



Hackensack Meridian
School of Medicine

2021 COHORT

Hackensack Meridian School of Medicine's
4TH ANNUAL



**HUMAN DIMENSION
CAPSTONE SCHOLARSHIP DAY**

May 15, 2024

| Screen # | Name | Capstone Project |
|----------|----------------------|--|
| 1 | Chauhan, Aditya | Transforming Children's Lunches for a Healthier Future |
| 2 | Wong, Cara | Health literacy in L&D |
| 3 | Wan, Erica | Supra Powers: Evaluating Healthcare Provider Awareness and Integration of Suprapubic Catheterization |
| 4 | Church, John | Learning How To Build Trust with Communities: The First Step To Reducing Health Disparities |
| 5 | Meyer, Philip | Priority Discharge Service (PDS) to Reduce Length of Stay |
| 6 | Naumova, Sophia | Early, Accurate Med Reconciliations by Pharmacy Techs |
| 7 | Kohman, William | Provider Barriers to Childhood Domestic Violence Screening |
| 8 | Mintz, Abby | The Impact SES Has on Neurocognitive Outcomes in Pediatric Brain Tumor Survivors |
| 9 | Fontanetta, Anthony | Harmony in Healthcare: Orchestrating Holistic Patient Profiles in the Information Age |
| 10 | Diaz, Christopher | Early Palliative Care Intervention in High-Risk Surgical Patients |
| 11 | Wan, Christopher | Video Games as Treatment in Psychiatry |
| 12 | Hussain, Hajrah | Language Interpreter Services: Pearls and Pitfalls |
| 13 | Weisman, Hannah | HMH Transportation Access Project |
| 14 | Phillippi, Matthew | Addressing Imaging Disparities Through Medical Education |
| 15 | Chan, Weng | Implementing comprehensive screening questionnaires to close gaps in healthcare for pediatric immigrant patients |
| 16 | Sridhar, Aishwarya | Identifying Interventions to Improve Access to Mental Health Care in Minority Cancer Patients |
| 17 | Kaur, Amanpreet | Assessing the perspectives of oncology healthcare professionals towards the role of environmental health in medicine |
| 18 | Osei-Frimpong, Bruce | Connecting Palliative Patients with Medical Students via 15-Minute Phone Calls |
| 19 | Burg, Ethan | The Effect of Medication Assisted Treatment Education on the Knowledge, Attitudes and Practices Regarding Opioid use Disorder Among Medical Students |
| 20 | Nadeau, Nicolas | Nutley High School Exercise Program Pilot |
| 21 | Aguiar, Taylor | Medical Spanish Programming at HMSOM |
| 22 | Perrin Hee, Benjamin | Student to Student Mentorship in Medicine |

| Screen # | Name | Capstone Project |
|----------|-----------------------|---|
| 1 | Uka, Chioma | Maternal Mortality Crisis: Understanding Knowledge & Awareness of Medical Students to Improve Outcomes |
| 2 | Almadani, Hamzah | Communications Gap |
| 3 | Posner, Kevin | Financial Constraints Prevent Access to Necessary Specialized Car Seats for Spica Cast Patients: A Call for Car Seat Lending Programs |
| 4 | LaRosa, Sabrina | Sex Trafficking Education at HMSOM |
| 5 | Patel, Shivani | Language Interpretation Services at HUMC: Usage and Barriers |
| 6 | Adonimohammed, Sohail | Use of a retinal imaging device to increase diabetic ocular pathology surveillance |
| 7 | Park, Elisa | The Assessment of Culturally Relevant Resources in Gestational Diabetes Mellitus Lifestyle Management |
| 8 | Bernstein, Eric | A Framework for Improved Patient Education in the ED |
| 9 | Schneier, Ezra | Addressing Sudden Cardiac Arrest: An Analysis of the Efficacy and Implementation of Automated External Defibrillators in New Jersey Schools |
| 10 | Budge, Kelly | A Multi-Network Provider Perspective on Transgender Healthcare within Obstetrics and Gynecology |
| 11 | Cruz, Kiana | Contraception Content on Social Media: Trends, Gaps, and Opportunities for Education |
| 12 | Panda, Om | Mitigating the Adverse Effects of Loneliness on Youth Mental Health Outcomes |
| 13 | Chaturvedi, Ruchir | Improving Risk Factor Assessment and Management in Patients with Peripheral Vascular Disease |
| 14 | Oliveira, Tatiana | Rainbow List: Identity-Concordant Care for LGBTQ+ Patients |
| 15 | Murray, Caitlin | Naloxone Distribution: Increasing Access for Patients and Providers |
| 16 | Sorini, Maya | Screening for SNAP Eligibility in the HUMC Emergency Department: Feasibility and Pitfalls |
| 17 | Vissa, Pranay | Emergency Department - Primary Care Clinic Partnership Model |
| 18 | Shaikh, Sameeha | Intimate Partner Violence Education in Medical School Curriculum |
| 19 | Scheinert, Timothy | Implementing a Motorcycle Safety Toolkit: A Resource for Riders and Providers |
| 20 | Lynott, Victoria | Implementing Mindful Based Stressed Reduction for Symptomatic Relief in Patients with Irritable Bowel Syndrome |

| Screen # | Name | Capstone Project |
|----------|-----------------------|--|
| 1 | Sharbin, Gabrielle | The Urgency of Stress Reduction Amongst Medical Students: Reiki Therapy as a Potential Modality |
| 2 | Kaczmarczyk, Karolina | Reduction of Inflammatory Bowel Disease readmission rates among Medicaid insured patients presenting to Jersey Shore University Medical Center |
| 3 | Adly-Gendi, Patrick | A Student Run Clinic Medical School Elective to Improve Adherence to Postoperative Follow Up |
| 4 | Sangappa, Sahana | Culturally Appropriate Nutrition Education for Diabetes in Latino Patients in Plainfield |
| 5 | Trivedi, Sahil | A System Based Solution for Streamlining Communication Between Schools and Educational Outreach Programs |
| 6 | Richards, Sean | The Effects of Student Mentoring in the Community: A Prospective Outlook |
| 7 | Okorafor, Udochukwu | Efficacy of Diabetes Education provided by Molly Center on Diabetes Management |
| 8 | Youssef, Daniel | Empowering Recovery: A Handout For Patients With SUD in the ED |
| 9 | Xue, Jeffrey | Nasogastric Tubes in Psychiatric Patients |
| 10 | Vargas, Joselin | Bridging Gaps: Empowering uninsured patients through a student-drive charity care assistance program |
| 11 | Wickman, Julia | A Social Ecological Model for Understanding Barriers and Solutions to Quality Healthcare for LGBTQ Youth |
| 12 | McCormick, Quinn | The Impact of a Decline in Childhood Education on the Practice of Pediatrics |
| 13 | Nugent, Robert | Stop The Bleed Instructor Training at HMSOM |
| 14 | Vanaria, Robert | Fueling the Future: Empowering Pediatric Populations through Nutrition Education |
| 15 | Lee, Albert | Weight Bias and Impact of Body Mass Index on Prolonged Ventilation Rates in Cardiothoracic Surgery Patients |
| 16 | Merritt, Elise | Expanding Continuous Glucose Monitor Access |
| 17 | O'Malley, Geoffrey | Evaluating Mandatory Jockey Baseline Concussion Testing and in the Context of Native Language: A Systematic Review and Meta-Analysis |
| 18 | Pelliccia, Michael | Vaping Health Literacy in New Jersey |
| 19 | Gelfond, Robert | Addressing Medication Cost SDOH Through New FDA Rule: A Policy Proposal for the Clifton Health Department |
| 20 | Mohideen, Sarah | Video Directly Observed Therapy for Outpatient Methadone Clinics |
| 21 | Meledathu, Shannon | Improving Diagnosis on Diverse Skin Tones: A Project to Expand a Skin of Color Medical Image Repository |
| 22 | Baer, Hila | Addressing Inaccessibility to Fertility Preservation in Pediatric Oncology Patients |
| 23 | Patel, Milan | Utility vs. Equity: Assessing Kidney Distribution under the new UNOS Allocation Policy |
| 24 | Mikhail, Mirai | Closing the Gap in Surgery for Drug Resistant Epilepsy |
| 25 | Kim, Priscilla | Importance of CPR Training |
| 26 | Ohazuruike, Shawn | Patient Perspectives Surrounding Epidural Anesthesia in Labor: A Sentiment Analysis of X (formerly Twitter) Tweets Using Artificial Intelligence (ChatGPT) |

| Screen # | Name | Capstone Project |
|----------|-----------------------------------|---|
| 1 | Ho, Andre | Stop The Bleed (STB): Bridging Lifesaving Knowledge to Communities |
| 2 | Cammalleri, Brian | Screen Time in Kids: Connection to Sleep and Exercise |
| 3 | Fleming, Erika | Knowledge is Empowerment: Community Outreach to Enhance Women's Cancer Screening Awareness |
| 4 | Chen, Jamie | Evaluating ChatGPT as a Resource for Navigating Insurance and Healthcare |
| 5 | Aggarwal, Kavya | Enhancing Naloxone Education in the Emergency Room |
| 6 | Otto, Kyle | Mobile Healthcare Clinics in Northern New Jersey |
| 7 | Edeson, Max | Probiotic Stewardship: Understanding the Current Landscape of Probiotic Use/Misuse |
| 8 | Snyder, Nathaniel Anwar, Walid | Pedaling Ahead: Transforming Hackensack with Bike Lanes |
| 9 | Park, Daniel | Proposal to Incorporate an Exercise Space on the Nutley Campus |
| 10 | Leopold, Katherine | The WITNESS Project: Extension to Heritable Breast and Ovarian Cancer |
| 11 | Chung, Kevin | Improving Availability of Eye Care in a Tertiary Care Setting |
| 12 | Mills-Robertson, Kweku | Understanding Disparities in Breast Cancer Diagnosis and Treatment |
| 13 | Nunn, Lara | Professional Language Interpreter Services: Evaluating its Use and Impact on Quality of Care from the Patient Perspective |
| 14 | Schoenike, Mark | The Importance of Food Insecurity Screening in Pediatric Emergency Rooms: Addressing a Key Social Determinant of Health |
| 15 | Godek, Maxwell | Increasing the Availability of Breast Reconstruction for Uninsured Individuals: a Proposal |
| 16 | Lozada, Rachel | Addressing Need for LGBTQ+ Identity-Concordant Care |
| 17 | Criscione, Caile | Nutrition & Mental Health: Education and Resources to mitigate symptoms of depression with the anti-inflammatory diet |
| 18 | Carter, Destiney | Physician for a Day: HMSOM's Newest Pipeline Program |
| 19 | Bhandal, Harsimran | Medical Spanish Volunteer Health Interpreter Initiative at the SOM |
| 20 | Larson, Kristian | Examining Primary Care Follow-Up Rates Post-Discharge |
| 21 | Breda, Madeline | A Reproductive Health Resource Guide for Uninsured Patients in Bergen County |
| 22 | Weerasuriya, Singiti | Addressing Knowledge Gaps in Opioid Conversion Education |

| Screen # | Name | Capstone Project |
|----------|---|---|
| 1 | Abdelhameed, Adham | Understanding the Perspectives of Frequent Emergency Department Users through Mixed Methods Analysis |
| 2 | Dhanasekaran, Hema | Navigating Empathetic Conversations with Patients: A Guide for Medical Students |
| 3 | Cazorla Morales, Ilona | Stop the Bleed Program Outreach to Middle Schools: Empowering Students to Save Lives |
| 4 | Wiener, Lauren | Donor Conceived Persons and Social Media |
| 5 | Boivin, Nicholas | Pharmacogenomics and Major Depressive Disorder: Time to Take a Stance? |
| 6 | Sakurai, Shinya | Stress Management Group Therapy for Development of Healthy Coping Skill |
| 7 | Wahab, Asina | Increasing Educational Material on Type II Diabetes Mellitus for Arabic and Farsi (Dari) Speaking Natives |
| 8 | Smith, Howard | Postnatal Management and Barriers to Care for Antenatal Hydronephrosis |
| 9 | Suh, Jason | Navigating Healthcare and Access to Social Services |
| 10 | Pecoraro, Matthew | Addressing the Gap in Mental Health Resource Awareness |
| 11 | Kinard, Paul | Decreasing Emergency Department Usage for School Psychiatric Clearances |
| 12 | Leonard, Sarah | Increasing Adherence to AAP Child Passenger Safety Guidelines to Prevent Pediatric Trauma |
| 13 | Bahlouli, Soumaya | Type 2 Diabetes Diet Education Material for Arabic Patients within the Hackensack Meridian Health Network |
| 14 | Sciavolino, Brandon | Ask Me 3 at Jersey Shore University Medical Center: A Tool for Addressing Health Literacy |
| 15 | Pham, Liem | Student Burnout and Its Effects on Specialty Interest |
| 16 | Seymour, Livia | Empowerment Through Education: Proposing a Social Media Workshop to Combat Negative Body Image |
| 17 | Jayade, Maansi | Importance of Patient Education on Analgesics during Labor and Delivery in Third-Trimester Patients |
| 18 | Gunning, Thomas | Characterizing digital health literacy as an emerging social determinant of health in oncology patients |
| 19 | Dagot Vince, Gerald | Mental Health Fairs to Combat Mental Health Stigma in Faith Based Communities |
| 20 | Bakus, Cassandra Dadi, Divya Spyropoulos, Stavroula | Implementation of a Structured Reading Program on Pediatric Services |
| 21 | Boutros, Estephen | HMSOM Saving A Life Under Distress (S.A.L.U.D) Initiative: Basic Approach to Choking and Opioid Overdose |
| 22 | Nguyen, Khoa | Stop the Bleed: Bringing Safety to Schools |
| 23 | McCann, Mackenzie | Assessing Awareness and Clinical Utility of Digital Mental Health Apps in Clinical Settings |
| 24 | Ali, Rey (Rehman) | Understanding Patients' Knowledge and Beliefs About Colonoscopies |

| Screen # | Name | Capstone Project |
|----------|------------------------|---|
| 1 | Beil, Conor | Pediatric Depression; A Commentary on Barriers to Screening and Treatment, and Interventions to Overcome Them |
| 2 | Christophel, Elizabeth | Public School Health Screenings: Closing the Gap on Access to Corrective Lenses |
| 3 | Ihionkhan, Emmanuel | Reshaping Healthcare: Enhancing Discharge Planning for Chronic Heart Failure Patients at Jersey Shore University Medical Center |
| 4 | Valenti, Jasmin | Prevention of Fatal Injuries in Construction Workers |
| 5 | Singh, Meghana | Educating Medical Students on Screening and Intervention Tools for Reproductive Coercion during Phase I |
| 6 | Calegari, Nicole | Method to Improve Rates of Preventable Injury in Pediatric Populations with Limited-English Proficiency |
| 7 | Wang, Rebecca | Nurturing with Knowledge: Bridging the Gap in Infant Nutrition |
| 8 | Alnsour, Tariq | Medication-Assisted Treatment in the ED |
| 9 | Cadiente, Angelo | Modernizing Patient Education on Pregnancy Loss using Large Language Models |
| 10 | Hochman, Ariel | CPR Education For Middle School-Aged Children |
| 11 | Implicito, Catherine | Expanding Screening for Women at Risk for Colon Cancer |
| 12 | Jenkins, Gracie | Improving Kloxxado [®] Pilot Program: Expanding Access to Naloxone |
| 13 | Bertrand, Jovan | Prescriptions & Subscriptions: An Initiative to Improve Awareness of Affordable Prescription Drug Programs |
| 14 | Lee, Matthew | Application of Chat-Bot Artificial Intelligence in Education of Traumatic Brain Injury: A Comparative Readability Analysis of ChatGPT and MSKTC Fact Sheets |
| 15 | Dafonte, Natalia | Women's Breast Health: Women's Health Fair |
| 16 | Zaveri, Svati | Integration of Complete Streets Near Hackensack University Medical Center |
| 17 | Shah, Abhin | JSUMC Emergency Department Harm Reduction Services |
| 18 | Anshelevich, Ellen | Creating an Effective Sun Safety Curriculum for NJ Schools |
| 19 | Malik, Martin | Utilization of machine learning to inform efficient discharge planning processes: a systematic review |
| 20 | Shah, Pooja | Evaluating the Cultural Sensitivity of Nutrition Educational Material at The Molly Center for Diabetes Education |
| 21 | Bala, Suraj | Improving Diabetic Retinopathy Screening With Retinal Cameras |
| 22 | Itzkowitz, Tamar | Inequity in Fertility Preservation for Pediatric Oncology Patients |



Hackensack Meridian
School of Medicine

Interested in Becoming a Capstone Mentor?

- Support the vision and mission of our school
- Address health equity and support our local communities
- Get involved in local communities and advocacy work
- Advance your faculty involvement and scholarship

Scan Me



MENTOR REQUEST FORM

For more information, contact:
cpsom@hmhn.org

