



JOHNS HOPKINS  
BLOOMBERG SCHOOL  
*of* PUBLIC HEALTH

**Master of Public Health**  
**Capstone Presentations**  
**May 9, 2020**

**Program**

Johns Hopkins Bloomberg School of Public Health

Baltimore, Maryland

***MPH CAPSTONE SYMPOSIUM***  
***SATURDAY, MAY 9, 2020***

**AGENDA**

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8:30-10:30AM

**MORNING SESSION ONE**

EPI & BIOST METHODS FOR PUBLIC HEALTH & CLINICAL RESEARCH

CONCENTRATION I – **Rosa Crum & Albert Osei**

<https://jh.zoom.us/j/99450015493?pwd=RFV2VnRrQ1IBNW5QaVhLdzVXbUIZdz09>

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=ZW42d3hYbVVRZDVFeGhLUXpnMWlmdz09>

Meeting ID: 927 6520 1025 Password: 705903

HEALTH SYSTEMS & POLICY CONCENTRATION I – **Mary Fox & Rachel Presskreicher**

<https://jh.zoom.us/j/95353676157?pwd=aTZISIFUMTVWZG1QNzdURndBRDRxZz09>

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=T2VRaFd1N1FxTnFiVG1wU3Y0eIN2dz09>

Meeting ID: 963 2608 0077 Password: 912689

PUBLIC HEALTH TOPICS II – **Randy Bryant & Kayla Tormohlen**

<https://JHUBBlueJays.zoom.us/j/92063347081?pwd=Zkc2S3ZaOVR4UEVvQUJNd0trSVJSUT09>

Meeting ID: 920 6334 7081 Password: 013361

PUBLIC HEALTH TOPICS III – **Laura Caulfield & Mohammad Darwish**

<https://jh.zoom.us/j/95302123822?pwd=Y0Q2MkdJMjVnSUtGb3k3NkdIUE5JUT09>

Meeting ID: 953 0212 3822 Password: 419176

PUBLIC HEALTH TOPICS IV – **Donna Strobino & Niranjani Nagarajan**

<https://jh.zoom.us/j/98308228402?pwd=R2JiTWFqYTdMQml3RGZJYkNZUFpWdz09>

Meeting ID: 983 0822 8402 Password: 018121

PUBLIC HEALTH TOPICS V – **Andrea Ruff & Jeffrey Hardesty**

<https://jhjhm.zoom.us/j/91944284202?pwd=YmRRL1h0UmVQWnlqaXNcMjhtbG9WZz09>

Meeting ID: 919 4428 4202 Password: 328137

PUBLIC HEALTH TOPICS VI – **Jackie Agnew & Daniel Antiporta**

<https://JHUBBlueJays.zoom.us/j/93073147119?pwd=ZTlzTmxYOURWRmF0aklrcjdkSDNnUT09>

Meeting ID: 930 7314 7119 Password: 877247

10:30-11:00AM

***BREAK***

**MPH CAPSTONE SYMPOSIUM**  
**SATURDAY, MAY 9, 2020**

**AGENDA**

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

EPI & BIOST 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 & BIOST METHODS FOR PUBLIC HEALTH & CLINICAL RESEARCH CONCENTRATION IV –  
**Marie Diener-West & Oluwafemi Owodunni**

<https://jhjhm.zoom.us/j/92765201025?pwd=ZW42d3hYbVVRZDVFeGhLUXpnMWlmdz09>

Meeting ID: 927 6520 1025 Password: 705903

INFECTIOUS DISEASES CONCENTRATION – **Noreen Hynes, Kawsar Talaat & Clive Shiff**

<https://jh.zoom.us/j/99351997959?pwd=VTZyYVJ0UIU1NVRwaUo0NXhwdGpmZz09>

Meeting ID: 993 5199 7959 Password: 550755

MPH MBA PROGRAM – **David Chin & Paul Whong** (*Session Time 10:30AM - 1:30PM*)

<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=YmRRL1h0UmVQWnlqaXNCMjhtbG9WZz09>

Meeting ID: 919 4428 4202 Password: 328137

PUBLIC HEALTH TOPICS VIII - **Randy Bryant & Kayla Tormohlen**

<https://JHUBBlueJays.zoom.us/j/92063347081?pwd=Zkc2S3ZaOVR4UEVvQUJNd0trSVJSUT09>

Meeting ID: 920 6334 7081 Password: 013361

PUBLIC HEALTH TOPICS IX– **Jackie Agnew & Daniel Antiporta**

<https://JHUBBlueJays.zoom.us/j/93073147119?pwd=ZTlzTmxYOURWRmF0aklrcjdkSDNnUT09>

Meeting ID: 930 7314 7119 Password: 877247

**1:10PM**    **AWARD ANNOUNCEMENTS**

<https://jh.zoom.us/j/96851725330?pwd=THZYWklLL1dyTTFzT3hPOWtGRC84UT09>

Meeting ID: 968 5172 5330 Password: 750168

***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**

**8:30-10:30**

**Moderators: Andrea Ruff**

**Jeffrey Hardesty**

**Jennifer Baker**

*Keeping Maryland's Seniors Engaged: Assessing the Impact of Maryland's Community for Life Program on Older Adult Social Isolation*

**Zoe Demko**

*Universal ART and Treatment Adherence among People Living with HIV in Rio de Janeiro, Brazil*

**Rebecca Fowler**

*Systematic Review of Service Provisions for Intimate Partner Violence Among Black Gay and Bisexual Men*

**Qifan Hu**

*Youth vaping in U.S. and China: a literature review of health risks, epidemic trend, policies, and upcoming challenges*

**Yunjeong Kim**

*Six-month monitoring of nutritional status among child participants of Positive Deviance/Hearth program in rural Bangladesh*

**Darcy Milburn**

*Assessing Hospital Policy & Practice Re. Medical Debt Collection*

**Eli Pousson**

*The Effects of Vacant Housing Demolition and Vacant Lot Stewardship on Health and Safety*

**Kristen Vescera**

*Veteran Identity Modeling: A Thematic Analysis*

**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 Crohn'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***

**11:00-1:00**

**Moderators: Clive Shiff**

**Kawsar Talaat**

**Noreen Hynes**

**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**

**10:30-1:30**      **Moderators: David Chin**                      **Paul Whong**

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

**Vadi Esmailzadeh**                      *The Role of Value Assessment in Drug Pricing Policy*

**Michael Yong**                      *Cost-effectiveness analysis of a new m Health 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*

**Eliana Glanzberg-Krainin**                      *Systemic Overuse and Quality Measures: A Correlation Analysis*

**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*

**Dominique Vervoort**                      *Racial disparities underlying re-interventions after open repair versus EVAR for abdominal aortic aneurysms*

**Gillian Walcott**                      *A Review of Abbreviated Mindfulness-Based Stress Reduction Programs and their Effects on Psychological Wellbeing in Graduate Students Focused in Health and Medicine*

**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 Kwamong**

*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 assesment 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*

**Katherine Zellner**

*Analysis of Patterns in Dietary and Accelerometry Data in NHANES*

**Master of Public Health Capstone  
AWARD RECIPIENTS  
May 2020**

Special honors are given to the 13 students listed below for their capstone written projects. These students will receive an MPH capstone award plaque for outstanding achievement.

**Erin Beasley**

*“Monkey pox Medical Countermeasures in Low-income and High-income Countries”*  
Capstone Advisor: Noreen Hynes \ Faculty Advisor: Noreen Hynes

**Diana Bongiorno**

*“Emergency Department and Hospital Charges for Pediatric Firearm Injuries in the United States”*  
Capstone Advisor: Jon Vernick \ Faculty Advisor: Lisa Cooper

**Sachalee Campbell**

*“The Accident and Emergency Department of the Cornwall Regional Hospital’s Training on Health Professionals (Nurses and Doctors) Burnout”*  
Capstone Advisor: William Brieger \ Faculty Advisor: Renan Castillo

**Julie Eckstein**

**Overall Best MPH Capstone Award - Recipient of \$500 Prize**

*“Polypharmacy, Cognitive Impairment, and Frailty in the Women’s Health and Aging Study II (WHASII)”*  
Capstone Advisor: Qian Li Xue \ Faculty Advisor: Stephan Ehrhardt

**Daniel Ehrenpreis**

*“Removing the ‘I’ from “Indian”: An Implementation Guide to Combat Regionalized Racism and Appropriation”*  
Capstone Advisor: Melissa Walls \ Faculty Advisor: Sara Johnson

**Rebecca Florsheim**

**Department of Environmental Health and Engineering MPH Capstone Award – Recipient of \$300 prize**

*“Air Pollution and Health: Novel Insights on Black Carbon Toxicity and Air Pollution in the Coronavirus Disease 2019 Pandemic”*  
Capstone Advisor: Castillo-Salgado, Carlos \ Faculty Advisor: Gilbert Burnham

**Masahiro Katahira**

*“Mentoring nurses to improve quality of delivery care at primary health centers: Evidence from Bihar, India”*  
Capstone Advisor: Krishna Rao \ Faculty Advisor: George Pariyo

**Jiahe Liang**

*“A Qualitative Analysis of Pharmaceutical Manufacturer Funded Patient Access Services for Newly Launched Drugs”*  
Capstone Advisor: Mariana Socal \ Faculty Advisor: Mary Fox

**Donald (Bailey) Miles**

*“An analysis of a federal sugar-sweetened beverage excise tax”*  
Capstone Advisor: Jill Marsteller \ Faculty Advisor: Jill Marsteller

**Zoe Mowl**

*“A comparison of total cost estimates between exclusive breastfeeding and use of breast milk substitutes in humanitarian contexts”*  
Capstone Advisor: Mija Ververs \ Faculty Advisor: Gilbert Burnham

**Yuichiro Otsuka**

*“Trends in sleep problems among Japanese adolescents from 2004 to 2017”*  
Capstone Advisor: Adam Spira \ Faculty Advisor: Noel Mueller

**Elizabeth Ruebush**

*“Advancing Evidence-Based Public Health: A Scoping Review of Trainings for Public Health Practitioners”*  
Capstone Advisor: Carlos Castillo-Salgado \ Faculty Advisor: Carlos Castillo-Salgado

**Vincent Salvador**

*“Efficacy and Safety of Empagliflozin on Prevention of Chemotherapy- induced Heart Failure”*  
Capstone Advisor: Di Zhao \ Faculty Advisor: Di Zhao