

2024 SYNAPSE ANNUAL REPORT

Occcupational & Environmental Medicine Residency

Program Directors

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HARVARD T.H. CHAN SCHOOL OF PUBLIC HEALTH

https://hsph.harvard.edu/occupationalenvironmentalmedicineresidencyprogram

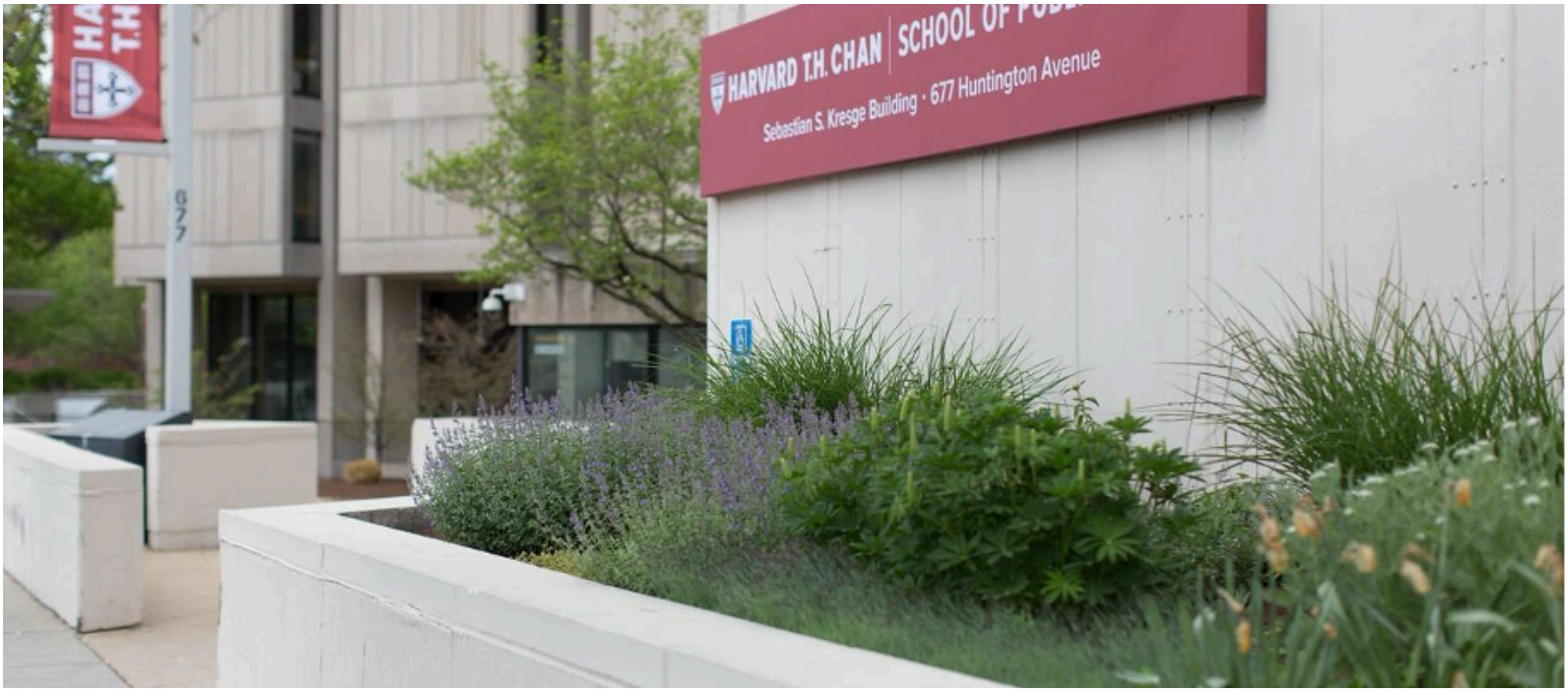


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Program Director's Welcome:



Stefanos N. Kales, MD, MPH

Welcome to the 17th edition of the Occupational and Environmental Medicine Residency (OEMR) Annual Report, our 2024 OEMR Synapse. Closing out 2024, the state of our program remained vigorous and formidable. Although unprecedented events during the first half of 2025 have eclipsed those of 2024 and drastically altered our budgetary realities, our program continues to thrive but is under serious threat. Before we discuss current needs and next steps, however, let me summarize the successes of 2024.

In 2024, we graduated six outstanding categorical residents. Three additional categorical residents continued into their second year and have now graduated. In 2024-2025, another six categorical residents completed their first year of training. As of July 2025, six new residents - five categorical and one complementary - have matriculated, bringing our current total to twelve outstanding trainees.

The Harvard program continues to stand out with a highly competitive applicant pool, outstanding residents, faculty/trainee awards, other honors, and excellent ABPM exam results. During 2024, innovative program features such as the Lifestyle Medicine Residency Curriculum (LMRC) and FAA examinations at Cambridge Health Alliance (CHA) have thrived. The CHA clinic continues to host visiting US and international medical students and resident rotations throughout the year.

NIOSH Cuts and Harvard Federal Funding Freeze

The spring of 2025 brought news that we had lost approximately $250,000 in NIOSH annual training funds, and at least for now, the NIOSH Education & Research Center has been unfunded. Decisive and bold actions from our Department Chair, Dr. Kari Nadeau; Professor David Christiani, the ERC Director; the OEM residency program directors; and the presence of our residency-specific Endowment funding have enabled the program to fulfill all training and tuition commitments for 2025-26 to our continuing and incoming residents.

Call to Action from Alumni and Friends

While several new sources of income have been developed and are still being created, a significant portion of the 2025-26 support comes from "one-time" internal reallocations. To sustain the program into 2026-27 and beyond, we need new and additional funds dedicated to the residency. Now is the time for every Harvard OEM alum to consider the return on investment he or she gained from their training and to help keep this training accessible for future trainees by making the largest possible contribution to our current use and endowed funds. Please join me in making a tax-deductible gift to support resident training. Dr. Yang and I are already talking to some impressive applicants for July 2026. For online giving link and mail-in donation instructions, see page 21.

In closing, we invite competitive students, residents, and mid-career physicians to read our annual report and consider our specialty and the Harvard Chan OEM program. To our alumni and friends, we are grateful for all your support in continuing this world-renowned program.

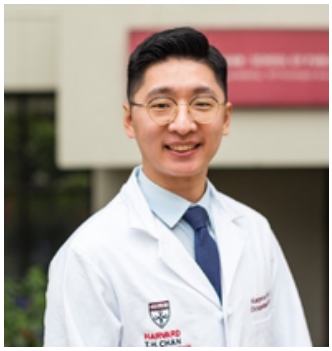
We again wish everyone the best of health and hope to see you all soon!

Warm regards,

Stefanos

Current Residents:

2nd Year Residents



Kangwook Huh, DO, MPH(MPH'24, OMER '25) is originally from South Korea and spent part of his early life in Cape Town, South Africa, before settling in Southern California. He earned his bachelor's degree in chemistry from Pepperdine University and completed his medical degree at Western University of Health Sciences in Pomona, California. During his internal medicine residency at the University of Connecticut, he developed a deep interest in occupational and environmental medicine, particularly the field's emphasis on prevention and systems-level impact. Following graduation from HSPH OEMR, he will return to Southern California to join the Los Angeles Department of Water and Power. He is excited to focus on the prevention and treatment of work-related injuries, striving to ensure a save and healthy environment for employees. He continues to practice as a hospitalist, bringing a strong foundation in internal medicine to his OEM work. Outside of medicine, he is an avid runner and is training for his first half marathon in May 2025.



Christopher Leopardi, DO, MPH (MPH '24, OEMR '25), is originally from New Jersey and graduated from Touro College of Osteopathic Medicine, Middletown NY. He completed an internship in Family Medicine at Naval Hospital Jacksonville, FL. He went on to receive further training in Hyperbaric and Undersea Medicine at Naval Undersea Medical Institute, and became Undersea Medical Officer at the submarine base in Groton, CT. His main role included occupational screening for submarine candidates, which is where he became interested in OEM. After graduation, Chris will be stationed in Okinawa, Japan in the role of 1st Marine Air Squadron Surgeon. Outside of work, Chris enjoys spending time with his wife and kids. He is an avid hiker, mountain biker, and surfer.



Derek Stewart, DO, MPH (MPH'24, OEMR'25) grew up in Santa Clara, UT. He served as a missionary in Finland for 2 years and speaks Finnish. After his missionary service, he graduated from Brigham Young University with a degree in Exercise Science. Sports and exercise have always been an important part of Derek's life, while playing soccer in college, becoming an Ironman triathlete, and avid surfer. Derek completed medical school at the Lake Erie College of Osteopathic Medicine in Bradenton, FL, where he also received a Master's degree in Health Services Administration.

After medical school, he completed a General Surgery internship at UC Davis Medical Center in Sacramento, CA. Since that time, he has been a U.S. Air Force Special Operations flight surgeon at Hurlburt Field, FL, where he has enjoyed the blend between optimizing health and human performance. Derek has also been the medical director for Own My Health, helping people develop healthy lifestyles and improving their well-being. While at Harvard, he became board-certified in Lifestyle Medicine. After graduation, Dr. Stewart will be working as an occupational medicine physician at General Dynamics in Groton, CT. He enjoys spending time at the beach with his wife and four children, Charlie, Eloise, Penelope, and Freddie.

1st Year Residents:



Erika J. Anderson, MD (MPH '25, OEMR '26), grew up in Houston, TX, and completed her undergraduate studies at the University of Texas at Austin. She discovered a passion for international medicine while studying abroad in Cusco, Peru, before graduating with a Bachelor of Science in Nutrition. Soon after, Dr. Anderson was commissioned into the U.S. Air Force and attended medical school at Texas Tech University Health and Sciences Center, studying abroad again in Kabale, Uganda. Upon graduation, she completed a Transitional Year Internship at Brooke Army Medical Center in San Antonio, TX. Dr. Anderson served two operational assignments as a Flight Surgeton and Medical Director at Air Force Bases in New Mexico and Alabama. In these assignments, she provided direct care for more than 1,000 aviators and emergency responders, supporting daily C-12, F-16, MQ-9, TH-1H, and UH-60 fixed and rotary-wing flight operations. Dr. Anderson highlights investigating a T-38 aircraft crash and researching dermatologic implications of sleep deprivation in U.S. military members as two memorable experiences during her time in the military. Outside of work, Dr. Anderson enjoys running and spending time with her dog, Adelo.



Andrew Bagby, MD (MPH '25, OEMR '26) is from Detroit, MI and completed his undergraduate studies at Albion College. Following graduation, he worked in biotech as a clinical scientist. He then earned his medical degree at Wayne State University through the Health Professions Scholarship Program with the US Navy. After completing his internship in Emergency Medicine at Naval Medical Center Portsmouth, he earned his 'Wings' as a Flight Surgeon at the Naval Aerospace Medical Institute in Pensacola, FL. During his two tours stationed at Naval Air Station North Island in San Diego, CA he completed a successful work/deployment cycle with Carrier Air Wing NINE aboard the USS ABRAHAM LINCOLN during the COVID pandemic. Andrew also led the establishment of the medical readiness program as a plank-holding member of the newest Navy V-22 Osprey squadron (VRM-40). It was during this time that he developed his interest in workers' health and safety. He enjoys travel, food, and being outdoors with his wife and dog.



Jeremy Berger, DO (MPH '25, OEMR '26) is from Sacramento, CA and attended undergraduate studies at University of California, Berkeley, followed by graduate studies at Georgetown University. He completed medical school at AT Still University School of Osteopathic Medicine in Arizona. As the Chief of Aerospace Medicine, Jeremy provided support to 2 Wings, clinical oversight to 46 medical providers to deliver care to 3,500 Active-Duty service members and 1,200 aircrew, battlefield airmen, and rated personnel. He directly supported operations for the C-130, HH-60, and A-10 aircraft. As the Installation Occupational and Environmental Medicine Consultant, he followed Occupational Safety and Health Administration standards and directed Bioenvironmental and Public Health teams to detect potential health hazards as well as prevent disease and injury in 78 work environments. In this capacity, he developed and modified regulatory guidelines and prepared written exposure monitoring and reporting system plans. As an innovative leader, he directed systems changes to enhance the Medical Evaluation Board process and deliver effective transitions of care. Jeremy served two operational tours in the United States and was deployed to Afghanistan as a combat flight surgeon where he received both the Air Force Commendation Medal and AIr Medal with "C" device. His current interests include preventive cardiology for population health, hyperbaric medicine for decompression sickness, and emergency preparedness response. He enjoys spending time with his Taiwanese-American wife, Anny Ku, watching historical period dramas, and listening to 1950's and 60's music.



Aditya Nellore, MD (MPH ’25, OEMR ’26) grew up in St. Louis, MO before heading to the northeast for college. He began at the University of Rochester, where he studied vocal performance and performed as a part of acclaimed a cappella group, the YellowJackets. He then transferred to Lafayette College, where he was the recipient of the American Chemical Society Prize and graduated Summa Cum Laude with a degree in biochemistry. At this point, Aditya found himself missing his parents and hometown, so he decided to move back to St. Louis for medical school, graduating from Saint Louis University School of Medicine in 2022. Since then, he has provided consulting services for a number of tech companies while also completing a medical internship at St. Luke’s Hospital in Chesterfield, MO. Aditya is passionate about pushing the boundaries in medicine to tackle issues like healthcare access and mental health. Outside of medicine, he loves singing, watching movies, and spending time with his family, friends, and pets. Aditya is incredibly excited to continue his training at Harvard’s OEM program and can’t wait for the next step of his journey!



Shannel Pegram, DO (MPH'25, OEMR' 26) grew up in Reading, Pennsylvania. She completed her undergraduate studies at Norfolk State University, earning a bachelor's degree in chemistry. She graduated from Philadelphia College of Osteopathic Medicine. Following graduation from medical school, she completed her residency in Family Medicine, serving as Chief Resident at Carolinas Medical Center in NC. Dr. Pegram commissioned into the U.S. Air Force where she served five years in Family Health Clinics and as Medical Director. Prior to starting at HSPH, Shannel worked as an embedded Flight Surgeon for a high-ops tempo fighter squadron. Outside of work, Shannel enjoys cooking, reading, and traveling. She's lived abroad in Korea twice, Germany, and the UK. She's visited all seven continents and has been to well over forty countries.



Tiffany Tam, MD (MPH '25, OEMR '26) is a native of Walnut, CA. She graduated from the University of California, Los Angeles with a B.S. in Biology and a minor in Naval Science through the Naval Reserve Officer Training Corps. She earned her medical degree from the Case Western Reserve University School of Medicine in Cleveland, OH. As an active-duty U.S. Navy Medical Officer, she went on to complete an Internal Medicine internship at Naval Medical Center San Diego and subsequent training in Pensacola, FL, where she earned her Wings of Gold and designation as a Naval Flight Surgeon. Tiffany served as a Flight Surgeon for multiple U.S. Marine Corps fighter jet squadrons in Iwakuni, Japan and San Diego, CA, including the first forward-deployed F-35B squadron. During deployment to Djibouti, East Africa, she collaborated with U.S. Air Force colleagues in the aeromedical evacuation of 46 patients for 16 missions in addition to providing acute care and aviation mishap response. She also completed hundreds of occupational fitness screening physicals for Navy, Marine Corps, and allied nation aviation candidates at the Naval Medicine Aerospace Institute. Tiffany's military experience inspired her to seek to expand her occupational medicine skills through formal residency training at Harvard. Her professional interests include workplace ergonomics and the interface between Occupational Medicine and Lifestyle Medicine. Outside of work, Tiffany enjoys surfing, running, hiking, road trips, and live music--as well as writing her own songs on guitar. Tiffany looks forward to exploring New England and Dunkin'-fueled local adventures.

2024 Graduates:



Jacob R. Berry, MD, MPH, Lt. Col, USAF, (MPH '23, OEMR '24) Dr. Berry currently holds the position of Chief of Occupational and Aerospace Medicine at Robins Air Force Base, which is the largest Air Logistics Center in the USAF and the largest single employer in the state of Georgia. At Robins AFB, they oversee the rebuilding of C-130, C-5, C-17, and F-15 airframes. He is also conducting research on factors associated with pharmaceutical fatigue mitigation in aviators, heat stroke prevention, and environmental exposures in the Department of Defense.



Matthew Hamm, MD, MPH, FACOEM (MPH ’23, OEMR ’24), a battle-hardened flight surgeon turned occupational medicine mastermind, forged his consultancy practice, HammMD, from this program's unparalleled mentorship and growth opportunities. Clients from aerospace, construction, and biotech solve their most complex challenges in employee health, with a dash of general healthcare and business. To that end, Dr. Hamm is now fanning his HBS flames through additional degrees in business and healthcare administration--an inspiring example of HSPH's cross-registration opportunities. Rounding out the agenda, he's joined everyone's favorite crew at OEHN, leads the nationwide OEM Pipeline Task Force, and leads their church's local community service division. ACOEM honored Dr. Hamm with this year's Vanguard Award and appointed him a Fellow, the fastest in history. Harvard OEMR’s favorite (i.e. only) couple's hobbies include reading bedtime stories and adulting.



Sally Hamm, MD, MPH (MPH ’23, OEMR ’24) returned to her old stomping grounds deep in the heart of Texas, where she stepped into the large boots of Stephen Kasteler (OEMR '21) under the command of Chris Scheibler (OEMR '20) at the Gateway to the Air Force--Lackland AFB in San Antonio. Highlights include instructing aerospace medicine residents, supporting our incredibly talented and dedicated federal workforce, and addressing consultations on topics from active tuberculosis in military basic trainees to isocyanate-induced asthma in aircraft maintainers to anesthesia leaks around medical research pigs. Her media

firm (where she first joined the executive production team for her HSPH MPH practicum) is now producing a sequel to their Superhuman Body IMAX film (in theaters nationwide), with more STEM documentaries and small-screen series in the pipeline. This year, Dr. Hamm and the rest of the talented 2025 AOHC Planning Committee are hosting an AOHC to remember in Austin, Texas--come for the CME; stay for the tacos; return for the friends! Sally, Matt, and the four little Hammlets continue their spontaneous dance parties and sing-alongs, occasionally on roller skates, to the bemusement of their herd of backyard deer.



K. Ray Motoyama, DO, MPH (OEMR '24) Dr. Motoyama has been the Medical Director of Occupational Health, the Environmental Exam Clinic, and Compensation & Pension at the VA Boston Healthcare System since his July 2024 OEMR graduation, where he applies his clinical expertise and leadership experience gained from his time in the Navy and residency program. He completed his undergraduate studies at George Washington University and earned a graduate degree from the University of Pittsburgh Graduate School of Public Health. He attended medical school at Lake Erie College of Osteopathic Medicine. As an active-duty Naval Officer, Dr. Motoyama completed an internal medicine internship at Walter Reed National Military Medical Center before serving seven years as a Flight Surgeon. He lives in the area with his loving wife, Kay, their son, and their daughter.



Saad Salman, MD MPH (OEMR ‘24) completed his medical education from Shifa College of Medicine in Islamabad, Pakistan in 2011. He completed his MPH in Global Health at Harvard in 2017, where he developed an interest in Occupational Health while working with SHINE (Sustainability and Health Initiative for NetPositive Enterprise). During this time, he traveled to Pakistan, China, and Cambodia to interview factory workers. He completed his training in Internal Medicine at St John's Riverside Hospital in Yonkers, NY in 2022. Working with a team at Stanford, Saad implemented a novel deep learning algorithm designed to generate optimal matches for liver transplants. The findings from this study were published in JAMA, and his team successfully lobbied for changes in provincial laws in Punjab, Pakistan. This allowed non-relatives to become liver donors, subsequently allowing the surgical team to perform the nation's first chain liver transplant in 2022. Since his 2024 graduation, Saad has focused his career on studying and mitigating the impact of climate change on the health of vulnerable workers in Pakistan and other low-income countries. Outside of work, Saad enjoys playing the drums, soccer, and cooking South Asian cuisine.



Melissa Wan, MD, MPH (OEMR ’24) Shortly after graduation in July 2024, Dr. Wan returned to Ontario to complete her Public Health and Preventive Medicine Residency Program at Queen’s University. Dr. Wan is currently working as a Medical Health Officer for Island Health in Victoria, British Columbia. She holds a Bachelor of Science in Pharmacology and a Medical Doctorate from the University of British Columbia, and completed her family medicine residency at Queen’s University. She also holds a Diploma in Tropical Medicine and Hygiene from the Nagasaki University School of Tropical Medicine and Global Health. Her interests lie at the intersection of public health and occupational and environmental medicine, leveraging her knowledge in both fields to improve population health.

July 2025 Incoming:



Gabriel A. Carrillo. III, MD, JD (MPH ’26, OEMR ’27) is a former U.S. Navy Hospital Corpsman and Naval Officer with over eight years of military service, including deployments to Afghanistan with Forward Surgical Teams and shock trauma platoons. He graduated second in his class in Cardiovascular Technology from the Naval School of Health Sciences and served as a Cardiac Cath Lab Nurse at leading military academic hospitals. Dr. Carrillo earned his Bachelor of Science in Neurotoxicology from NC State University (Magna Cum Laude) and conducted significant research while obtaining a master’s in biomedical sciences focused on environmental contaminants and the impacts of lead on child neurodevelopment. He simultaneously completed MD and JD degrees at Duke University, serving as President of the Duke Law Veterans Society and contributing to the Health Justice and Children’s Law Clinics. His legal training included federal internships specializing in biosecurity, pandemic medical countermeasures, and biothreats. Dr. Carrillo also holds a master’s degree in clinical informatics and data analytics from Duke, where he gained expertise in artificial intelligence, machine learning, and digital health policy. He has contributed to national public health initiatives through the Duke Margolis Policy Center and Duke Clinical Research Institute. Currently completing a general surgery internship, his work focuses on Occupational and Environmental Medicine (OEM) in perioperative settings, emphasizing AI-driven clinical decision support and digital health equity for underserved populations. As a fellow with the American College of Legal Medicine (ACLM), Dr. Carrillo is dedicated to advancing healthcare equity, regulatory reform, and innovative solutions at the intersection of medicine, law, and informatics.



Sierra Crowe, MD (MPH ’26, OEM ’27) grew up in Alaska and earned a BS in Environmental Science from Duke University before attending medical school at the University of Colorado. After her medical training, she served as a flight surgeon in the US Navy for four years. Her clinical experience and love for the outdoors have fueled her passion for the intersection of environmental and human health, worker wellness, and emerging health technologies. In her spare time, Sierra enjoys skiing, mountain biking, painting, and getting lost in Wikipedia rabbit holes.



Kiel V. Khan, MD, (MPH ’26, OEM ’27) was born and grew up in Trinidad and Tobago before moving to New Jersey. He graduated from Hawaii Pacific University and Uniformed Services University of the Health Sciences. Dr. Khan is a decorated Navy SEAL with over 20 years of naval service and an active-duty physician. After completing US Navy dive school, he was assigned as the first undersea medical officer and department head for a Special Warfare Combat Crewman (SWCC) command on the West Coast. Here, he led the development of a multidisciplinary performance enhancement program providing preventative and early intervention to increase operator peak performance over an extended career. He enjoys playing soccer, golfing, and surfing in his spare time. Above all, he is a devoted family man to his wife of 20 years (Brittany), daughter (Natalie, 18), and son (Kaiden, 12).



Talon W. Miner, DO, (MPH ’26, OEM’ 27) was born in Austin Texas, but claims the small town of Cisco, Texas as his hometown. He is married and has four children. He enjoys traveling and seeing new sites with this family and any activity that can get him out in nature. He graduated with his Bachelor of Science and Technology from Tarleton State University, a Master of Medical Science from the University of North Texas Health Science Center, and his Doctorate from Texas College of Osteopathic Medicine. He completed a Traditional Rotating Internship at Saint Anthony Hospital in downtown Oklahoma City, Oklahoma. He commissioned to the US Air Force through the Health Professions Scholarship Program prior to medical school and then started active duty in 2016. He completed his first assignment as a staff flight surgeon at Sheppard Air Force Base, Texas. He then opted for a rare opportunity as the Director of Medical Operations for the Contingency Response Group in Ramstein, Germany, where he supported a highly agile team focused on establishing new air bases in austere locations and two expeditionary wings. He is currently an embedded flight surgeon and the Director of Medical Operations for a high operational tempo F-15E fighter squadron stationed out of Royal Air Force Lakenheath, United Kingdom.

During his career, he has garnered several awards, including the US Air Force Physician of the Year and the US Air Force Operational Flight Surgeon Safety Award. He became excited about Occupational and Environmental Medicine during his time as a flight surgeon and is looking forward to the new chapter in his life and all that New England has to offer him and his family.



Keith N. Williams, MD (MPH '26, OEMR '27) grew up in Connecticut and Pennsylvania and completed undergraduate and graduate studies in Mechanical Engineering as well as undergraduate studies in Medicine at the University of Pittsburgh. After a preliminary internship in Internal Medicine at the University of California, San Diego, he completed his residency at the University of Pittsburgh. Since then he has had diverse work experiences at the Boston Health Care for the Homeless, Harvard Vanguard Medical Associates, as the Medical Officer aboard the barque Picton Castle during its 2005-06 world circumnavigation, as a volunteer physician with Project Hope in sub-Saharan Africa, India,and China, as an expatriate physician with United Family Hospital & Clinics in Shanghai, and most recently as a hospitalist at The Queen's Medical Center in Honolulu and Mass General Brigham – Newton Wellesley Hospital. An avid sailor and aerospace enthusiast since his youth, he holds several USCG mariner credentials as well as an FAA private pilot certificate. He recently became the Medical Officer of the Hanscom Composite Squadron of the Civil Air Patrol at Hanscom Air Force Base. After completing his training, he intends to work in the aerospace industry in the government or private sector. Keith's personal interests include history, classical music for piano, jazz/swing and the Lindy Hop, bodyweight/high-intensity interval training, swimming, yoga, and skiing, and he enjoys pursuing new adventures with his family.

Complementary Pathway:



Hariprasad Reddy Korsapati, MD is a board-certified family physician currently a hospitalist at Mayo Clinic Health System in Minnesota. He has served as the Director for Hospital Quality and Chief of Staff at Mayo Clinic Health System in Mankato, MN, where he spearheaded initiatives to enhance patient outcomes and streamline operational efficiency. Dr. Korsapati is also a Captain in the U.S. Army Reserves. With an extensive academic background that includes a Ph.D., post-doctoral fellowship, and an MBA from the Carlson School of Management, he brings a multidisciplinary perspective to healthcare. His professional interests include leveraging technology for personalized care and advancing workplace health and safety.

From the Chief:



Dear Colleagues, Alumni, and Friends of the Program,

As Chief Resident of the Occupational and Environmental Medicine Residency Program at Harvard, I'm pleased to share a few reflections on the past year—a year marked by continued growth, collaboration, and meaningful progress across all aspects of our training and work. Our residents have made meaningful contributions in both clinical and academic settings. They presented at national meetings such as ACOEM, as well as regional forums like the New England Occupational and Environmental Medicine (NECOEM) Conference. They led research on topics ranging from occupational asthma, environmental exposures, and physician well-being. Their work reflects a strong commitment to advancing the field.

But just as important as these achievements is the community we've built. Within our program, there's a strong culture of mutual support. This is evident in the way residents and faculty engage in teaching, collaborate on projects, and simply show up for one another. Whether through shared learning, professional development, or informal gatherings around the city, these connections are a key part of what makes this program so rewarding.

Resident wellness remains a central priority. This year, we continued to integrate practices that reflect the principles we study. We applied structured wellness activities like yoga and outdoor meetups, sharing practical strategies around nutrition and self-care, and using motivational interviewing techniques in our day-to-day interactions to support accountability and personal growth. These small but meaningful efforts have helped reinforce a culture where well-being is woven into our daily work.

Looking ahead, we're excited to deepen our interdisciplinary collaborations, including ongoing partnerships with MIT and the Veterans Affairs. We also aim to strengthen our work with organizations like the Massachusetts Department of Public Health and the Department of Industrial Accidents, and to expand opportunities for residents to engage in advocacy and policy development. We continue to benefit from the insight and experience of our faculty and alumni—many of whom have served in federal agencies such as the CDC and NIOSH and remain leaders in the field.

To prospective applicants: I encourage you to explore what makes this program distinct. Here, you'll find rigorous training, dedicated mentorship, and a collaborative culture that supports both your clinical development and personal growth. To our faculty, alumni, and staff—thank you for your continued support and investment in this community. To my co-residents: thank you for becoming my teachers, sounding board, and friends!

Warm regards,
Christopher Leopardi, DO, MPH

ALUMNI SPOTLIGHT:

Michael D. Lappi, DO, MPH, PhD, FACOEM, (OEMR 2006)
Chief Medical Officer, Corning Inc.



Since completing his training in Occupational and Environmental Medicine (OEM) in 2006, Dr. Michael Lappi has charted a distinguished and impactful career at the intersection of clinical medicine, corporate health leadership, and public service. His journey has taken him from direct patient care to executive leadership roles at major global companies. Throughout, he has remained committed to safeguarding health, promoting well-being, and leading with purpose.

Dr. Lappi currently serves as the Chief Medical Officer at Corning Incorporated. He leads the Health Services function under the guiding principles of “Save a Life, Protect Corning, and Promote Wellbeing.” In this role, he oversees the development and execution of global occupational and population health policies. He works to ensure that Corning’s workforce has access to high-quality healthcare and a strong culture of safety and productivity. The role integrates high-level strategy with operational execution, including clinical vendor coordination and global wellness initiative development.

Before joining Corning, Dr. Lappi served as a senior consultant with McKinsey & Company, Global Medical Director for GE Aviation and as Senior Physician for Procter & Gamble/Gillette. These roles deepened his expertise in integrating health systems across large, complex organizations. His background is further enriched by extensive humanitarian experience, including leading medical responses following Hurricane Katrina and the Haiti earthquake. His long-standing military service has also been a cornerstone of his professional life. As a U.S. Navy Medical Corps Captain with three decades of active and reserve duty, he currently serves as a Senior Undersea Medical Officer with an East Coast Operational Unit.

A typical day for Dr. Lappi now involves high-level engagement with cross-functional corporate teams, oversight of global clinical operations, and advising on the management of work-related injuries. Despite the demands of his executive role, he remains clinically active by continuing to see workers and staying current with developments in occupational and environmental medicine through professional forums and continuing education. He also contributes to broader industry leadership through his participation in the Medical Directors Forum of Fortune 200 companies, International

Corporate Health Leadership Council, International Occupational Medicine Society Collaborative, and the Chief Health Officers section of the World Economic Forum.

For Dr. Lappi, one of the most rewarding aspects of his work is the ability to shape health policy on a global scale. He says early on he found OEM gives you the platform to influence systems, not just individual outcomes. Whether he's advocating for safer work General - Corning (L4) environments or leading enterprise-wide wellness initiatives, he finds fulfillment in effecting meaningful change across large populations.

Dr. Lappi encourages current residents and those exploring a career in OEM to develop strong leadership skills, become a trusted subject matter expert, learn the fundamentals of business management, and embrace progressively more challenging roles. He emphasizes that the ability to communicate effectively, influence policy, and guide organizations is just as essential as clinical expertise. His career reflects the full spectrum of what occupational medicine can offer, encompassing everything from frontline response to corporate strategy, and serves as an inspiring model for future OEM leaders.

Recent Alumni and Resident Publications and Presentations:

Berger J. ACC's Lead Wing. FlightLines, The Society of United States Air Force FlightSurgeons. 2024; 37(1):5

Berger, JM, Goldman, RH. "Uncovering Myeloneuropathy and Anemia Linked to Copper Deficiency from Zinc-Heavy Dental Paste", 2024 New England College of Occupational and Environmental Medicine (NECOEM) Annual Conference, Westford, MA December 05, 2024.

Berger, JM, and Backus, ASN. To Your Health: Get active, stop smoking to protect your heart. Landings, Maine Lobstermen's Community Alliance, 2024 Nov; 32(11):18.

Berger, JM. “Improving public health messaging on heat stroke”. Harvard Public Health Magazine, Snapshot. November 19, 2024.

Berry, J. "Public Health Diseases: Update," Dana Farber Cancer Institute, Department of Occupational Medicine, Boston, MA, 1/15/2024

Berry, J. "Gillette Work Condition Program: Cleared and Ready for Work". Gillette Shaving Headquarters, Boston, MA, 1/18/2024

Berry, J. “Aeromedical Dysbarism” Invited Lecturer at the Graduate Aerospace Physiology Certification Course, Case Western Reserve University School of Medicine, Cleveland, OH, 2/7/2024

Berry, J. “Deployment Associated Aerospace Physiology and Challenges” Invited Lecturer at the Graduate Aerospace Physiology Certification Course, Case Western Reserve University School of Medicine, Cleveland, OH, 2/8/2024

Berry, J., and Winters TH. "Agent Specific Training: Vaccinia." Harvard Center for Comparative Medicine. Boston, MA, 2/8/2024

Berry, J. "Public Health Considerations in Immigrant and Refugee Worker Populations" Dana Farber Cancer Institute, Department of Occupational Medicine, Boston, MA, 2/25/2024

Berry, J. “Exertional Heat Stroke Occupational Impact and Recommendations" Epicore Biosystems Product Launch, Manhattan, NY, 4/18/2024

Berry, J. "Exertional Heat Stroke in the Military", The 32nd Annual Joint Safety and Environmental Professional Development Symposium (PDS), 4/25/2024

Berry, J. "STRATEGIC ALIGNMENT FOR HUMAN PERFORMANCE SUPPORT IN LONG DURATION SINGLE SEAT SORTIES ", Nineteenth Air Force Aircrew Human Performance Summit: Preparing for Great Power Competition Comprehensive Readiness for Aircrew Flying Training (CRAFT), Ft Sam Walton Beach, FL, 4/29/2024

Berry, J. "Exertional Heat Stroke in the Military", Nineteenth Air Force Aircrew Human Performance Summit: Preparing for Great Power Competition Comprehensive Readiness for Aircrew Flying Training (CRAFT), Ft Sam Walton Beach, FL, 5/2/2024

Berry, J. "Lessons Learned While Addressing Systems Factors with Explosive Decompression Sickness in the USAF, a Joint, International Experience". 2024 Cope Fighter Working Group, Chicago, IL, 5/3/2024

Berry, J. "Factors Associated with Pharmaceutical Fatigue Mitigation in the Air Force". 2024 Cope Fighter Working Group, Chicago, IL, 5/4/2024

Berry, J. , Poster Presentation 5/20/2024 : titled "Exertional Heat Stroke in the Military". American Occupational Health Conference (AOHC), Orlando, FL

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Hamm MS., Christiani DC. Silicosis and Mixed Pneumoconiosis. NIOSH ERC EOME, Harvard School of Public Health, 2/2/2024.

Hamm MS. Tetramethylammonium hydroxide Toxicity and Safety. Nanoscale Science and Engineering, Massachusetts Institute of Technology, presented at Emergency Response Seminar, 2/26/24

Hamm MS, Kales SN. Factors that influence the pipeline of OEM training programs, presented 5/20/2024 at the American Occupational Health Conference; also at HSPH Seminar in OEH Research 2/9/24. NIOSH research grant T42 OH008416.

Hamm MS, Mullinax RA. Report on the OEM Pipeline Presidential Task Force, presented at AOHC, Orlando, FL 5/20/2024.

Knoop C; Morrison D; and **Hamm S.** Managing Minds at Work: The Occupational Medicine Prescription. Medium., 1/28/2024.

Hamm S. and Backus A. Jan 2024. TO YOUR HEALTH: Insomnia. Landings. 2024 Jan; 32(1):20.

Hamm S., and Hamm, M. Laboratory Animal Allergies and Lab Associated Infections. Occupational and Environmental Medicine Colloquium Series, University of Connecticut, presented 3/6/2024.

Leopardi C. and Backus A. Mar 2024. TO YOUR HEALTH: “Stop the Bleed” – An efficient response to deadly bleeding. Landings.2024 March;32(3):21.

Wan M. and Backus A. TO YOUR HEALTH: Finding your balance with Meniere’s Disease. Landings.2024.

In Memoriam:

In 2024, the OEM family lost an outstanding contributor to the field and a valuable member of the Harvard Occupational Medicine community, Dr. Raymond “Ray” Leo Harrington Murphy, Jr. We honor Dr. Murphy here.

Dr. Raymond “Ray” Leo Harrington Murphy, Jr, of Chestnut Hill and Wareham, MA passed away on February 26th, 2024, at the age of 91 at the Parlin Hospice in Wayland, MA. Ray served as Assistant Clinical Professor of Occupational Medicine at the Harvard School of Public Health and Associate Clinical Professor at Tufts University School of Medicine. Ray was a pulmonologist who came to the Harvard Chan School to complete his ScD degree, with a thesis that focused on asbestosis, and he helped to usher in stricter workplace exposure limits to the deadly dust. He was a teacher and researcher at the Harvard Chan School and at the Faulkner Hospital for many years. Recognizing the potential for technology to transform the analysis of lung sounds, Ray, along with the International Lung Sounds Association (ILSA), brought engineers and medical experts together to accelerate the progress in the study of lung sounds. We are thankful for his contributions, and we celebrate his long life and career.

This obituary was written by Dr. David Christiani, Elkan Blout Professor of Environmental Genetics, in remembrance of a remarkable colleague.

OUTSTANDING CLINICAL AND ACADEMIC TEACHING AWARDS:

Each year, OEMR residents select one clinical preceptor from their rotations and one faculty instructor from their master's in public health courses who has had a particularly meaningful impact on their training and education to receive awards of recognition. In 2024, residents also honored the OEMR Program Coordinator for her exceptional support to the residents. Thank you all so much for your support of the program and the personal attention you give to the education of our residents!



Dr. Thomas Winter received the 2024 Outstanding Clinical Faculty Award.



Dr. Kevan Lutchman received the Outstanding Academic Faculty Award



Annie Rodriguez received the Outstanding Support Award

2024 AOHC/ACOEM ANNUAL CONFERENCE:

The 2024 American Occupational Health Conference (AOHC/ACOEM) took place from May 19-22, 2024, in Orlando, Florida. OEM residents and faculty attended and participated in the Residency Fair to promote and recruit for the program. Several of our residents received scholarship awards to attend the conference. We appreciate AOHC/ACOEM for their support!

2024 NECOEM ANNUAL CONFERENCE:

The 2024 New England College of Environmental and Occupational Medicine (NECOEM) conference was held on December 5-6, 2024, at the Westford Regency Inn and Conference Center in Westford, MA. The following were resident contributions.

Erika Anderson, MD – “Association Between Diffusing Capacity and Small Airway Abnormalities and Symptoms in Deployed US Military Veterans”

Jeremy Berger, DO - “Uncovering Myeloneuropathy and Anemia Linked to Copper Deficiency from Zinc-Heavy Dental Paste”

Kangwook Huh, DO, MPH – “Predictive Factors for Treatment Success in Patients with Chronic MSK Pain in Multidisciplinary Pain Program”

Christopher Leopardi, DO, MPH – “Asthma and Small Airway Dysfunction in Post-Deployment Veterans”

K. Ray Motoyama, DO, MPH – “Implementing Brief Guided Wellness Videos during Virtual Meeting and Its Impact on Burnout and Stress Scores among Healthcare Professionals: A Pilot Study”

Saad Salman, MD, MPH – “Assessing the Healthcare Needs of Manual Laborers in Islamabad, Pakistan”

DONOR RECOGNITION:

This list reflects donations to the HSPH OEMR Program for the 2024 Fiscal Year.

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Help maintain our tradition of excellence by donating to resident education at OEMR! Donating is easy; you can donate online here. Please note that your gift is intended for the HPSH OEMR Program. Alternatively, you can complete the following section and enclose it with your payment. Please contact Mr. John Yong at jyong@hsph.harvard.edu or 617-432-2219 for assistance.

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We want to hear from you!
Did you relocate or accept a new position? Have you been promoted? Do you have family or other news to share? Let OEMR and your colleagues know what you are up to and stay connected by emailing: crodriguez@hsph.harvard.edu.