

DR. ELAINE KOHLER SUMMER ACADEMY OF GLOBAL HEALTH RESEARCH SCHOLARS

Summer 2021

Nina Punyamurthy

International Organization: Medical College of WI

Faculty: Karolyn A. Wanat

Study: [Invasive Fungal Infections at an Urban Tertiary Care Center - A Retrospective Review](#)

Purpose

1. Describe cutaneous fungal infections in the patient population of a tertiary care center
2. Identify risk factors that contribute to the development of cutaneous fungal infections
3. Identify treatment algorithms for these patients

Natalie Anumolu

International Organization: Makerere University

Faculty: Kirsten Beyer

Study: [By the they run into \[the\] hospital, their life is already at stake](#)

Purpose

- Explore Ugandan HIV professionals' knowledge and perceptions on CxCa, given HIV & HPV comorbidity
- Identify perceived barriers and facilitators to CxCa screening and treatment, among women living with HIV (WLHIV)

Nisha Patel

International Organization: Medical College of Wisconsin

Faculty: Kirsten Beyer

Study: ["Volume became our Achilles' heel" - Lessons learned from COVID-19 Response in Southeastern WI to build systems resilience for future challenges](#)

Purpose: Characterize how the COVID-19 pandemic has affected individuals and organizations across sectors in greater Milwaukee's seven counties (M7) by generating evidence to inform policy, strengthen partnerships, and improve practices to reduce healthcare disparities and prepare for COVID-19 long term effects and future public health emergencies

Rachel Weber

International Organization: Makerere University & Kampala Cancer Registry

Faculty: Kirsten Beyer

Study: [Breast cancer incidence and predictive parish-level social determinants of health in and around Kampala, Uganda](#)

Purpose: To identify associations between parish-level social determinants of health and the incidence of breast cancer within the Kampala Cancer Registry catchment area in order to inform the targeting of limited cancer prevention and control resources.

Jessica Miller

International Organization: Tunisian Center for Public Health & Global Health Strategies

Faculty: Melek Somai

Study: [Rethinking data during a global pandemic: Open data initiative on COVID-19 in the middle east & North Africa](#)

Purpose

1. To create a centralized open source data repository for data about COVID-19 in the MENA region
2. To automate and correlate data from various academic and public sources and produce a virtual platform and map which illustrates regional patterns and inequities in COVID-19 spread and vaccination
3. To gauge the impact and utility of both a data repository and virtual platform

Morgan Leissring

International Organization: Hawassa University

Faculty: Libby Schroeder and Christopher Dodgion

Study: [A scoping review of surgical access to pediatric patients with congenital anomalies in Ethiopia](#)

Purpose

- Conduct a scoping review of the literature to gain an understanding of the current research available on congenital anomalies in children in low- and middle- income countries (LMICs)
- Assess the need for further research on surgical outcomes for congenital anomalies to inform interventions, policy, and capacity building at Hawassa University Comprehensive Specialized Hospital (HUCSH)

Jara McLarren

International Organization: University of Havana, Cuba/Calixto-Garcia Hospital

Faculty: Marc de Moya

Study: [Teamwork as a mechanism to improve the surgical culture of safety](#)

Purpose

1. Conduct literature review to examine evidence regarding the relationship between teamwork and patient safety
2. Identify teamwork interventions that have been implemented to improve the surgical culture of safety

Celeste Pain

International Organization: Calixto-Garcia Hospital, University of Havana

Faculty: Marc de Moya

Study: [Trauma Registry and Complex Data Collection in Cuba: A Scoping Review](#)

Purpose

1. Explore the existing evidence on the effectiveness of using data from trauma registries for quality improvement in LMIC
2. Identify gaps in the implementation of similar programs in Cuba

Summer 2020

Quamaine Bond

International Organization: Ifakara Research Institute Bagamoyo Hospital

Faculty: Karolyn Wanat, MD, Associate Professor, Department of Dermatology

Study: *Improving dermatology specialty outreach services in Bagamoyo, Tanzania using teledermatology*

Purpose: To identify common dermatologic conditions seen and develop treatment protocols using available Local formularies/resources. To develop targeted educational workshops to local providers to enhance knowledge in identifying and treating common dermatologic diseases.

Cassandra Krier

International Organization: MCW Center for Advancing Women and Science and Medicine

Faculty: Libby Ellinas, MD, Professor of Anesthesiology, Associate Dean for Womens Leadership, Director of the Center to Advancing Women in Science and Medicine

Study: *Impacts of COVID-19 on Medical Students*

Purpose: To determine the impact of the COVID-19 pandemic on current medical students and their adaption to remote learning, and potential impacts on their professional development and future professional and personal decisions.

Gifty Marfowaa

International Organization: MCW Center for Advancing Population Health Sciences

Faculty: Leonard Egede, MD, Professor, Chief, Department of Medicine

Study: *Examining the Relationship Between Wealth and Diabetes across Five Global Regions*

Purpose: To examine the association between wealth and diabetes across five regions of the world.

Michael Hii (38)

International Organization: MCW Department of Emergency Medicine

Faculty: Caitlin S Rublee, MD, MPH, Associate Professor of Emergency

Medicine and the Institute for Health and Equity

Study: *Respiratory disease and racial health disparities with residential proximity to coal power plants in Wisconsin*

Purpose: To quantify the relationship between race/ethnicity, residential distance from CFPP and respiratory

function of Wisconsin residents.

Emily Krueger (49)

International Organization: Dhulikhel Hospital

Faculty: Dean Klinger, MD, Professor of Surgery

Study: *Perception of Prevalence of Peripheral Arterial Disease by Medical Personnel in Nepal*

Purpose: 1. Survey Nepalese medical trainees (students and interns) on their perception of the prevalence of PAD among people in Nepal 2. Compare and contrast medical trainees' level of comfort and familiarity of PAD diagnosis based on the amount of PAD lectures received.

Kia Lechleitner (39)

International Organization: The AIDS Support Organization

Faculty: Kirsten Beyer, PhD, Associate Professor, Division of Epidemiology, Institute of Health & Equity

Study: *Professional Views on HPV and Cervical Cancer Control Among HIV+ Women in Uganda*

Purpose: Assess public health and health care professionals' perspectives regarding HPV and CC among WHIV in Uganda in order to identify perceived barriers and facilitators and to guide potential interventions to reduce the burden of cervical cancer in Uganda.

Emily Nylen (110)

International Organization: University of Rzeszów

Faculty: Grzegorz Telega, MD, Professor of Pediatrics, Division of Gastroenterology

Study: *How Social Media Influences Health Topics Including Attitudes of New Mothers toward Vaccines and can Potentially Provide Educational Material to Help Dispel Misinformation about Vaccines*

Purpose: Conduct a literature search to identify what sources the global general public uses to find information on health topics including vaccines and identify common myths and misinformation regarding childhood vaccinations.

Hannah Racicot (43)

International Organization: HealthBuilders

Faculty: Laura Cassidy, PhD, Professor & Director of the Epidemiology Division and MSProgram in Global Health Equity

Study: *Mental Health Interventions and Access in Post-Genocide Rwanda: A Scoping Review*

Purpose: 1. Conduct a scoping literature review to examine current evidence on mental healthcare access and effectiveness of mental health interventions in Rwanda 2. Identify themes in barriers to accessing care and effective mental health interventions 3. Provide mental health intervention recommendations to inform future grant submissions and a quality improvement project with Health Builders to strengthen mental health care infrastructure across their rural clinics in Rwanda

Lauren Tostrud (44)

International Organization: HealthBuilders

Faculty: Laura Cassidy, MS, PhD, Professor and Director of Epidemiology Division, Institute for Health and Equity

Study: *A scoping review of the intergenerational effects of the Tutsi Genocide in Rwanda*

Purpose: 1: To conduct a scoping review of the literature in order to gain an understanding of the intergenerational effects of the genocide on the Tutsi people of Rwanda. 2. To develop themes from the literature that identify and influence areas for further research on intergenerational effects 3. To assess the mental health status and needs in Rwanda in order to respond efficiently to the population's needs and inform capacity building, interventions, and policy in partnership with Health Builders.

Megan Yee (19)

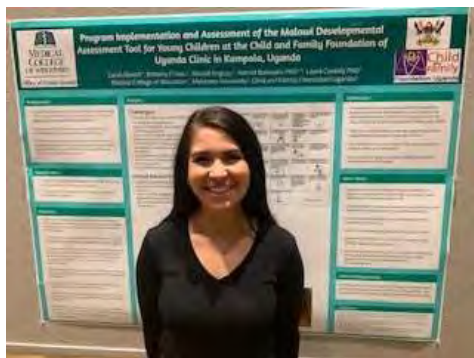
International Organization: Ifakara Research Institute Bagamoyo Hospital

Faculty: Karolyn Wanat, MD, Associate Professor, Department of Dermatology

Study: *Assessing the Feasibility and Acceptability of a Teledermatology Platform in Tanzania*

Purpose: To evaluate the feasibility of a secure TD platform in providing dermatologic consult services in Bagamoyo District Hospital (BDH) and to assess BDH healthcare provider and patient acceptability and comfortability with TD platform implementation.

Summer 2019



Sarah Bennett

International Organization: Child and Family Foundation Uganda and Makerere University, Uganda

Faculty: Dr. Laura Cassidy, PhD, Professor Epidemiology and Dr. Harriet Babikako, MPH, MBChB, PhD, Lecturer Child Health and Development Center

Study: *Program Implementation and Assessment of the Malawi Developmental Assessment Tool for Young Children at the Child and Family Foundation of Uganda Clinic in Kampala, Uganda*

Purpose: To assess the program implementation of the MDAT tool at the Child and Family Foundation of Uganda



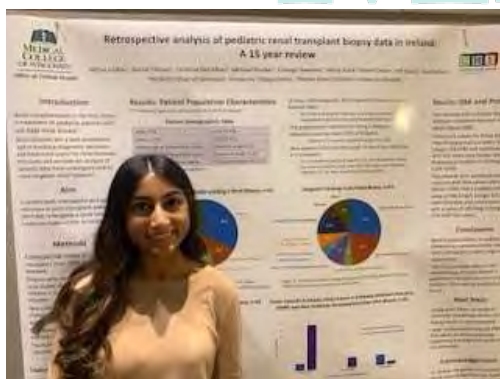
Raj Lodhia

International Organization: GORGAS Institute for Health Research and Panama Ministry of Health, Panama

Faculty: Dr. Nathan Gundacker, MD, Assistant Professor Infectious Disease

Study: [Community Perceptions on Snake Envenomation in Panama](#) (PDF)

Purpose: The majority of individuals surveyed in El Valle de Anton Panama, will be unfamiliar in proper snakebite treatment methodologies. A significant percentage of the population would prefer visiting “natural healers” in lieu of medical clinics to treat snake envenomation.



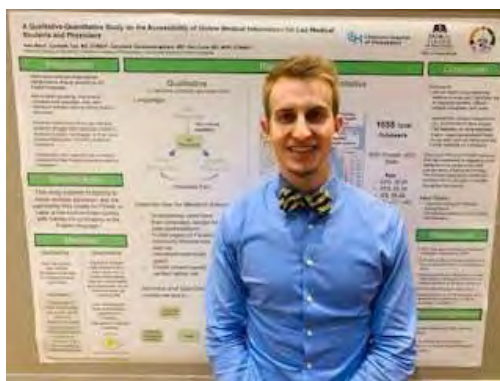
Nithya Sridhar

International Organization: University College Dublin and Temple Street Children’s University Hospital, Ireland

Faculty: Dr. Stephen Hargarten, MPH, MD, Associate Dean Global Health

Study: [Retrospective analysis of pediatric renal transplant biopsy data in Ireland: A 15-year review](#) (PDF)

Purpose: To profile both therapeutic and graft outcomes in post-transplant patients who have undergone a renal biopsy in a national single center in Ireland



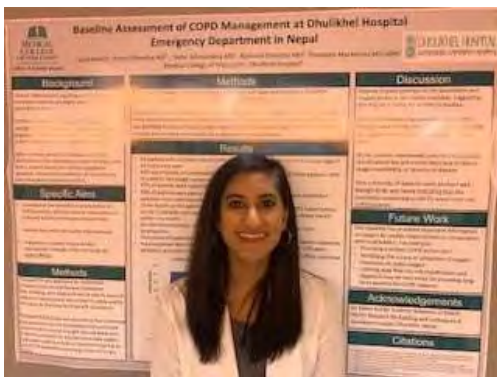
Alec Baca

International Organization: Lao-Korea National Children’s Hospital

Faculty: Dr. Theodore MacKinney, MD, Professor General Internal Medicine

Study: [A Qualitative-Quantitative Study on the Accessibility of Online Medical information for Lao Medical Students and Physicians](#) (PDF)

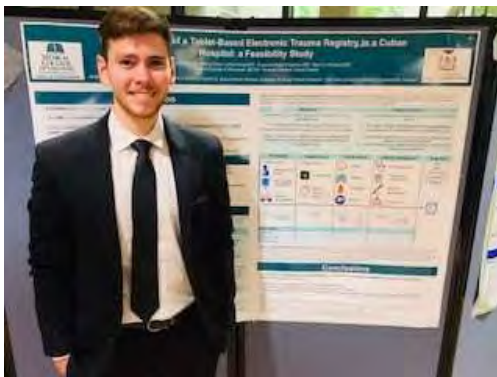
Purpose: This study explores limitations to online medical education, and the opportunity they create for FOAM, in Laos, a low-income Asian country with notably low proficiency in the English language.



Janki Mistry

International Organization: Dhulikhel Hospital and Kathmandu University, Nepal
 Faculty: Dr. Theodore MacKinney, MD, Professor General Internal Medicine and Dr. Roshana Shrestha, MD, Associate Professor, Emergency Department
 Study: [Baseline Assessment of COPD Management at Dhulikhel Hospital Emergency Department in Nepal](#) (PDF)

Purpose: To understand the baseline characteristics of COPD patients and the service they receive in a Nepali hospital emergency department. Also, to identify key areas for quality improvement and implement a quality improvement intervention through a Plan Do Study Act model (PDSA)



Celestino Castanon

International Organization: Hospital General Calixto Garcia, Cuba
 Faculty: Dr. Marc A De Moya, Chief Trauma and Critical Care, Surgery
 Study: [Implementation of a Tablet-Based Electronic Trauma Registry in a Cuban Hospital: a Feasibility Study](#) (PDF)

Purpose: To determine the feasibility of implementing an electronic trauma registry in Calixto Garcia Hospital and identify the necessary fundamental changes to make the implementation possible.



Brittany Fickau

International Organization: Makerere University, Uganda
 Faculty: Dr. Julia Dickson-Gomez, PhD, professor Epidemiology
 Study: [Assessing HIV Care for People who Inject Drugs in Kampala, Uganda](#) (PDF)
 Purpose: To explore HIV medical providers' experiences with attitudes toward PLH who use substances. Also, to explore HIV providers' knowledge about harm reduction practices, substance use disorders, and best practices in treating PLH who use substances.



Antonio Aguayo

International Organization: Hospital General Calixto-Garcia de La Habana, Cuba
 Faculty: Dr. Marc A De Moya, Chief Trauma and Critical Care, Surgery
 Study: [Identifying barriers to standardizing trauma care using an electronic medical record platform \(T6\) in Havana, Cuba](#) (PDF)

Purpose: To identify the challenges of using an electronic medical record platform (T6) to standardize trauma care in a low resource setting and to determine the feasibility to overcome these challenges.

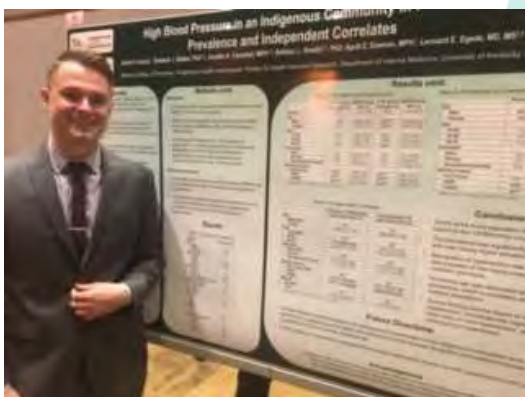


Krishna Doshi

International Organization: Makerere University

Faculty: Laura Cassidy, Professor Institute for Health and Equity Study:
[Experiential Learning and Maximizing Opportunities in Conducting a Summer Research Project in Kampala, Uganda](#)(PDF)

Purpose: To evaluate the association of risk factors including lack of employment, unstable housing, marital status intimate partner violence and substance abuse, and protective, resilient factors such as social support, spirituality and coping with the risk of depression in men and women in the urban setting Kawempe Division, Kampala Uganda



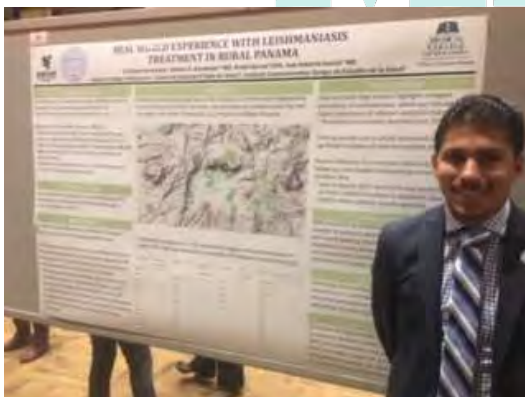
Daniel Hanna

International Organization: Indigenous Health International

Faculty: Leonard Egede, Professor Internal Medicine

Study: [High Blood Pressure in an Indigenous Community in Panama: Prevalence and Independent Correlates](#)(PDF)

Purpose: To measure the prevalence of hypertension in a Kuna island population separated from the mainland and understand the sociodemographic correlates of hypertension



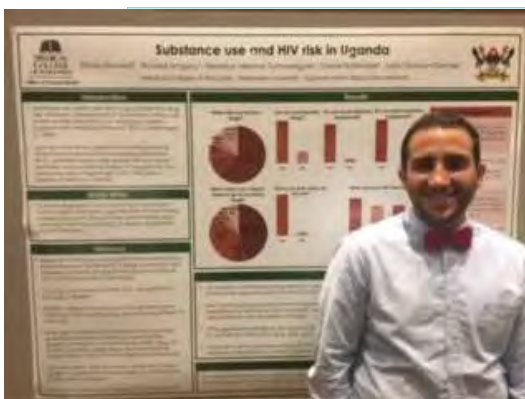
Christian Hernandez

International Organization: El Valle Health Center

Faculty: Nathan Gundacker, Assistant Professor Medicine, Infectious Disease

Study: [Real World Experience with Leishmaniasis Treatment in Rural Panama](#) (PDF)

Purpose: Assess treatment compliance in a rural Panama clinic population to pentavalent antimonials through a review of patient records



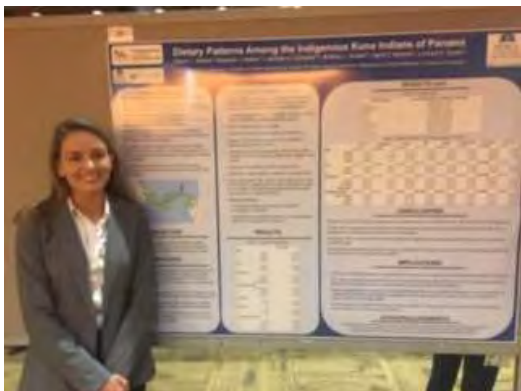
Ethan Homedi

International Organization: Makerere University

Faculty: Julia Dickson-Gomez, Professor Institute for Health and Equity

Study: [Substance Use and HIV Risk in Uganda](#) (PDF)

Purpose: To assess drug use in individuals living in a low-income community of Kampala, Uganda and the associated contextual factors (drug use sites, sexual habits, drug network) that may contribute to sexual risk behavior and HIV infection



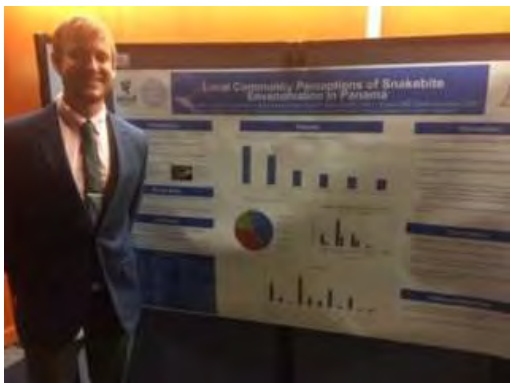
Allison Neitzel

International Organization: Indigenous Health International

Faculty: Leonard Egede, MD, Professor Internal Medicine

Study: [Dietary Patterns Among the Indigenous Kuna Indians of Panama](#) (PDF)

Purpose: To identify dietary patterns within the Kuna Indian community on the San Blas Islands and investigate sociodemographic correlates with dietary food items



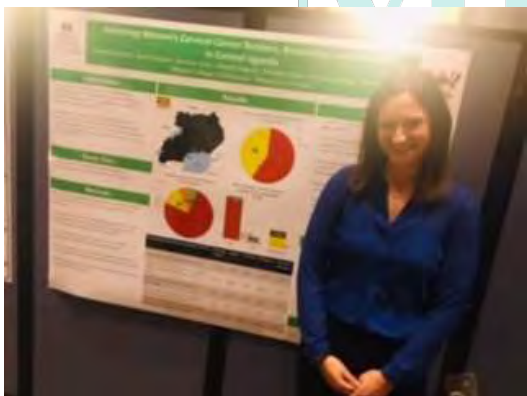
Robert Olson

International Organization: El Valle Health Center

Faculty: Nathan Gundacker, assistant professor medicine, infectious disease

Study: [Local Community Perceptions of Snakebite Envenomation in Panama](#) (PDF)

Purpose: To characterize and quantify the perceptions of snakebites in El Valle, Panama. To increase knowledge of envenomation and to assess local knowledge of prevention and treatment of snakebites



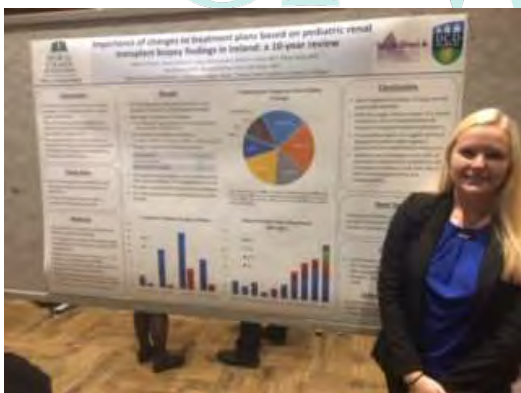
Danielle Savino

International Organization: Makerere University

Faculty: Kirsten Beyer, associate professor institute for health and equity

Study: [Assessing Women's Cervical Cancer Burdens, Knowledge, and Attitudes in Central Uganda](#) (PDF)

Purpose: To assess women's perceptions and awareness of cervical cancer risks in Kyadondo County, Uganda



Rachel Tillman

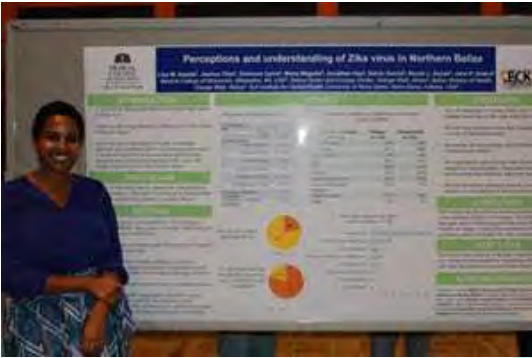
International Organization: University College of Dublin

Faculty: Stephen Hargarten, professor of emergency medicine

Study: [Perceptions and Understanding of Zika Virus in Northern Belize](#) (PDF)

Purpose: Identify demographics of pediatric renal transplant patients across Ireland from 2007-2017 and Identify treatment changes in post-transplant renal biopsy patients

Summer 2017



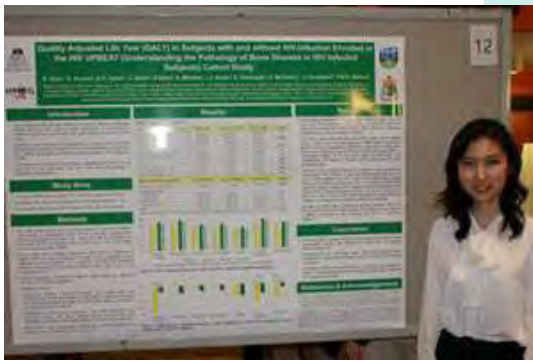
Liya Assefa

International Organization: Belize Ministry of Health, Belize Vector and Ecology Center
Faculty: John Grieco, PhD, associate director

Study: [Perceptions and](#)

[Understanding of Zika Virus in Northern Belize](#) (PDF)

Purpose: The aim of this study was to assess the understanding and awareness of Zika virus of residents in Orange Walk Town and neighboring villages in northern Belize.



Ruisu Chen

International Organization: University College Dublin School of Medicine, Ireland

Faculty: Stephen Hargarten, MD, MPH, professor emergency medicine

Study: [Quality Adjusted Life Year \(QALY\) in Subjects with and without HIV-1 infection Enrolled in the HIV UPBEAT \(Understanding the Pathology of Bone Disease in HIV Infected Subjects\) Cohort Study](#) (PDF)

Purpose: To explore differences in QoL in HIV+ and HIV- subjects over time; explore the association between HIV-status and changes in QoL; compare differences in QALY between HIV+ and HIV- subjects.



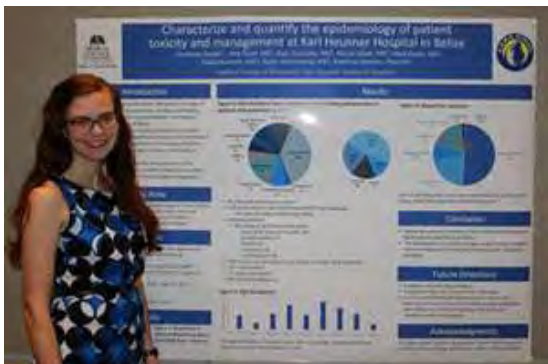
Olivia Davies

International Organization: Belize Ministry of Health, Belize Vector and Ecology Center

Faculty: John Grieco, PhD, associate director

Study: [Knowledge, Attitudes, and Practices Towards Chagas Disease in Northern and Southern Belize](#) (PDF)

Purpose: The aim of this study was to assess if the knowledge of Chagas Disease was greater in the southern regions of Belize than the southern regions due to higher vector presence.



Courtney Goulet

International Organization: Karl Heusner Memorial Hospital, Belize Faculty:

Amy Zosel, MD, associate professor emergency medicine Study:

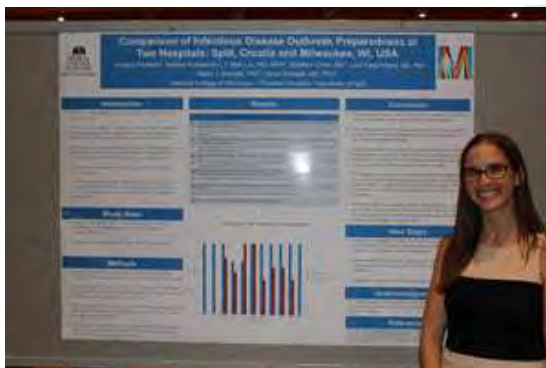
[Characterize and Quantify the Epidemiology of Patient Toxicity and Management at Karl Heusner Hospital in Belize](#) (PDF) Purpose:

Characterize and quantify the epidemiology of human toxicity, patient characteristics, and disposition after treatment provided by Karl Heusner Memorial Hospital emergency physicians in Belize; Strengthen knowledge base in medical toxicology.



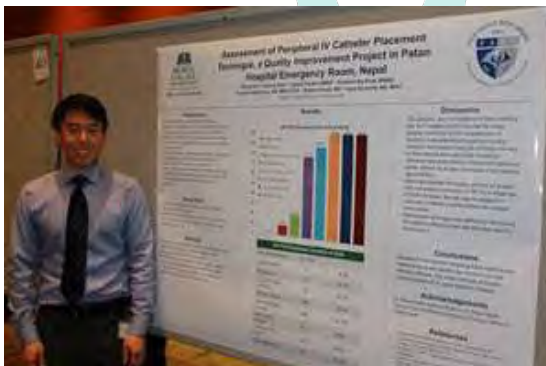
Bellony Nzemenoh

International Partner: School of Medicine University of Split, Croatia
 Faculty: Zeljko Bosnjak, PhD, professor anesthesiology and physiology
 Study: [Sleep Study Habits in Medical Students](#) (PDF) Purpose: This study explored quantity of sleep and associated lifestyle choices for medical students.



Kristina Parthum

International Organization: School of Medicine University of Split, Croatia
 Faculty: Zeljko Bosnjak, PhD professor anesthesiology and physiology
 Study: [Comparison of Infectious Disease Outbreak Preparedness in Two Hospitals: Split, Croatia and Milwaukee, WI](#) (PDF) Purpose: Complete public health surveys on infectious disease outbreak preparedness at a hospital in Split, Croatia and a hospital in Milwaukee, WI, USA; Compare the hospitals' infectious disease outbreak preparedness.



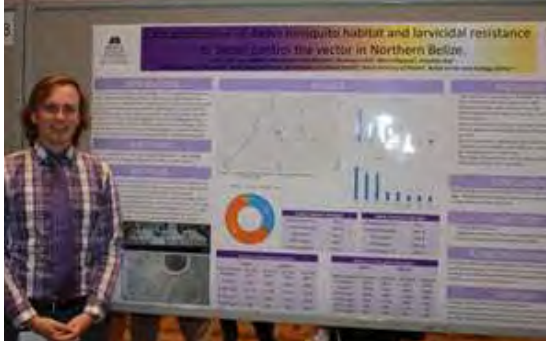
William Shi

International Organization: Patan Hospital, Nepal
 Faculty: Theodore MacKinney, MD, MPH, FACP, associate professor internal medicine
 Study: [Assessment of Peripheral IV Catheter Placement Technique, a Quality Improvement Project in Patan Hospital Emergency Room, Nepal](#) (PDF)
 Purpose: Identify contributing factors to high rates of septic phlebitis at Patan Hospital; Identify potential educational interventions to durably reduce the risk of septic phlebitis to near at or near Western values.



Andrew Stein

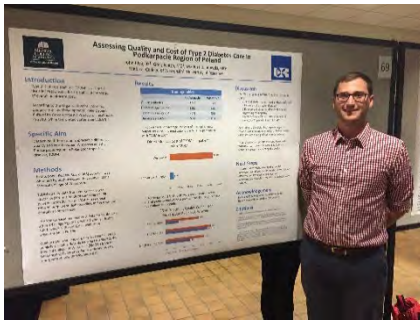
International Organization: Patan Hospital, Nepal
 Faculty: Theodore MacKinney, MD, MPH, FACP, associate professor internal medicine
 Study: [Peripheral IV Septic Phlebitis Quality Improvement Project in Patan Hospital, Nepal](#) (PDF)
 Purpose: Conduct quality improvement study to improve care at Patan Hospital; Establish present Patan Hospital septic phlebitis baseline; Implement intervention to reduce rate of phlebitis.



Josh Thiel

International Organization: Belize Ministry of Health, Belize Vector and Ecology Center
 Faculty: John Grieco, PhD, associate director
 Study: [Characterization of Aedes Mosquito Habitat and Larvicidal Resistance to Better Control the Vector in Northern Belize](#) (PDF) Purpose: This study aimed to analyze water characteristics of Aedes positive water containers to better understand what types of habitats Aedes mosquitos choose. Larval resistance of the Aedes mosquito to the larvicide Temephos was also measured to assess the effectiveness of the larvicide in controlling the Aedes population.

Summer 2016



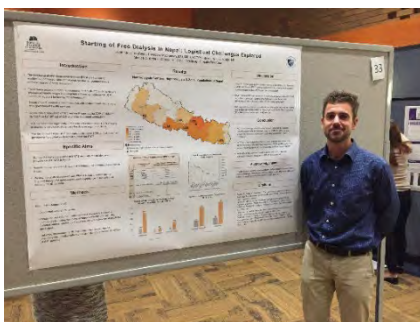
John Idso

Rzeszow University, Poland

Faculty: Grzegorz Telega, MD, Associate Professor Pediatrics

Study: Quality and Cost of Type 2 Diabetes Globally

Purpose: Determine if there is an appreciable difference in quality and cost between Wisconsin and the Podkarpackie region in Poland for a specific disease, T2DM.



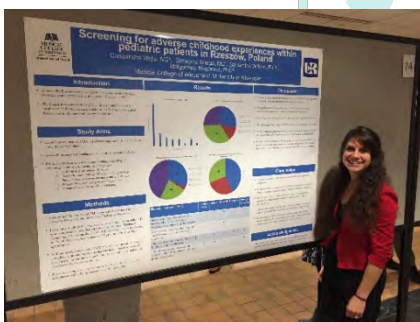
John (Jack) McGee

Dhulikhel Hospital, Nepal

Faculty: Theodore MacKinney, MD, MPH, FACP, Associate Professor, Department of Internal Medicine

Study: Renal Replacement Therapy in Nepal: A Point in Time Survey

Purpose: Survey the current statistics of RRT & estimate the incidence and prevalence of ESRD in Nepal; Assess the current state & regional distribution of nephrology services in Nepal; Review the costs associated with RRT in Nepal to determine the financial burden the government could experience in supporting all incident ESRD patients.



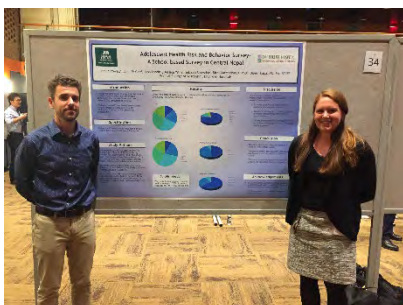
Cassandra Mejia

Rzeszow University, Poland

Faculty: Grzegorz W. Telega, MD, Associate Professor of Pediatrics and Samantha Wilson, PhD, Associate Professor of Pediatrics

Study: Screening for adverse childhood experiences within pediatric patients in Rzeszow, Poland

Purpose: The purpose of this study was to assess the prevalence ACEs and explore the frequency and experiences of screening for ACEs within a pediatric population in Rzeszów Poland. Specific objectives include: (1) Identifying prevalence of ACEs in the pediatric population seen at Sokrates clinic, Rzeszów, Poland, (2) Assessing whether primary care pediatricians identify or screen for ACEs, and (3) Exploring physician experiences and opinions regarding ACE screening within the following five categories: (1) Provider training and awareness of ACEs, (2) Perception and attitude of screening, (3) Perceived control over screening and intervention, (4) Perceived cultural acceptance of screening, and (5) Perceived social approval of screening.



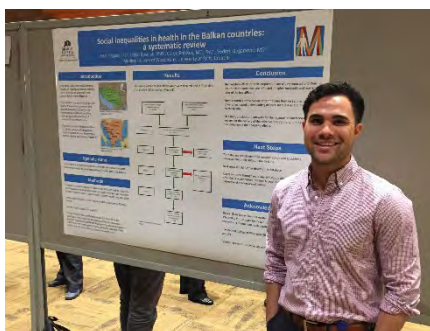
Jacqueline Powell and John (Jack) McGee

Dhulikhel Hospital, Nepal

Faculty: Bipin Thapa, MD, MS, FACP, Assistant Professor of Medicine, Associate Clerkship Director, Department of Medicine and Biraj Karmacharya, PhD, MBBS, MSc, University of Washington Nepal Studies Initiative, Chief of Department of Community Programs at Dhulikhel Hospital Kathmandu University

Study: Adolescent Health Risk and Behavior: a School-based Survey in Central Nepal

Purpose: Determine if health trends exist based on age, gender, caste, and location of adolescents.



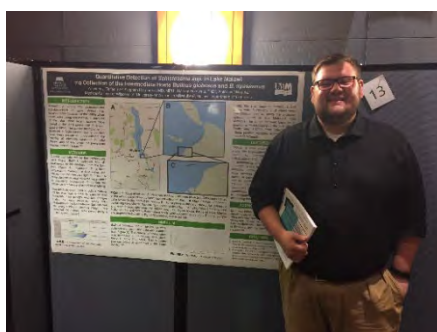
Peter Regala

University of Split, Croatia

Faculty: Zeljko Bosnjak PhD, Professor and Vice Chair for Research Anesthesiology and Physiology and Ozren Polasek, PhD, Associate Professor, Department of Public Health, University of Split, Croatia

Study: Social inequalities in health in Balkan countries: a systematic review

Purpose: Conducted a systematic review to determine to what extent research has been conducted on social inequalities of health across the Balkans (Albania, Bosnia and Herzegovina, Bulgaria, Croatia, Kosovo, Montenegro, Romania, Serbia, and Slovenia).



Zachary Telfer

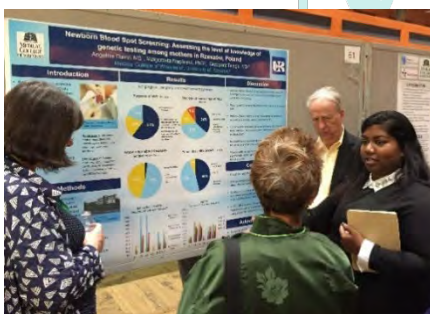
University of Wisconsin-Milwaukee

Faculty: Stephen Hargarten, MD, MPH, Associate Dean for Global Health and Harvey Bootsma, PhD, Professor University of Wisconsin – Milwaukee School of Fresh Water Sciences

Study: Quantitative Detection of *Schistosoma* Cercariae in Lake Malawi via collection of the Intermediate Hosts *Bulinus globosus* and *B. nyassanus*

Purpose: The current methods for the detection of *Schistosoma* spp. in the lake have been shown to underestimate the quantity of infectious cercariae in Lake Malawi and do not reflect the prevalence studies done in the past.

Summer 2015



Angeline David

Rzeszow University, Poland

Faculty: Grzegorz Telega, MD, Associate Professor Pediatrics

Study: Newborn Blood Spot Screening: Assessing the level of knowledge of genetic testing among mothers in Rzeszow, Poland

Purpose: The aims of this study are to assess the knowledge gap regarding newborn blood spot screenings in an urban community in Poland with a questionnaire. This will help to identify what measures can be put into place to meet the needs of patients regarding knowledge about newborn screenings.



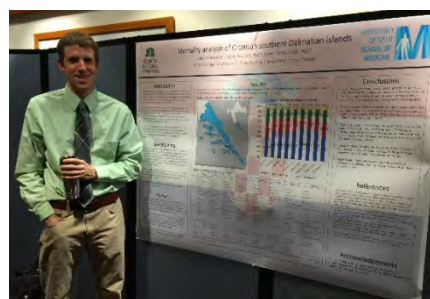
Meredith Buck

FUNDA SALVA, El Salvador

Faculty: Julia Dickson-Gomez, PhD, Professor Psychiatry, Center for AIDS Intervention Research

Study: Newborn Blood Spot Screening: Combination HIV prevention strategy implementation in El Salvador: perceived barriers and adaptations reported by outreach educators and supervisors

Purpose: This project specifically examines barriers that educators face in implementing the peer education as designed, how these differ among the subpopulations, and adaptations made as a result.



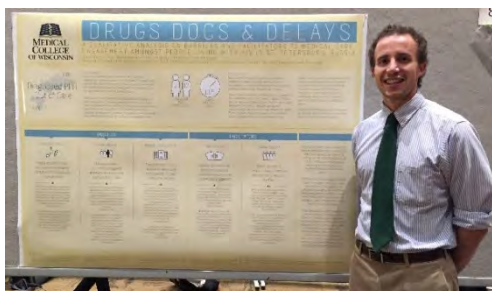
Joshua Rehberg

Centre for Global Health, Medical School, University of Split, Croatia

Faculty: Zeljko Bosnjak, PhD, Professor Anesthesiology and Ozren Polasek, MD, PhD, Professor of Public Health and Medicine, University of Split, Croatia

Study: Mortality analysis of Croatia's southern Dalmatian islands

Purpose: Specifically, this study aimed to create mortality profiles for the Dalmatian islands of Brač, Hvar, Korčula, Lastovo, Mljet, Šolta, and Vis, and the peninsula of Pelješac, which effectively serves as an island given its isolated geography.



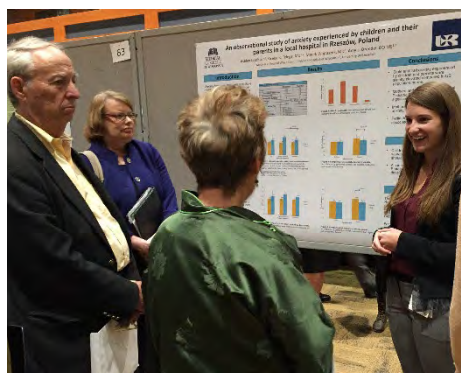
Jaron Smith

Botkin Hospital, Russia

Faculty: Yuri Amirkhanian, PhD, Professor, and Jeffrey A. Kelly, PhD, Professor, Department of Psychiatry and Behavioral Medicine

Study: [Drugs, Docs, and Delays: A qualitative analysis on barriers and facilitators to medical care engagement amongst People Living with HIV in St. Petersburg, Russia](#)

Purpose: Identify common factors that assisted them in engaging in medical care and following their medication regimens, obstacles that prevented them from doing so in the past and currently.



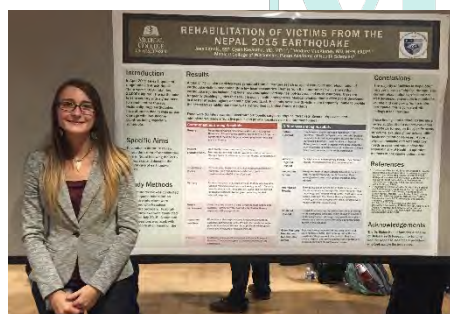
Ashley Jacobson

Rzeszow University, Poland

Faculty: Amy L. Drendel, DO, MS, Associate Professor of Pediatrics; Emergency Medicine, Grzegorz Telega, MD, Associate Professor of Pediatrics, Program Director of Liver Transplant Hepatology

Study: [An observational study of anxiety experienced by children and their parents in a local hospital in Rzeszów, Poland](#)

Purpose: 1) describe the state anxiety of children and their parents in the pediatric Emergency (ED), General Pediatric, and Orthopedic Departments; 2) evaluate characteristics associated with high state anxiety; and 3) assess the relationship between anxiety and pain.



Jesa Landis

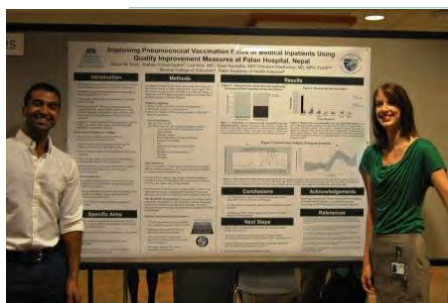
International Organization: Patan Hospital, Nepal

Faculty: Ted MacKinney, MD, MPH, FACP, Associate Professor Medicine

Study: [Physical Rehabilitation of Victims from the Nepal 2015 Earthquake](#)

Purpose: To summarize the extent of rehabilitation services that were offered in Nepal following the earthquake, and to qualitatively describe the general care of earthquake victims including: patient characteristics, innovations to rehabilitation care, family involvement in rehabilitation, barriers to care, and impact on providers.

Summer 2014



Allison Bock

International Organization: Patan Academy of Health Sciences, Nepal

Faculty: Dr. Theodore MacKinney

Study: [Improving pneumococcal vaccination of medical inpatients using quality improvement measures at Patan Hospital, Nepal](#)

Purpose: The purpose of the study is to measure the baseline pneumococcal vaccination rate of qualifying adult patients discharged from the medical wards and assess reasons for non-vaccination.

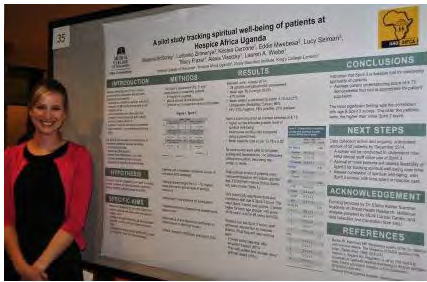
Kathan Chintamaneni

International Organization: Patan Academy of Health Sciences, Nepal

Faculty: Dr. Theodore MacKinney

Study: [A Trial of Quality Improvement Processes in Outpatient Diabetes Care at Patan Hospital, Nepal](#)

Purpose: The purpose of the QI study is to increase compliance with current quantitative proteinuria testing guidelines set forth by the American Diabetes Association and the UK National Institute for Health and Care Excellence



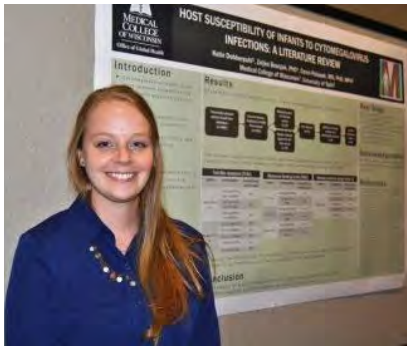
Brianna McSorley

Hospice Africa Uganda, Uganda

Faculty: Dr. Lauren Wiebe

Study: A Pilot Study Tracking Spiritual Well-Being of Patients at Hospice Africa Uganda

Purpose: The purpose of the study is to assess the feasibility of using the Spirit 3 for tracking spiritual well-being over time spent in hospice care, assess if participation in hospice care would improve patients' average state of spiritual well-being and to understand how the clinical staff at Hospice Africa Uganda valued the use of the Spirit 3 in clinical practice.



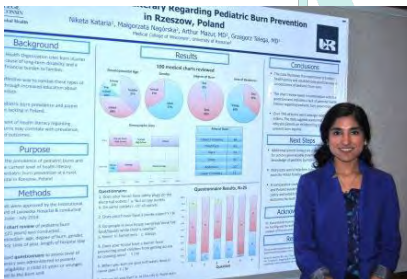
Katie Dobberpuhl

International Organization: University of Split, Croatia

Faculty: Dr. Zeljko Bosnjak

Study: Host Susceptibility of Infants to Cytomegalovirus Infections: A literature review

Purpose: The purpose of the study was to conduct a systematic review aiming to identify genetic polymorphisms that may be responsible for increased susceptibility of cytomegalovirus to newborns and fetuses.



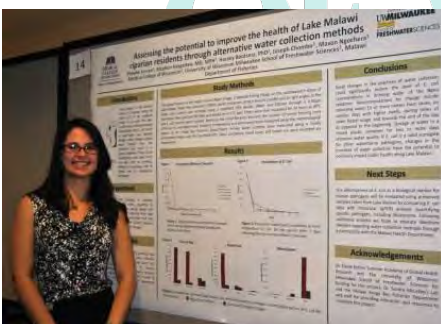
Niketa Kataria

International Organization: University of Rzeszow, Poland

Faculty: Dr. Grzegorz Telega

Study: Evaluation of Health Literacy Regarding Pediatric Burn Prevention in Rzeszow, Poland

Purpose: The purpose of the study is to measure health literacy regarding pediatric burns, a standardized questionnaire is applied to assess understanding of prevention (childproofing), to estimate prevalence of burns in the referral area, and to determine if measures of health literacy correlate with severity and outcomes of burns.



Phoebe Jensen

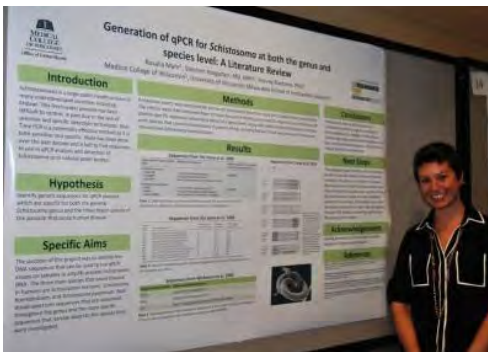
Malawi Health Department

Faculty: Dr. Stephen Hargarten and Dr. Harvey Bootsma, Associate Professor, School of Freshwater Sciences, University of Wisconsin - Milwaukee

Study: Assessing the potential to improve the health of Lake Malawi riparian residents through alternative water collection methods

Purpose: Identify practical, low-cost changes in daily methods of water collection that would lead to cleaner water and to be able to provide recommendations to residents and water resource managers about how to collect water in order to reduce the risk of

illness due to waterborne pathogens.



Rosalia Mahr

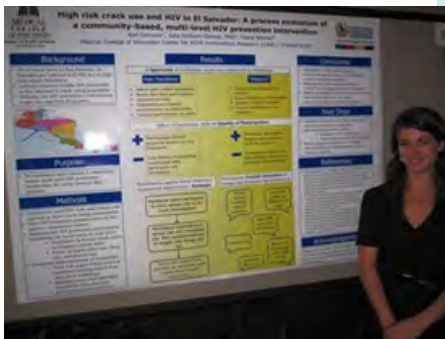
Malawi Health Department

Faculty: Dr. Stephen Hargarten and Dr. Harvey Bootsma, Associate Professor, School of Freshwater Sciences, University of Wisconsin - Milwaukee

Study: Generation of qPCR for Schistosomiasis at both a genus and species level: A Literature Review

Purpose: Identify the DNA sequences that can be used to run qPCR assays on samples to amplify present *Schistosoma* DNA. Both broad-spectrum sequences that are conserved throughout the genus and the more specific sequences that narrow down to the species level will be investigated.

Summer 2013



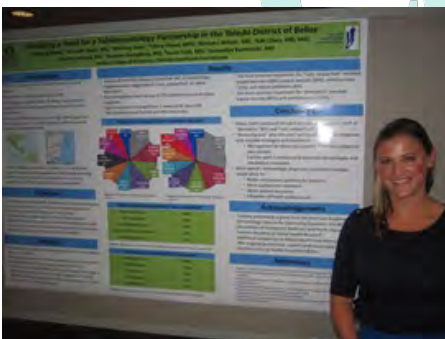
Kali Johnson

FundaSalva (Government agency for drug prevention and control), El Salvador

Faculty: Dr. Julia Dickson-Gomez

Study: High risk crack use and HIV in El Salvador: A process evaluation of a community-based, multi-level HIV prevention intervention

Purpose: The purpose of this study was to implement and evaluate a community-based, multi-level HIV prevention intervention for crack users in San Salvador



Melanie Bobbs

Hillside Healthcare International, Belize

Faculty: Dr. Jacquelyn Kuzminski

Study: Validating a Need for a Teledermatology Partnership in the Toledo District of Belize

Purpose: To characterize and quantify dermatologic disease presentation, patient characteristics, and disease management by HHCI providers through a retrospective chart review. To better characterize vague or difficult diagnoses and understand where specialty care can be considered and used. To assess the need for a teledermatology partnership between the Medical College of Wisconsin and HHCI.



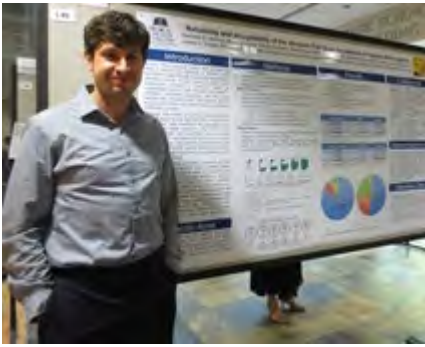
Holly Haberman and Susan Good

Yantalo Peru Foundation, Peru

Faculty: Drs. Paula North & Sue Kehl

Study: Intervention Development: A Review of Medicinal Plants and Common Pesticides Used in the Alto Mayo Region of Peru

Purpose: The goal of this intervention development is to identify commonly used medicinal plants in order to sample them for potential contamination, and to identify commonly used pesticides in the region



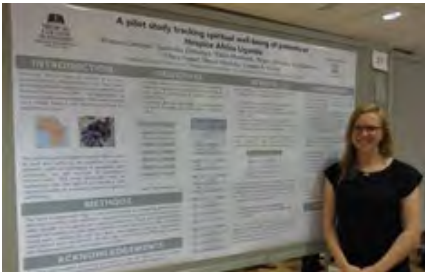
Bryan Johnston

International Organization: Hospice Africa Uganda, Uganda

Faculty: Dr. Lauren Wiebe

Study: Reliability and acceptability of the Jerrycan Pain Scale for patients at Hospice Africa Uganda

Purpose: The purpose was to validate the novel Jerrycan Pain Scale (JPS) against two more commonly used and validated scales, a numerical hand scale (NHS) and the Wong-Baker FACESTM (WBF) scale. Patient preference for pain scales was also investigated.



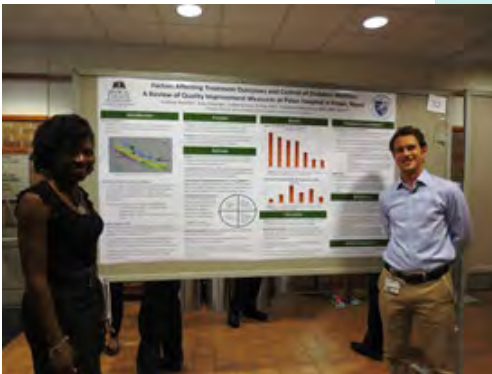
Kristen Cercone

Hospice Africa Uganda, Uganda

Faculty: Dr. Lauren Wiebe

Study: A pilot study tracking spiritual well-being of patients at Hospice Africa Uganda

Purpose: The purpose was to provide evidence that the Spirit 8 is a feasible tool for longitudinal, quantitative monitoring of the spiritual well-being of patients cared for within HAU and to correlate spiritual well-being as demonstrated by Spirit 8 scores, with time spent on hospice care.



Andrew Mueller and Amy Otuonye

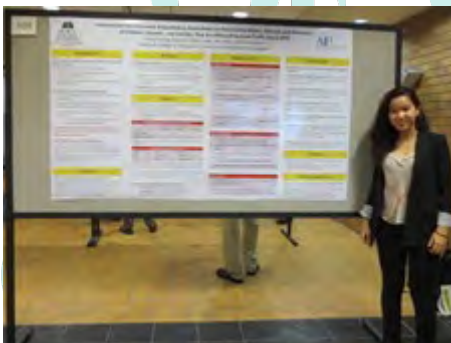
Patan Academy of Health Sciences, Nepal

Faculty: Dr. Theodore MacKinney

Study: Factors Affecting Treatment Outcomes and Control of Diabetes Mellitus: A Review of Quality Improvement Measures at Patan Hospital in Patan, Nepal

Purpose: The primary purpose is to assess the current treatment outcomes and control of diabetes mellitus in patients seen at Patan Hospital. Outcomes include regular check-ups, tests, and exams. The secondary purpose is the introduction of the concept of QI to the faculty, residents, interns, and medical students of Patan Hospital and Patan Academy of Health Science.

Summer 2012



Giang (Natalie) Nguyen

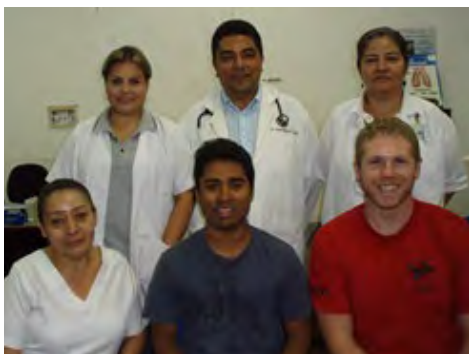
Asian Injury Prevention

Foundation, Vietnam

Faculty: Dr. Peter Layde

Study: Intervention Development: A Qualitative Assessment on Road Safety Beliefs, Attitude and Behaviors of Children, Parents, and Families That Are Affected by Road Traffic Injury (RTI)

Purpose: The purpose of this intervention development project is to capture stories of Southern Vietnamese children, parents and family members that were recently affected by road traffic injury.



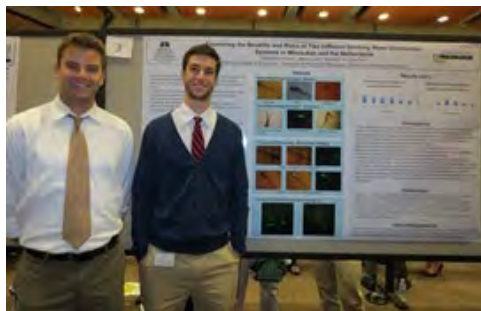
Dustin Hansen and Ketan Nadkarni

FundaSalva (Government agency for drug prevention and control), El Salvador

Faculty: Drs. Julia Dickson-Gomez and Andy Petroll

Study: High Risk Crack Use Settings in El Salvador: A community-based, multi-level HIV prevention intervention

Purpose: The purpose of this study is to gather preliminary data regarding patients who have entered HIV treatment to determine what factors are associated with poor adherence or failure to remain in medical care for HIV.



Jeff Lurie and Ben Carron

UW-Milwaukee School of Fresh Water Sciences and the WATER Institute

International Organization: Water Authority of the Netherlands, Netherlands

Faculty: Drs. Michael Carvan and David Garman

Study: Examining the benefits and risks of two different drinking water disinfectant systems in Milwaukee and in the Netherlands

Purpose: The purpose of this multidisciplinary study is to examine the advantages and disadvantages of each system as a guide for implementing long-term water purification systems in the developing world.



Kathleen Hannan

Hospice Africa Uganda, Uganda

Faculty: Dr. Lauren Wiebe

Study: An analysis of the jerrycan pain scale for patients at Hospice Africa Uganda

Purpose: The purpose was to validate the novel jerrycan pain scale against the two more commonly used scales: the Wong-Baker FACES™ and a Likert numerical hand scale, in addition the clinician's observation. The team also sought to determine patient preference among the various pain scales.

Summer 2011



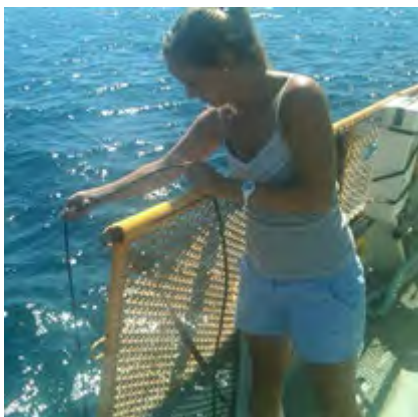
Van Nguyen

Asian Injury Prevention Foundation, Vietnam

Faculty: Dr. Peter Layde

Study: An Assessment of the "Helmets for Kids" Program in Vietnam

Purpose: The purpose of this study is to analyze the effectiveness of AIP's multifaceted Helmets for Kids program in increasing helmet use among children in Vietnam.



Laura Miller

Sixteenth Street Community Health Center Environmental Health Division; University of Wisconsin-Milwaukee Great Lakes Water Institute

Faculty: [Dr. Stephen Hargarten](#)

Study: Stormwater Runoff, Contamination of Recreational Waters, and the Risk of Waterborne Illness in Milwaukee

Purpose: summarize the public health implication of contaminated recreational water in Milwaukee, how fecal contamination occurs, and what local organizations are doing to address this problem. This was achieved by means of a literature review, key informant interviews, and a case study of the Kinnickinnic River watershed.



Sebastian Price

International Learning Center of Neighborhood House of Milwaukee and Zhejiang University School of Public Health Hangzhou, China

Faculty: Dr. Stephen Hargarten

Study: Relationship between the age of menarche and later adult body composition & metabolic risk factors

Purpose: review the first wave of a newly formed database of Chinese health information.

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