

**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

Julia 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

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Special honors are given to the 12 students listed below for the best overall capstone written projects.
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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

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Hana Bao

“Extreme Air Pollution in Ulaanbataar, Mongolia: Review of the Problem and Potential Solutions”

Capstone Advisor: Paul Gaist \ Faculty Advisor: Paul Gaist

Hsing-Yuan Chang

“Maternal Drug Use Before and During Pregnancy and Neonatal Abstinence Syndrome (NAS) In Boston Birth Cohort”

Capstone Advisor: Xiaobin Wang \ Faculty Advisor: Mary Cwik

William Coe

Louis Fink MPH Capstone Award – Recipient of \$500 prize

“Prenatal Near Roadway Air Pollution Exposure and Early Neurodevelopment in Young Mexican-American Children”

Capstone Advisor: Heather Volk \ Faculty Advisor: Mary Catherine Beach

Sumona Datta

“Tuberculosis and Wellbeing: A Quantitative Assessment in Peruvian Shantytowns”

Capstone Advisor: Robert Gilman \ Faculty Advisor: Robert Gilman

Pamela Gutman

“Smokeless Tobacco Use and Perceived Cancer Risks Among American Indians in the Cherokee Nation”

Capstone Advisor: Joanna Cohen \ Faculty Advisor: Allison Barlow

Lauren Havens

“Proposal to Evaluate the Impact of Boys Run I toowú klatseen”

Capstone Advisor: Anne Riley \ Faculty Advisor: Anne Riley

Albert Liu

“Baseline Frailty Predicts Accelerated Age-related Cognitive Declines Across Domains in Healthy & MCI Older Adults”

Capstone Advisor: Qian-Li Xue \ Faculty Advisor: Qian-Li Xue

Anne McKenna

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

“Screening for Common Perinatal Mental Disorder in South Africa: Policy Briefing and Advocacy Outcomes”

Capstone Advisor: Judith Bass \ Faculty Advisor: Anbrasi Edward

Yoshihiko Raita

“A Femoral versus Jugular Venous Catheter Placement and Risk of Catheter-related Infection and the Effect Modification by BMI on the Association between Catheter Site and Infectious Events”

Capstone Advisor: Aaron Milstone \ Faculty Advisor: Aaron Milstone

Joseph Reardon

“Emergency Medicine Physician Residency Modernization: Implementation and Public Health Assessment”

Capstone Advisor: William Brieger \ Faculty Advisor: Robert Black

Lei Wang

*“Exercise Interventions on Fatigue for Women with Breast Cancer during Active Treatment:
A Systematic Review and Meta-analysis”*

Capstone Advisor: Roberta Scherer \ Faculty Advisor: Corinne Joshu

Jessica Whitley

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

*“Consideration of Spatial Accessibility and Fast Food/Carry-Out Distribution in Assessing
the Neighborhood Food Environment”*

Capstone Advisor: Joel Gittelsohn \ Faculty Advisor: Lisa Cooper

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Emily Beaudoin

“Quality of life and depression among high-risk or diabetic American Indian (AI) youth enrolled in the Together on Diabetes Study”

Capstone Advisor: Summer Rosenstock \ Faculty Advisor: Allison Barlow

Aimee Bruederle

“Does Social Support Have an Effect on Adolescent Sexual Risk-taking Behavior?”

Capstone Advisor: Heena Brahmhatt \ Faculty Advisor: Heena Brahmhatt

Timothee Fruhauf

“Measuring family planning quality and its link with contraceptive use in Burkina Faso, Ethiopia, Kenya, and Uganda”

Capstone Advisor: Amy Tsui \ Faculty Advisor: Amy Tsui

James Heyward

“Institutional factors moderating compliance with clinical trials registration and reporting requirements in the US”

Capstone Advisor: Evan Mayo-Wilson \ Faculty Advisor: Roberta Scherer

Jiun-Ruey Hu

“Associations between the serum metabolome and all-cause mortality in chronic kidney disease”

Capstone Advisor: Josef Coresh & Morgan Grams \ Faculty Advisor: Josef Coresh

Srishti Jayakumar

Louis Fink MPH Capstone Award – Recipient of \$500 prize

“Vitamin B12 deficiency in Pregnancy: Implications for Public Health Practice”

Capstone Advisor: David Paige \ Faculty Advisor: David Paige

Angela La Macchia

“Uprising: An Analysis of Jamaica's Disaster Management Policy”

Capstone Advisor: Shannon Doocy \ Faculty Advisor: Ligia Paina

Puja Sangoi

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

“Analysis of testimony for Philadelphia beverage tax”

Capstone Advisor: Sara Bleich \ Faculty Advisor: Shannon Frattaroli

Angela Schroeder

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

“Coordination and Collaboration for Healthy Food Systems in Wisconsin: Interviews Among Key Informants”

Capstone Advisor: Anne Palmer \ Faculty Advisor: Anne Palmer

Kanal Singh

“Association of history of injection drug use with external-cause related mortality among persons linked to HIV care in an urban clinic, 2001-2015”

Capstone Advisor: Catherine Lesko \ Faculty Advisor: William Moss

Weijia Wang

“Resting Heart Rate and Incident Atrial Fibrillation Over a 20-year Follow-Up in The ARIC Study (Atherosclerosis Risk in Communities)”

Capstone Advisor: Moyses Szklo \ Faculty Advisor: Moyses Szklo

Colby Wilkason

“The Use of Spatial Analysis for Disease Control: A Case Study of Malaria Transmission in Macha, Zambia”

Capstone Advisor: Timothy Shields \ Faculty Advisor: Timothy Shields

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Kasey Bellegarde

“An Assessment of a Gender-based Violence Screening Program for Refugee Women in Baltimore City”
Capstone Advisor: Michele Decker \ Faculty Advisor: Michele Decker

Kathryn Dalton

Department of Environmental Health Sciences MPH Capstone Award – Recipient of \$300 prize
“Biosecurity Challenges in the Poultry Industry against Highly Pathogenic Avian Influenza”
Capstone Advisor: Ellen Silbergeld \ Faculty Advisor: Meghan Davis

Teresa DeAtley

“Assessing compliance with Uruguay’s single pack presentation law”
Capstone Advisor: Joanna Cohen \ Faculty Advisor: Ryan Kennedy

Ramzi Dudum

“Dose-Dependent Effects of Lifestyle Interventions on Blood Lipid Levels: Results from the PREMIER Trial”
Capstone Advisor: Lawrence Appel \ Faculty Advisor: Lawrence Appel

Zoya Fansler

“Impacts of hydrocodone combination product rescheduling on opioid and analgesic prescribing in the United States”
Capstone Advisor: G. Caleb Alexander \ Faculty Advisor: Gary Ketner

Zhilei Guo

“Implication of mHealth Development and Application to the China Health Reform”
Capstone Advisor: Alain Labrique \ Faculty Advisor: Douglas Hough

Melinda Krakow

Who Gets a Provider Recommendation? Reducing Missed Opportunities to Promote the HPV Vaccine to Male and Female Teens in the U.S.
Capstone Advisor: Anne Rositch \ Faculty Advisor: Amber Dsouza

Benjamin Lazarus

“Proton Pump Inhibitor Use and the Risk of Chronic Kidney Disease”
Capstone Advisor: Morgan Grams \ Faculty Advisor: Morgan Grams

Hojoon Lee

“Application of Early Aberration Reporting System (Ears) To Seasonal Influenza Weekly Report in Mexico (2007-2014)”
Capstone Advisor: Carlos Castillo-Salgado \ Faculty Advisor: Kenrad Nelson

Dane Moran

Overall Best MPH Capstone Award - Recipient of \$500 Prize
“Impact of Improving Vehicle Design on the Burden of Pedestrian Injuries in Germany, USA, and India”
Capstone Advisor: Kavi Bhalla \ Faculty Advisor: Keshia Pollack

Caroline Picher

“Analysis of Access to Medication Assisted Treatment for Opioid Use Disorder in Populations involved in the Criminal Justice System”
Capstone Advisor: Brendan Saloner \ Faculty Advisor: Dan Salmon

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May 2015

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Elizabeth Bast

Department of Environmental Health Sciences MPH Capstone Award - Recipient of \$300 prize
“Analyzing the Health Co-Benefits of High-Penetration Renewable Energy Deployment in the United States”
Capstone Advisor: John Balbus \ Faculty Advisor: Cindy Parker

Sarah Ceponis

“Inclusionary Advocacy: Changing Policy and Perspectives through Maryland’s Second Chance Act”
Capstone Advisor: Carol Underwood \ Faculty Advisor: Philip Leaf

Jerome Chelliah

“Evaluation of Six Hospital-based Domestic Violence Programs and their Collective Efforts as the Maryland Health Care Coalition against Domestic Violence”
Capstone Advisor: Andrea Gielen \ Faculty Advisor: Danielle German

Susan Emmett

“Hearing Loss Is Associated With Decreased Nonverbal Intelligence in Rural Nepal”
Capstone Advisor: Keith West \ Faculty Advisor: Alfred Sommer

Jeffrey Hardesty

“Barriers to Non-small Cell Lung Cancer Trial Eligibility”
Capstone Advisor \ Faculty Advisor: Norma Kanarek

Junichi Ishigami

“Chronic Kidney Disease and Risk for Gastrointestinal Bleeding in the Community: The Atherosclerosis Risk in Communities (ARIC) Study”
Capstone Advisor \ Faculty Advisor: Kunihiro Matsushita

Hannah Jones

“Learning from the Past: Using Public Health Successes and Failures to Guide Future Policy”
Capstone Advisor: Sara Bleich \ Faculty Advisor: Keshia Pollack

Nicky Mehtani

“Injecting Drug Use Associated with Increasing Relative Rate of AIDS-Associated Mortality Despite Improvements in Antiretroviral Treatment”
Capstone Advisor: Richard Moore \ Faculty Advisor: Elizabeth Selvin

Nirmal Nair

“Early Detection of Communicable Diseases through Integration of Web Query and Social Media Data with Traditional Surveillance Tools - A Literature Review”
Capstone Advisor: Carlos Castillo-Salgado \ Faculty Advisor: Dagna Constenla

Molly Sauer

“Assessing the impacts of climate change on dengue fever: a systematic review”
Capstone Advisor: Meghan Davis \ Faculty Advisor: Clive Shiff

Jeremy Tanner

Louis Fink MPH Capstone Award - Recipient of \$500 prize
“Longitudinal Study of Entorhinal Cortex Thickness as a Biomarker of Preclinical Alzheimer's Disease”
Capstone Advisor: Marilyn Albert \ Faculty Advisor: George Rebok

Hoa (Holly) Vo

“Perinatal Behaviors of Women Using Fertility Treatments”
Capstone Advisors: Tina Cheng, Kamila Mistry \ Faculty Advisor: William Moss