



5TH ANNUAL

Human Dimension Scholarly Capstone Day
Presented by Jonathan & Lizzie Tisch

May 14, 2025

Calling All Community Partners!

Do you have a burning idea for a project addressing a social, economic, or environmental factor impacting health? Our medical students are eager to collaborate!

As part of their Capstone Scholarly Project, students research a real-world problem connected to a Determinant of Health and propose a solution. This is your chance to partner with a bright, dedicated student and make a tangible difference in our community.

Share your project ideas with us!



Agenda

- 12:30 - 1:20 p.m.** Elizabeth Cerceo, MD, FACP, FHM, FEFIM
Keynote Speaker
Amphitheater
- 1:30 - 2:15 p.m.** **Poster Session 1**
Learning Studios
4th Floor: Rooms 4320 A/B
3rd Floor: Rooms 3415, 3417, 3419
- 2:00 - 2:30 p.m.** **Phase 3 Presenters**
Outside Amphitheater
- 2:30 - 3:00 p.m.** **Awards**
Capstone Posters
Amphitheater
- 3:00 - 3:30 p.m.** **Phase 3 Presenters**
Outside Amphitheater
- 3:15 - 4:00 p.m.** **Poster Session 2**
4th Floor: Rooms 4320 A/B
3rd Floor: Rooms 3415, 3417, 3419
- 4:15 - 5:00 p.m.** **Poster Session 3**
4th Floor: Rooms 4320 A/B
3rd Floor: Rooms 3415, 3417, 3419

Phase 3 Poster Presenters

HMSOM Volunteer Health Interpreting Organization
[Harsimran Bhandal](#)

HMSOM Procedural Doula Program
[Madeline Breda](#)

Physician for a Day: The Legacy Continues
[Destiney Carter](#)

Bergen Volunteer Medical Initiative (BVMI) PLUS:
Making a Student-Run Free Clinic Sustainable
[Katherine Leopold](#)

Evaluating Community Interactions with Law Enforcement and Healthcare
Services: Insights from People Who Use Drugs
[Nicholas Lozano](#)

Sensory Inclusivity in the Mock Clinical Setting: Fostering an Inclusive Clinical
Environment for Patients with Autism
[Mackenzie McCann](#)

Improving Usage of Interpreter Services in the HUMC Emergency Department:
A Quality Improvement Project
[Lara Nunn](#)

Improving Social Work Documentation for Efficient Case Management:
Utilizing EMR to Enhance Workflow at a Free Clinic
[Shawn Ohazuruike](#)

Reiki Therapy for Stress Reduction in Medical Students:
A Human Dimension Community Project
[Gabrielle Sharbin](#)

Screen #	Name	Capstone Project
1	Blount, Nicholas	Video testimonials for kidney transplant awareness in African American Communities
2	Chan, Amber	Survey of physicians on education, perspective, and advocacy in abortion care across a Northeastern academic healthcare system
3	Fooks, Allen	Pulse Oximetry Accuracy in Relation to Skin Tone
4	Gartley, Caitlin	Bridging Gaps in Sexual Health Literacy
5	Slavin, Avi	The Hospital for Elder Life Program (HELP), implemented at home
	Anand, Sidharth	The Hospital for Elder Life Program (HELP), implemented at home
6	Udaiyar, Abinav	Promoting Healthy Eating in Food Shelters: A Nutrition Education Initiative
7	Vollbrecht, Mallory	Mindfulness-Based Interventions (MBIs) for Alzheimer's Patients
8	Abid, Ahmad	Extending Transitions of Care to the Emergency Department
9	Catalano, Megan	Education Follow-Up to Diabetes and Blood Pressure Screening in Plainfield 8th Graders
10	Jain, Arshiya	Engaging the South Asian Community in Cardiovascular Health Education: A Temple Based Workshop
11	Jain, Vanshika	Addressing Mental Health Care in Older Adult Patients Using Happify
12	Markovic, Nicholas	Facilitating the Transition of Care from Pediatric to Adult Medicine
13	Noto, Jack	Paying for Psychotherapy: A Moral Imperative for Insurance Companies
14	Radevic, Andreja	Hackensack Meridian School of Medicine Mentorship Initiative (HMSOM-MI)
15	Behrooz, Melika	In Their Chair: Exploring Wheelchair Accessibility and Health Challenges Through Interactive Storytelling
	Brofsky, Andrew	In Their Chair: Exploring Wheelchair Accessibility and Health Challenges Through Interactive Storytelling
16	DeFronzo, Connor	Barriers to Home Discharge Following Total Joint Arthroplasty
17	ElTom, Nicola	Diaper Need and Health Disparities: Examining Diaper Dermatitis Rates and the Case for Medicaid Coverage
18	Leung, Andrew	Expanding Fresh Match to the HMH Mountainside Community
19	Li, Alan	Clinician Perspectives on Motivation and Goal-Setting Strategies for Improving Patient Adherence In Physical Therapy
20	Patel, Viha	Exploring Culturally Relevant Diabetes Education Outreach From Community Pillars
21	Zaytseva, Daniella	Integrative Care for Opioid Use Disorder in the Emergency Department: Bridging the Gap Between Substance Use and Mental Health Services
22	Bachir, Hanin	Addressing Barriers in NJ FamilyCare: A Systems Change Approach
23	Bartlett, Brian	A Primary Care Intervention To Address Overcrowding in the Pediatric Emergency Department
24	Choi, Daniel	No Veggies Left Behind!
25	Khan, Ahmed	Transportation Barriers and Health Outcomes in the Elderly: Policy Recommendations Based on Best Practices
26	Mehta, Dhriti	Improving PCP Follow Up After EMS RMAs
27	Paul, Ryan	Infrequent Reporting and Analysis of Social Determinants of Health in Orthopedic Clinical Trials: A Systematic Review
28	Tremonti, Nathaniel	Reducing social Isolation through frequent and effective communication within the Phone Pal Program at HMSOM

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1	Barsoom, Shady	Managing Screen Time to Protect Provider Well-Being
2	Blecherman, Mira	Promoting Breastfeeding and Supporting Mothers: A Breast Pump Donation Program
3	Chen, David	Implementation Of Flowsheet To Document Infant/Toddler Anaphylaxis
4	Chowdhury, Elma	Bridging the Healthcare Gap in Garfield: Student Run Mobile Screening Clinic
	Palmer, Charles	Bridging the Healthcare Gap in Garfield: Student Run Mobile Screening Clinic
	Ogunsemowo, Angelique	Bridging the Healthcare Gap in Garfield: Student Run Mobile Screening Clinic
5	Hanna, David	Improving Access to Psychiatric Care In Underserved Communities
6	Omane, Suzette	KAP Survey on the use of Artificial Intelligence for Medication Adherence
7	Sparks, Chandler	Emergency Department Utilization for Pregnancy Testing: A New Jersey Statewide Needs Assessment
8	van Biema, Fiamma	Women Becoming Mentoring Program

Screen #	Name	Capstone Project
9	Adwani, Samantha	Enhancing Healthcare Literacy by Bridging Language Barriers in Stroke Education
10	Cantor, Yaakov	Palliative Care Education: Medical School and Beyond
11	D'Aversa, Samantha	Disparities in Neonatal Intensive Care: A Qualitative Study of Black Parents
12	Fu, Harrison	Patient Portal Use in ED Patients
13	Guirguis, Sandra	Observation Vs Inpatient Status: Resident And Patient Education
	Economou, Philip	Inpatient vs Observation: Resident and Patient Education
14	Kay, Daniella	Evaluation of Nutritional Quality and Opportunities for Improvement in Clifton Elementary School Lunch Menus for Grades K-5
15	Tabatabaee, Omid	Act Fast: Overcoming Language Barriers in Stroke Education
16	Vu, Lauren	Spreading Awareness and Understanding of Pediatric Grief and Depression
17	Adams, Quinn	Knowledge, Attitudes, and Practices Regarding Social Determinants of Health among Surgeons
18	Ahmed, Faizan	Health Booth New Brunswick
19	Basralian, Grace	Analysis of Trauma Cases in a Shopping Mall and Amusement Park Setting: A Retrospective Study of Emergency Department Visits at HUMC
20	Chaljub, Kaitlynn	Using the CDC's AMIGAS educational outreach program on promoting cervical cancer awareness among Hispanic/Latinx patients in New Jersey
21	Marcin, John	Parental Barriers and Perceptions of Kangaroo Care in the Neonatal Intensive Care Unit at Jersey Shore University Medical Center
22	Thiemann, Daniel	Spanish Language Cancer Support Group for the HMM Network
23	Zhu, Eric	Exploring Salt Solution Recovery in a Spray Flash Vacuum Distillation Device

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1	Acoury, Gabriella	Mapping a Healthier Clifton
2	Cullen, Zachary	Mitigating Food Insecurity in the Disabled Population
3	Kazi, Hooria	My Medication List: Bridging the Gap in Medication Understanding
4	Varghese, Justina	Enhancing Access to Psychotherapy
5	Vicisko, Courtney	Transitions of Care for Pediatric Patients with Autism Spectrum Disorder
6	Weiss, Conrad	Improving Workplace Violence Reporting in Emergency Departments
7	Wolter, Miriam	Improving Outcomes for Patients with Diabetes through Group Visits
8	Beauchamp, Lee	Nutritional Education for Perioperative Orthopedic Patients
9	Brune, Sarah	Mind the Gap: Addressing Deficits in Patient Education Post-Stroke
10	Derman, Ege	Gun Safety in Pediatric Primary Care
11	Hatazaki, Mai	Edinburgh Postnatal Depression Scale (EPDS) in patients experiencing perinatal loss: a single center descriptive study over a 4 year period
12	Lee, Jasper	Supporting Caregivers of Stroke Patients
13	Locke, Evan	Expanding Medical Education with an ASD Inclusivity Training Event
14	Chiang, Jeremy	Ethically Grounded Systems-Level Solution Proposal: Integrating Spanish Language Accessibility into the Hackensack Meridian Health App
15	Cloppse, Lucas	Using AI to Predict Perioperative Risk including Environmental Exposures
16	Dimaano, Pauline	Improving the Bergen County Sexual Assault Response Team (SART) Script for the Hackensack University Medical Center ED
17	Fox, Mackenzie	Intimate Partner Violence in Women's Health: The CUES Intervention for Futures Without Violence
18	Mitreski, Filip	Virtually-Guided Physical Therapy for Chronic Musculoskeletal Back Pain Its Role as an Adjunct Treatment to Reduce Opioid Burden
19	Povelaitis, Michael	Establishing a Community Dermatology Clinic to Improve Access in Plainfield, NJ
20	Townsend, Justus	Empowering Communities to Combat Anemia in Pregnancy
21	Voity, Kaitlyn	Enhancing Patient Understanding of Palliative Care Through Educational Flyers
22	Ali, Mir	Improving Hypertension Outcomes Through Accessible Patient Education Materials
23	Donepudi, Santhosh	Culturally Specific Dietary Education for the Indian Community
24	Gikashvili, Lia	Creating a Geriatric Friendly ED at JSUMC
25	Koduri, Santhosh	Addressing Empathy Erosion: Proposal to Improve Empathy Curriculum at HMSOM
26	Rikabi, Shahad	Virtual Reality as a Tool to Reduce Pediatric Pain and Anxiety: A Proposal for Systems-Level Integration at HUMC
27	Salazar, Gabriel	School-Based Prevention Groups for Newly Arrived Immigrant Latino Youth Mental Health
28	Savla, Riya	Ethical Considerations in the Use of Weight Loss Medications

Screen #	Name	Capstone Project
1	Silverstein, Daniel	Implementing Voter Registration Resources at HMM
2	Ali, Sania	Improving Chagas Disease Screening Efforts in Bergen County, New Jersey
3	Allen, Garrison	Bike Lanes in Hackensack
4	Bhave, Priya	Bridging Primary Care & Endocrinology: Streamlining Type 1 Diabetes Screening & Prevention
5	Collamore, Katherine	Implementing Early Parental Education on Routine Newborn Care
6	Cardeiro, Alexander	Increasing Interpretation Services in the ED to Address SDoH for Non-English Speaking Patients
7	Werner, Lucas	Proposal of a "Personal Health Summary Form" Exercise for Medical Students
8	Xu, Kevin	Cost Plus Drugs: A More Affordable Option for Prescription Medications

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9	Bankauskas, Vita	Heart Failure Management Improvements at Jersey Shore University Medical Center (JSUMC)
10	Cao, Qilin	Navigating Healthcare and Access to Social Services
11	Henrich, Mason	Transformation Trunk: A Wardrobe Solution for the Weight Loss Journey
12	King, Zavia	Enhancing Health Literacy for Medical Student Education
13	Mourtzanakis, Kelly	Improvement of Medical Students' Clinical Interactions with Patients with Autism Spectrum Disorder
	Mukherjee, Sruti	Improvement of Medical Students' Clinical Interactions with Patients with Autism Spectrum Disorder
14	Stein, Guy	Cholesterol Care Initiative: Building a Curriculum to Help Patients Take Charge of their Dyslipidemia
15	Wynne, Peter	Bright Paths, Safer Streets: Designing for Pedestrian Visibility and Protection
16	Zhang, Kevin	Encouraging Effective Patient Education of Bariatric Surgery by PCP's
17	Bhatia, Rhianna	Exercise and Pregnancy: An Educational Approach to Patient Perspectives
18	Girardini, John	Exploring Relationships Between Socioeconomic Status and Sidewalk Obstructions Using Two Northern New Jersey Towns
19	Kallas, Bruno	Raising Awareness: Empowering BVMI Patients with Community Resources
20	Lamba, Kshitiz	Improving Health Equity: Closing the Information Gap in Access to Public Transportation in North Jersey
21	Plasil, Leigh	Bridging the Pain Gap: Assessing Patient Satisfaction with Pain Management and Counseling During IUD Insertion
22	Vallesteros, Renzmark	Medicaid Aid: A Guide to Improve Enrollment, and Subsequent Health Outcomes, in the Homeless Population
23	Denning, Taegn	Healthier Eating Habits Through Cooking Videos

Screen #	Name	Capstone Project
1	Luebke, Matthew	Implementation of a Community-Based Virtual Tool to Characterize Sidewalks in Teaneck, NJ
2	Cepeda, Nicholas	Ethical Considerations Surrounding Involuntary Hospitalization: Dissecting New York City's Involuntary Commitment Plan for Mental Health
3	Leiter (formerly Greenberg), Aliza	Improving Medical Residents' Training in Recognizing Skin Conditions on Varying Skin Tones
4	Parvez, Aazam	A Revision of PT Guidelines in Post Shoulder Arthroplasty Patients
5	Sriramaneni, Nihal	Disparities in access to upper extremity replantation: an analysis of trauma care in New Jersey
6	Zeiman, Mallery	Fall Prevention Strategies Influence on the rate of Geriatric Falls: A Systematic Review
7	Appow, Kelley	Culturally Sensitive Diet for Southeast Asian Patients with Diabetes
8	Beckmann, Devin	Pediatric Diabetic Retinopathy Telescreening
9	Biswal, Ashley	Parental Education about Pediatric Imaging
10	Jin, Zexi	Bridging Gaps in Palliative Care: Expressive Writing for Symptom Management
11	Kazarian, Edgar	Universal H. pylori Screening for a High-Risk Immigrant Population
12	Malley, Grace	Distribution of US Center for SafeSport Resources throughout the Public School System
13	Price, Maxwell	Benefits and Risks of New Tests for Alzheimer's Disease
14	Shah, Harshal	Training Parents to Identify Shunt Failure in Children with Hydrocephalus
15	Bashar, Hannah	Identifying Burdens of Illness Among Emergency Department Patients Who Would Benefit from Palliative Care Referral
16	Bessette, Noelle	Addressing Food Insecurity in the Pediatric Emergency Department
17	Fidan, Kenan	Navigating Dementia Disparities
18	Glatz, Gwendolyn	Phishing Scam Awareness in Elderly Populations
19	Kim, Luna	Improving Stethoscope Hygiene Rates
20	Porzuelo, Harvy	Project SPIRO: Supporting Patient Incentive Respiratory Optimization
	Botvinov, Julia	Project SPIRO: Supporting Patient Incentive Respiratory Optimization
21	Volcotrub, Egor	Strengthening Role Recognition through Extended Medical Student IDs to Improve Patient Care and Communication
22	Alnsour, Sabaa	Global Disparities and Diagnostic Innovations: Anterior Ocular Inflammatory Surface Diseases
23	Arias-Ruiz, Hernan	Proposed patient health education printed material for Spanish-speaking parturients admitted to the Labor and Delivery unit at Hackensack University Medical Center
24	Fogel, Lindsay	Impact of Social Determinants of Health on Outcomes for Patients with Multiple Myeloma Receiving T-cell Engagers
25	Jayaram, Mohit	Proposal for the Creation of a Longitudinal Nutritional Education Program With Additional Assessment of Health Outcomes
26	Yogeswaran, Shaiesh	Analyzing Strategies to Reduce Acute Myocardial Infarction (AMI) Readmissions at Ocean University Medical Center (OUMC)
27	Oscanoa, Charly	Navegando El Espectro: Apoyo para Padres de Niños con Autismo; Navigating the Spectrum: Support for Parents of Children with Autism
28	Glynn, Darwin	Proposal to decrease recurrent Diabetic Ketoacidosis readmission

Screen #	Name	Capstone Project
1	Adams, David	A Student-built, Novel Interactive Software for Medical Education around Epidemiology in Oncology
2	Cardin, Mitchell	Promoting Geriatric Patient Usage of MyChart
3	Chester, Grace	Quality Improvement of Trauma Surgery Post Discharge Follow Up
4	De Gregorio, Lucius	Implementation of AI Models in Healthcare
5	Hussain, Hamzah	A Novel Substance Abuse and Wellness Program for HMSOM Students
6	Liu, Katherine	Integrating Stop the Bleed (STB) into HMSOM: Enhancing Medical Student Emergency Preparedness
7	Pan, Tianrun	Pediatric Mental Health Education and Resource Awareness Project
	Donne, Robin	Pediatric Mental Health Education and Resource Awareness
8	Slavick, Charlotte	Breaking Barriers to Medicaid Access in New Jersey: A Community-Based Initiative

Screen #	Name	Capstone Project
9	Adam, Eliza	Assessing Postpartum Depression Follow-Up at Lighthouse Pregnancy Resource Center
10	Damerau, Austen	Where's the gap? A closer look into transportation resources for the pediatric population with disabilities in Monmouth and Ocean counties
11	Davide, Melissa	Integration of Chronic Vulvovaginal and Pelvic Pain Education in OB/GYN Residency Training
12	Elkholy, Adam	Stop the Bleed: Addressing the Training Gap
13	Reisler, Robert	Increasing Screening for Pathologic Gambling Disorder in the Outpatient Psychiatric Setting
14	Sadangi, Archana	Assessment of Xylazine Use Trends Among Statewide Harm Reduction Centers
15	Waseem, Amman	Lessening the Burden: The Search for Client Management Software
16	Kapoor, Sejal	Meds Beyond Beds for Eliquis: Improving Health Literacy About Medication Affordability
17	Laezzo, Madison	Closing the Gap: Strategies to Increase Colon Cancer Screenings in New Jersey
18	Odibo, Michelle	Navigating Food Insecurity through Community
19	Sadownick, Justin	Broadening Healthy Food Options at Food Pantries
20	Timmons, Michelle	Socioeconomic Status and Pediatric Psychiatric Hospitalization
21	Ullah, Nafee	Pericapsular Nerve Group (PENG) Blocks for Hip Pain: Patient Outcomes in a Single-Center Emergency Department
22	Windsor, Jordan	Improving Outcomes Through Language - A Culturally Sensitive Approach to Orthopaedic Surgery
23	Biswas, Jayit	NJ InCK: Community Engagement Best Practices

Want to be part of the Human Dimension? Become a Capstone Mentor

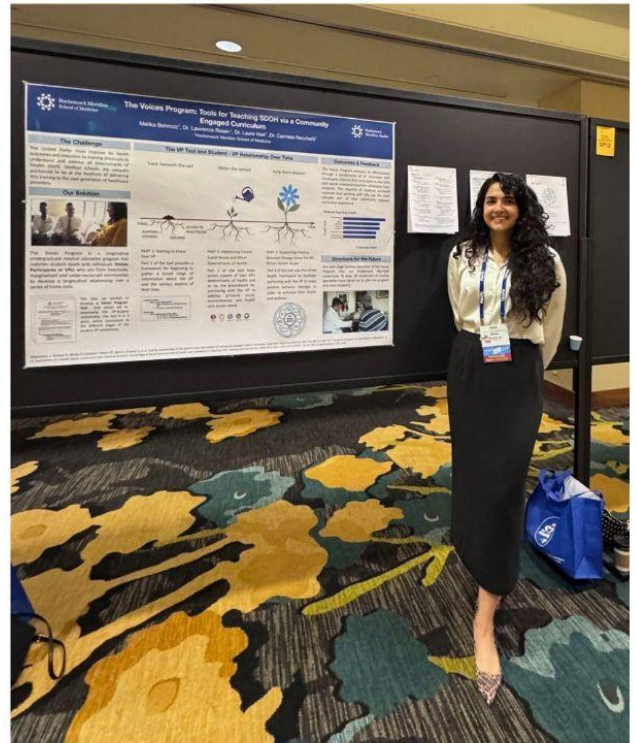
Guide the Next Generation of Healthcare Leaders!

The HD Capstone is a scholarly project requiring students to analyze, integrate, and synthesize key themes from their 3-year Human Dimension curriculum. Students select a real-world health challenge and develop a proposed solution to address it. They have a full academic year (June to May) to complete the project with clearly defined milestones and support from their HD facilitator.

What are My Responsibilities as a Mentor?

Your role is to provide expert guidance and support to students as they navigate their projects. This includes:

- **Project Development:** Help refine and focus the student's initial project idea.
- **Resource Guidance:** Suggest relevant resources, including literature, organizations, experts, and stakeholders.
- **Literature Review Support:** Offer feedback and guidance on their literature review.
- **Intervention Brainstorming:** Serve as a sounding board as they develop interventions to improve the chosen health outcome.
- **Final Project Guidance:** Assist in identifying and shaping their final project/deliverable.



Ready to make a difference? ➡

Use the QR Code to fill out our request form

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MENTOR REQUEST FORM

