowe** *Evaluation of Novel Training for Mentors to Use a Youth Violence Curriculum*
- Sarah Muharomah** *Socioeconomic and Demographic Factors Associated with Using Contraception before First Birth among Ever-Married Women in Indonesia*

Public Health Topics V

W2030

8:30-10:30

Moderators: Andrea Ruff Jeffrey Hardesty

Lamisa Ashraf

Burden of lesser known unintentional injuries in rural Bangladesh: Findings from a large-scale population-based study

Jordan Downey

Understanding Child Mortality in Rural Communities in Sub-Saharan Africa: Measurement, Analysis, and Program Impact

Marika Frank

Connected Community Telehealth can reduce hypertension disparities in Harlan, Kentucky

May Hafez

Effects of social media on adults over the age of 65. How does social media effect the geriatric populations mood

Fahd Naufal

Scoping Review of Systematic Reviews and Meta-Analyses on Active Case Finding for Tuberculosis

Jennifer Payne

Dissemination Report: Results from Implementation Strength Assessment, Quality of Care Evaluation and Coordinator Survey Evaluating Malawi's National Family Planning Program

Biswas Pradhan

The primary healthcare system in Nepal – its current status, gaps, and opportunities

Allyn Rosenberger

Health Issues Arising in the Maryland Attorney General's Office: A Legal Analysis

Jing Xiu

Insights for Function and Gamification Design Elements of Weight Loss Applications Based on User Reviews

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

W3008

11:00-1:00

Moderators: Rosa Crum

Albert Osei

Samuel Ayeh

Risk Factors Associated With the Initiation of Isoniazid Preventive Therapy (IPT) Among HIV-Positive Pregnant Women in South Africa

Sabrina Clermont

Primary Caregiver Closeness and Depressive Symptoms in Cohort of Shanghai Urban Adolescents

Radha Dhingra

A Cross-Sectional Analysis of Asthma Prevalence and Associated Factors By HIV Status In A Cohort of Current and Former Intravenous Drug Users in Baltimore, MD

Miriam Fox

A Short Course May be as Effective as a Prolonged Course of Antibiotics for the Treatment of Pyelonephritis in Children

Laura Graf

Social Support, Depression, and Frailty in HIV Positive and Negative Men who have Sex with Men

Isaac Naazie

Coronary Heart Disease Risk Age: Age Equivalents of the Mesa 10-Year Risk Scores

Lauren O'Connor

Adherence to commonly recommended heart healthy eating patterns and risk of developing diabetes in the Atherosclerosis Risk in Communities Study

Celina Santiago

Self-reported Metabolic Risk Factors and Association with Colon Polyps

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

W2008

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

- Tien-Hao Chang** *CDAD(C.difficile associated-disease) and diagnostic stewardship*
- Matthew Chin** *Factors Associated with Depression Screening Outcomes Among Chinese American Adolescents and Young Adults at an Urban Community Health Center in New York City*
- Ahmed Elhussein** *Racial disparities in prescription of novel diabetes medication in the Look Ahead study*
- Soon Kwon** *Autism Spectrum Disorder and Anxiety and the usage of Child Complementary & Alternative Medicine*
- Mina Motaghi** *Video Head Impulse Test for Evaluation of Sixth Nerve Palsy*
- Ngozi Osuji** *Association between HIV serostatus and the prevalence of atrial fibrillation and atrial flutter*
- Emmanuella Salia** *Childhood injuries and surgical treatment needs in rural Bangladesh: Findings from a large-scale population-based intervention study*
- Osama Tarabichi** *The Impact of neighborhood socioeconomic status on hearing aid utilization in ARIC participants*

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

W5008

11:00-1:00

Moderators: John McGready Kayode Sosina

Po-Yu Chiang

Comparing Shunt Survival of Adult Hydrocephalus: An Analysis of Shunt Failure Using National Database

Jacqueline Cronin

Pneumonia and influenza mortality among those with Major Depressive Disorder

Arielle Gillman

The effects of exercise duration and intensity on breast cancer-related DNA methylation

Irina Iles

The effect of potentially misleading cigarette ad tactics on U.S. young adults' perceptions of cigarettes and intentions to smoke

Regan Mukai

Baseline Analysis of the Association Between Dogs, Dog Allergen, and Respiratory Outcomes

Olufunmilayo Obisesan

Association between E-cigarette use and Depression: Behavioral Risk Factor Surveillance System (2016-2017)

Hannah Rickman

Prevalent subclinical tuberculosis in pregnant women with HIV in South Africa

Tulika Singh

Identifying associations between maternal and child health services and vaccine coverage in LMICs

Health Systems & Policy Concentration III

W4007

11:00-1:00

Moderators: Shannon Frattaroli Jon Vernick

Jessica Mirano

Tania Banerji

A Needs Assessment and Initial Program Evaluation for Teaching Vaccine Economics Everywhere

Petal Elder

A review of Vision Zero and its application to Trinidad and Tobago

Maia Gibbons

Rapid Rehousing for Youth in Baltimore: Program Implementation Evaluation and Policy Implications

Ilambarithi Kunjihapatha

Characteristics associated with alcohol consumption among emergency department patients presenting with road traffic injuries in Visakhapatnam, India

Francisco Rodriguez Garza

Implementation of surgical care services in the primary level of care in Tigray, Ethiopia: Assessment of facilitators and barriers

Rachel Siegel

Human Resources for Eye Health: International variations among ophthalmic residency programs

Jenny Wen

Overcoming systemic barriers to opioid use disorder treatment: evidence and recommendations for the National Academy of Medicine

Health Systems & Policy Concentration IV

W4019

11:00-1:00

Moderators: Shivam Gupta

Oshin Kanwar

Emma Ghazaryan

Provider payment reforms

Mary Hernando

Hearing Aid Coverage Under Medicaid: Lessons from Maryland

Miles Oliva

Integrating PrEP services into school-based health centers in Baltimore: a program model

Christopher Rodman

Methodology Review of the Maryland Violent Death Reporting System

Sam Sepehri

Comparing the Financing of the Current US Healthcare System to a Single-Payer System

Edward Sutanto

Relationship between seat belt law and seat belt wearing rates in urban South East Asia

Sarah Wetter

U.S. State-Level Preemption Legislation, 2017-2018: Implications for Public Health Policy and Practice

Humanitarian Health Concentration II and Customized

W4030

11:00-1:00 **Moderators: Courtland Robinson Mohammad Darwish**

- Enoch Abbey** *Retrospective Review of In-Hospital Mortality and the Predictive Ability of Early Warning Scores in Patients*
- Marjanna Barber-Dubois** *Taking the First Step Together: Increasing Medication-Assisted Treatment Initiation and Engagement Rates in Rutland, Vermont*
- Jessie Bennett** *Health Workers Perspectives on Providing Youth-Friendly Services in Malawi*
- Travis Roberts** *Religion and Spirituality as a Protective Factor: A Systemic Review of Psychosocial Interventions*
- Pragna Shetty** *Development of a hospital-acquired pressure injury predictive model using the Maryland Health Services Cost Review Commission Database (2012-2017)*
- Miho Sodeno** *Cesarean Section and Breastfeeding in the Eastern Mediterranean Region Related to Humanitarian Crisis*
- Hasiya Yusuf** *HIV Pre-Exposure Prophylaxis (PrEP) uptake and adherence in USA*

MPH/MBA II and Health Leadership & Management

E9519

11:00-1:00

Moderators: Doug Hough

Mark Bittle

Anbrasi Edward

Jordana Baron

Global Cleft Care for Low Resource Settings: Innovations in Reaching Patients (a chapter in a book)

Fayad El Sheikh

The Effects of Introducing Microneedle Patch Vaccines into Routine Vaccine Supply Chains

Eric Wan

Business Plan for Whole Systems Health Care Clinic Initiative

Hwajung Lee

DOVE IV: Review of the methods to estimate productivity loss empirically

Public Health Topics VI

W2030

11:00-1:00

Moderators: Andrea Ruff

Jeffrey Hardesty

Beatrix Atieno

Assessment of Artemisinin-Based Combination Therapy (ACT) Stock Outs in Government Owned Health Facilities in Bungoma County, Western Kenya

Sophia Geffen

Depression and anxiety symptoms among adolescent patients in a pediatric clinic specializing in transgender and gender non-binary care

Jeffrey Herman

Bridging Epidemiology and Equity: Considerations for Sustainable and Ethical HIV Interventions for YBMSM in Queer Spaces

Lucille Howard

Racial Disparities in Health Related Quality of Life Following Early Stage Breast Cancer Diagnosis

Kayla Jaep

Risk of Post-Infectious Functional Gastrointestinal Disorders and Gastroesophageal Reflux Disease Following Norovirus Outbreaks at a Naval Recruit Training Facility

Saleema Kherani

Image Quality and Agreement Analysis of Retinal Vascular Parameters on Optical Coherence Tomography Angiography in a Community-Based Population

Katie Lichter

Cervical Cancer in Women Over the Age of 65 - a descriptive analysis of the patient population

Erin Madeen

Aflatoxins, Mucosal Barrier Integrity, and HIV Susceptibility: Aflatoxin B1 Exposure as a HIV Risk Factor

Public Health Topics VII

E6519

11:00-1:00

Moderators: Randy Bryant Isaac Botchey

Na An

Transnational marriage between China and its neighboring countries in Southeast Asia: a public health perspective

Hattie DeLisle

Antibiotic use in Food Animals

Dennis Emuron

Lack of an association between household air pollution exposure and previous pulmonary tuberculosis

Sari Frankel

Correlates of witnessing a fatal overdose in Baltimore, Boston and Providence

Aastha Goel

Awareness of depression among high school students in South Delhi

Agnes Markos

Acute Carbamate Pesticide Poisoning in Rural Dhamarai, Bangladesh

Kelsey McClain

Testicular Cancer Amongst Latino Men in Baltimore City: A Health Education Campaign

Vaishnavi Sawant

Maternal & Child Health in Bihar, India- Progress, Challenges and Opportunities

Master of Public Health Capstone
AWARD RECIPIENTS
May 2019

Special honors are given to the 12 students listed below for the best overall capstone written projects.
These students will receive an MPH capstone award plaque for outstanding achievement.

Olivia Dieni

“Fatal Intimate Partner Violence in the United States: Demographic and Temporal Trends 2003-2016”
Capstone Advisor: Michele Decker \ Faculty Advisor: Shannon Frattaroli

Dennis Emuron

Department of Environmental Health and Engineering MPH Capstone Award – Recipient of \$300 prize
“Lack of an Association between Household Air Pollution Exposure and Previous Pulmonary Tuberculosis”
Capstone Advisor: William Checkley \ Faculty Advisor: Nauder Faraday

Sari Frankel

Overall Best MPH Capstone Award - Recipient of \$500 Prize
“Correlates of Witnessing a Fatal Overdose in Baltimore, Boston and Providence: A Secondary Data Analysis”
Capstone Advisor: Ju Nyeong Park \ Faculty Advisor: Mary Fox

Carmen Ramos Irizarry

“A Proposal to Improve and Enhance the Coordination and Provision of Pediatric Trauma Services in Collier County”
Capstone Advisor: Abdul Bachani \ Faculty Advisor: Lawrence Wissow

Hannah Louie

“Beyond Nutrition: A Landscape Analysis of Values-Based Procurement Among Food Service Management Companies”
Capstone Advisor: Robert Martin \ Faculty Advisor: Jillian Fry

Nicholas Luciano

Louis Fink MPH Capstone Award – Recipient of \$500 prize
“Preparedness and Response for a Nipah Virus Outbreak: Medical Countermeasures and Public Health Interventions”
Capstone Advisor: Lauren Sauer \ Faculty Advisor: Gary Ketner

Funmi Obisesan

“Association between E-Cigarette Use and Depressions- Behavioral Risk Factor Surveillance System (2016-2017)”
Capstone Advisor: Michael Blaha \ Faculty Advisor: Michael Blaha

Neha Reddy

*“Trichomonas vaginalis in Adolescent and Young Adult Males in STI-Prevalent Communities:
Policy Recommendations to Address Disparities and Promote Public Health Control”*
Capstone Advisor: Maria Trent \ Faculty Advisor: Leiyu Shi

Olivia Samson

“Spatial Analysis of Malaria Surveillance Data, Zambia 2014”
Capstone Advisor: Timothy Shields \ Faculty Advisor: Timothy Shields

Aishwarya Shukla

*“Hearing Loss, Hearing Aid Use and Depressive Symptoms in Older Adults: Findings from the Atherosclerosis Risk in
Communities Neurocognitive Study (ARIC-NCS)”*
Capstone Advisor: Adele Goman \ Faculty Advisor: Jennifer Deal

Sarah Vick

“Discontinue Vitamin, Herb, and Supplement Sales on Military Bases”
Capstone Advisor: Mariana Socal \ Faculty Advisor: Daniel Barnett

Megan Wall

“Process Evaluation of Share a Pack”
Capstone Advisor: Joanna Cohen \ Faculty Advisor: Vanya Jones