

W WESTERN MICHIGAN UNIVERSITY
— Homer Stryker M.D. —
SCHOOL OF MEDICINE

MED.WMICH.EDU





Our mission is

to educate and inspire lifelong learners to be exceptional clinicians, leaders, educators, advocates, and researchers of tomorrow.

EXCELLENCE IN GRADUATE MEDICAL EDUCATION

Congratulations! You have made the choice to go into one of the most rewarding professions available and have already committed yourself to many years of education. Your residency program will be the final step of a long trek to the start of yet another journey, your professional career in your chosen field of practice.

At Western Michigan University Homer Stryker M.D. School of Medicine (WMed), we take seriously the responsibility of preparing the best physicians for their future. WMed is a collaboration involving Western Michigan University and Kalamazoo's two teaching hospitals, Borgess Health and Bronson Healthcare. Western Michigan University ranks as one of the top 100 public universities in the US and our two teaching hospitals are recognized nationally for innovation and quality. They have provided undergraduate and graduate medical education in Kalamazoo for more than 40 years. WMed offers the full continuum of undergraduate, graduate and continuing medical education in southwest Michigan. We are a private medical school supported by private gifts, clinical revenue, research activity, student tuition, and endowment income.

With our affiliation with the area's two tertiary care hospitals, Borgess Medical Center and Bronson Methodist Hospital, you will be exposed to the highest quality of patient care with a broad range of patient population. You will have the opportunity to learn from more than 90 employed faculty as well as from volunteer community faculty, many of them alumni, who share their practice perspectives and clinical expertise with you. As you learn from these exceptional faculty members, you will also have the opportunity to teach our medical students as well as visiting medical students.

Because we recognize a well-rounded physician is created by encouraging a balance between the rigors of study and personal time, we stress the importance of reasonable work schedules to allow you to achieve this balance.

You will have a wonderful internal community within your residency program at WMed but will also have the benefit of living in a diverse, cultural community within the Kalamazoo area. A reasonable cost of living may be why almost half of our residents own their own homes. Those with children will tell you about the area's top-notch schools. You will have a wide range of outdoor and indoor activities year-round, from the Lake Michigan shores, to Broadway shows, from top-name concert performers to water and snow skiing.

Become a member of WMed's proven partnership: education combined with community patient experience; intellectual challenge with quality of life; a wide range of pathology in a community you will enjoy calling home.





Our vision is

to be distinguished as a leader among medical schools through community collaboration in medical education, patient care, research, and service.

At Western Michigan University Homer Stryker M.D. School of Medicine (WMed), you will have the opportunity to teach medical students and receive an appointment as a clinical instructor. You will learn in two hospital settings nationally recognized for exceptional quality of care. In past years, Borgess Health and Bronson Healthcare have received no less than 100 awards and recognition for quality initiatives, including the Malcolm Baldrige National Quality Award, American Stroke Association Primary Stroke Center designation, and the American Hospital Association McKesson Quest for Quality Prize. The proven commitment to quality standards translates into a level of residency training experience that rivals major university medical centers while providing the advantage of a community-based patient population.

WMed extends the opportunity to serve the community's patient population in both the hospital setting as well as through outpatient care. Our state-of-the-art ambulatory care teaching center sees more than 61,000 annual visits in its numerous clinics and offers a full range of on-site ancillary services. We also see patients as part of the Kalamazoo Family Health Center, a federally qualified health center that serves an underserved patient population of more than 70,000 in Kalamazoo County.

Our residents are encouraged to participate in many research opportunities. In recent years, our Research Day has featured speakers recognized by the Institute of Medicine (IOM) and each year brings increased participation in our oral and poster presentations. We believe research establishes a foundation for quality care and enables us to share medical information that helps transform the lives of many.



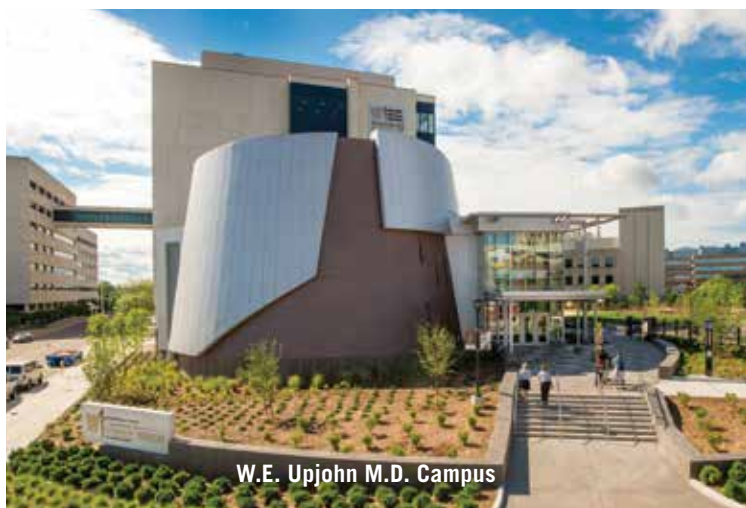
Current WMed residents are from:

Andhra Medical College
B.J. Medical College
Brody School of Medicine – East Carolina University
Des Moines University
Drexel University College of Medicine
East Tennessee State University
Indiana University
Jawaharlal Institute of Post-Graduate Medicine & Research
JSS Medical College
Kansas City University of Medicine & Biosciences
King Edward Medical College
Kirksville College of Osteopathic Medicine
Lake Erie College of Osteopathic Medicine
Loma Linda University
Loyola University – Chicago
Medical College of Baroda
Medical College of Wisconsin
Medical University of Ohio
Michigan State University
New York University School of Medicine
Northeastern Ohio University
Pramukhswami Medical College
The Ohio State University
Rosalind Franklin University of Medicine & Science
Ross University
Rush Medical College
Saba University
Saint Louis University School of medicine
Sindh Medical University
Southern Illinois University
State of New York School of Medicine
St. George's University
University of Arizona
University of Cincinnati College of Medicine
University of Ghana
University of Hawaii
University of Illinois
University of Illinois, Rockford
University of Michigan
University of Minnesota
University of Nebraska
University of New England
University of North Dakota
University of North Texas Health Science Center
University of Sint Eustatius
University of South Dakota
University of Toledo
University of Utah
University of Washington
University of Wisconsin
Wayne State University

WMed currently has over 200 residents, representing 40+ medical schools from all geographic regions of the United States.

We offer residency programs in Emergency Medicine, Family Medicine, General Surgery, Internal Medicine, Medicine-Pediatrics, Orthopaedic Surgery, Pediatrics, and Psychiatry. WMed has a primary care sports medicine fellowship and a new EMS/disaster medicine fellowship program. Opportunities for specialized training include an international health elective.

After completing their residency requirements, our residents feel fully prepared for the next step in their professional career, whether that be private practice, hospital positions, or fellowships of their choice. Some of our recent graduates are completing fellowships at M.D. Anderson Cancer Center, Harvard Medical School, the University of Connecticut, and Washington University, to name a few.



W.E. Upjohn M.D. Campus

SELECTED PARTNER HOSPITAL ANNUAL STATS

- 802 beds
- 10 Intensive Care Units (Medical CCUs, Medical ICUs, Pediatric ICU, Neonatology ICU, Burn Unit, Trauma Unit, Neuro ICU, Cardiac Surgery ICU, Surgical ICU)
- 40,948 admissions
- 30,778 surgical procedures
- 4,834 deliveries
- 164,596 ER visits



WESTERN MICHIGAN UNIVERSITY
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Our Values

We achieve excellence by:

- Promoting innovation and lifelong learning
- Acting with integrity and professionalism
- Demonstrating leadership, teamwork, and collaboration





In serving a patient population of more than one million people, cases you will witness range from agricultural accidents in rural areas to trauma and diseases typical of an urban setting. Patients represent a vast range of demographics. Because of our size and location, we provide care for the underserved and see a large percentage of Medicaid patients on a regular basis. Our subspecialty clinics provide a wide range of specialized care typically found only in large metropolitan areas.

With more than 40,000 annual inpatient admissions and 164,000 emergency department visits to Borgess Medical Center and Bronson Methodist Hospital, both trauma centers, your training will be comprehensive. The facilities are less than 10 minutes from each other, and both are less than 10 minutes from WMed's Oakland Drive campus. This proximity enables WMed to provide a continuity clinic, allowing you to develop a patient rapport and gain practical ambulatory care experience.

You will also gain comprehensive experience from practicing in the sophisticated hospitals; both are nationally recognized in many areas such as cardiac and stroke care, as well as specialized pediatric services.

In addition to cooperating in graduate medical education, the hospitals have formed other joint ventures that you can be a part of—West Michigan Air Care, a regional air care transport program, and the West Michigan Cancer Center.



- Showing compassion for all
- Valuing inclusiveness and diversity



EMERGENCY MEDICINE

Three-year program; 20 residents per year

- More than 52 well-qualified emergency medicine faculty
- More than 164,000 patients in our two busy Emergency Departments each year
- Active EMS, helicopter and research programs, including a EMS fellowship program
- Simulation training using some of the latest fully interactive, computer-controlled simulation manikins available, with basic and advanced CPR to high-risk, low-frequency emergency events for both adult and pediatric scenarios plus a high-fidelity ultrasound simulator and obstetrical simulator

FAMILY MEDICINE

Three-year program; 8 residents per year

- Serving a diverse, underserved patient population at a Federally Qualified Health Center
- Residents trained in office surgical procedures
- Opportunities in rural medicine
- Osteopathic Manipulative Medicine
- Primary care sports medicine fellowship is available
- Supportive environment with fellowship-trained, well-rounded faculty

GENERAL SURGERY

Five-year program; 3 residents per year

- Program designed for education, leading to American Board of Surgery eligibility
- All general and subspecialty rotations are in two large tertiary care hospitals
- Outpatient activities are in a facility planned for education with a media room for teleconferencing
- Along with our full-time faculty, you will benefit from excellent working relationships with more than 40 general and specialty surgeons in the community.

INTERNAL MEDICINE

Three-year program; 10 residents per year

- More than 40 percent of curriculum takes place in the outpatient setting
- At least two didactic conferences each day conducted by university-appointed faculty

- Monthly Osteopathic Manipulative Medicine conferences with hands-on experience for osteopathic residents
- Variety of challenging learning environments—from clinic to ICU
- Unique ambulatory block rotation each training year

COMBINED MEDICINE-PEDIATRICS

Four-year program; 4 residents per year

- Outpatient-based curriculum with significant training in the continuity clinic setting
- Established Med-Peds continuity clinic staffed by dual-boarded preceptors
- Didactic curriculum designed for unique perspective of combined specialties
- Challenging intensive care experiences
- International Health Elective

ORTHOPAEDIC SURGERY

Five-year program; 3 residents per year

- A wealth of pediatric and adult orthopaedic experience, both general and specialty cases
- Full clinical and basic science teaching with research opportunities in both
- Four full-time employed and more than 25 volunteer faculty
- Our residents have a 100 percent board passage rate

PEDIATRICS

Three-year program; 8 residents per year

- Designated Children's Hospital
- Full range of subspecialty rotations
- Easily accessible full-time employed faculty committed to teaching
- Flexible curriculum to support personal ambitions while fulfilling ACGME Pediatric RRC requirements

PSYCHIATRY

Four-year program; 4 residents per year

- Combines academic orientation with a program size permitting much individual attention to residents' needs and interests
- Clinically oriented residency offers strong foundation in psychotherapy and neurosciences
- Program tailored to the recent changes in psychiatric healthcare
- Educational priorities are paramount

Our WMed Clinics

Family Medicine
Infectious Disease
Internal Medicine
Medicine-Pediatrics
Orthopaedics
Pediatrics
Psychiatry
Surgery

Specialty Clinics at WMed

Internal Medicine
Acupuncture
Back and Neck Pain
Endocrinology
Infectious Disease
Osteopathic Manipulative Medicine
Pediatric Orthopaedics
Adult Fracture
Pediatrics
Scoliosis
Pediatric Scoliosis
Shoulder and Elbow Reconstruction
Spine
Sports Medicine
Behavioral Medicine
Eating Disorders
Endocrinology
Multiple Disabilities
Myelodysplasia
Oral Cleft
Pulmonology
Rheumatology
Pediatric Endocrinology
Pediatric Pulmonology
Pediatric Rheumatology



Enhancing the Educational Experience

RESEARCH

Research education for residents and students is an integral component of a high-quality educational experience at WMed. The clinical research department goal is to help develop outstanding research, accomplished by involving students, residents and faculty in research activities, clinical trials, education on the research process, and mentoring programs.

Each year, more and more of our faculty, residents, students and staff participate with our Research Committee and our Clinical Research Scholar Leaders program. Over a 10-year period, research publications jumped nearly 400 percent and continue to increase.

Presentation opportunities in public forums of peers and health professionals from the community are also offered, including an annual Research Day in the spring. Research-oriented scholarly activities are encouraged to foster the most updated and effective medical education opportunities for students, residents, and faculty, which greatly contribute to the enhancement of care for our patient population.

INTERNATIONAL HEALTH ROTATION

Residents at the PGY-II level or higher are eligible to participate in an international health rotation in a developing country. The elective focuses on poverty-related and tropical diseases and offers residents a rare opportunity to experience medical care in a cross-cultural environment.

Participating residents will treat patients without the benefits of modern-day technology or facilities and learn to rely solely on their medical knowledge and physical exam skills. Not only do residents gain experience by working with the local physicians, they share their experience with the latest in medical knowledge and procedural techniques with the local physicians.

Residents who have participated in this elective say that the experience has given them a new appreciation and awareness of the cultural diversity and poverty-related health issues in their own clinic practices.

TECHNOLOGY

Medical technology advances at a rapid rate. As a resident at WMed, you will have access to a wide range of state-of-the-art tools to help you learn and develop clinical skills. Residents who have chosen to train here indicate one reason they chose WMed was the widespread adoption of advanced medical and health information technologies such as the Simulation Center, digital radiography systems and the EMR systems at WMed's outpatient clinics and teaching hospitals. These residents know that learning to use these new technologies effectively will not only make them better practitioners, it will also provide them with a competitive advantage as they seek prestigious fellowships and challenging positions in their chosen specialties.

WMed offers a 24,382 square foot state-of-the-art Simulation Center with a virtual hospital and virtual clinic, as well as procedure rooms for clinical skills training.

The Center incorporates five types of simulation training, including:

- Standardized patients and teaching associates
- Human patient simulation
- Virtual reality
- Task trainers
- Computerized simulation

In a simulated situation, learners master skills without putting patients at risk. Simulation offers many advantages, including:

- Experience with uncommon scenarios
- Practice with crisis resource management procedures
- Consistent, reproducible scenarios for standardized training
- Error-forgiving clinical experience that enhances patient safety
- Supervised instruction in life-threatening events management

The virtual hospital includes a three-bed trauma and emergency room, an operating room, a labor and delivery unit, two intensive care units, one pediatric unit, and two hospital inpatient units. The virtual hospital has a high-tech communications control room with the ability to record simulation training for playback and review—providing immediate feedback on training activities in three debriefing rooms.

The virtual clinic includes 12 exam rooms and a dedicated communications control room. The space is used for training with standardized patients.

WMed has two industrial-style trailers outfitted as mobile labs that fully support simulation exercises—among the few mobile medical simulation units in the nation.

Patient Simulation Scenarios

High fidelity adult and infant patient simulators are used to create realistic patient scenarios clinicians may encounter in their practice. Sessions are generally conducted in small groups with a faculty instructor observing and leading the debriefing following the encounter. Working individually, collaboratively, or as part of a team, participants learn to assess problems quickly and develop and act on management plans. This type of environment allows for an intimate learning experience.

In addition to dozens of full-sized, passive manikins and various partial task trainers, the Simulation Center contains some of the latest computer-controlled, high fidelity, simulation manikins available, including:

- Adult Simulators (SimMan® 3G)
- Child Simulator (Pediatric HAL®, SimJunior®)
- Infant Simulators (SimBaby®)
- Neonatal Simulator (SimNew B®)
- Maternal Simulator (NOELLE™ Birthing Simulator)
- Ultrasound Training Simulator (UltraSim® and SonoSim®)



Procedural Skills

Programs for procedural skills include the use of task trainers for knee aspiration, femoral line placement, full catheterization, advanced surgical procedures, including cricothyroidotomy, chest tube insertion, pericardiocentesis, diagnostic peritoneal lavage, and intravenous cut-down, and ultrasound guided central line insertion, to name a few. Medical students, residents, fellows, nurses and physicians all benefit from the use of these devices. The programs may be directed toward the novice learner or may be used for assessment and competency of skills.

Virtual Reality Trainers

The use of virtual reality systems allows the learner to practice individual skills while receiving haptic feedback from the device. The device tracks the performance of the learner and at the conclusion of the session immediate feedback is provided. The trainers record the individual's progress of the skill as they complete additional levels of complexity. These devices are valuable tools for assessing an individual's progress and competency level.

- **Virtual Reality Laparoscopic Simulation Trainers** – provides learners with stepwise increases in task complexity. These tasks, which start out with rudimentary steps, are the building blocks of more complex surgical procedures which, when mastered and organized, allow users to manipulate laparoscopic equipment with more expertise and confidence.
- **Immersion Endoscopy Trainer** – takes the user through flexible sigmoidoscopy, colonoscopy with biopsy, bronchoscopy, EGD and ERCP.
- **Fundamentals of Laparoscopic Surgery (FLS) Trainer Box** – allows the user to complete six laparoscopy-associated tasks in the simulation environment.

Medical Library

WMed offers extensive web-based resources for educational and administrative purposes. The medical school Library is an all-digital biomedical library that provides an information resource collection that is entirely electronic and is available anywhere, anytime, and on any device. The Library is the primary source for biomedical information for WMed and provides customized access to electronic resources that directly supports medical education, clinical care, research and service. Residents and faculty have access to over 10,000 full-text peer-reviewed biomedical and life sciences journals, clinical-orientated e-textbooks and core biomedical databases and decision-making point of care applications. The Library provides electronic access to a number of major biomedical databases including AccessMedicine, ClinicalKey, PsychiatryOnline, PsycINFO, Procedures Consult, PubMed/MEDLINE, Scopus and UpToDate. A full list of the library's electronic resources is located at med.wmich.edu/library. A customized WMed PubMed search interface allows residents and faculty to connect to full-text articles, when available, in the PubMed abstract view. The library offers Interlibrary Loan service for articles from journals not readily available online.

The Library is staffed by professionally-trained medical librarians, with masters in library and information science. The librarians are available to assist you in searching the medical literature, preparing for clinical rounds, finding evidence-based clinical care information, teaching citation management programs, preparing manuscripts or IRB proposals, and to participate on institutional projects. Librarians are accessible to residents and faculty during normal business hours through virtual chat, electronic mail, by telephone or appointment.





A Sense of Community

At WMed, you will find a commitment to Kalamazoo and southwest Michigan in the many activities our faculty, residents, and staff support.

It's not just about improving the health of our patient,
but improving the community where we live as well.

WMed Cares About the Community It Serves

“Pink Saturdays” is a dynamic initiative offering free mammograms to uninsured or underinsured women in eight southwest Michigan counties during the month of October. The West Michigan Cancer Center and the southwest Michigan affiliate of the Susan G. Komen for the Cure partner with community healthcare providers, including WMed, the Kalamazoo County Health and Community Services Breast and Cervical Cancer Control Program, and our local hospitals to provide mammograms to hundreds of women during Breast Cancer Awareness Month. WMed faculty, residents, and nursing staff participate in providing surgical and follow-up care in both our General Surgery and Internal Medicine clinics. WMed has also been recognized for its immunization efforts—our Family Medicine, Pediatrics, and Medicine-Pediatrics clinics were awarded the Michigan Care Improvement Registry (MCIR) Private Provider Site of Excellence Award and the Flu Vaccination Challenge Gold Award from The Joint Commission.

Outside their roles in education and patient care, you will find many members of our faculty, residents, medical students, and staff participating in activities that better our community. Past service projects have included:

- Girls on the Run
- Events such as the Susan G. Komen Race for the Cure, the American Cancer Society's Making Strides Against Breast Cancer, and Kick-It for Children's Cancer
- Preparing and serving meals at local shelters, and food drives for local food pantries
- Fundraising projects for the Hospital Hospitality House of Southwest Michigan
- The annual Toy Drive and Thanksgiving food baskets for the Salvation Army

MedMates

MedMates is an important part of the WMed residency experience. This group of resident spouses and significant others functions as a support system for one another as they all experience the residency training lifestyle. Members of this group work to create a sense of community, as most resident families are new to the Kalamazoo area. From where to shop and dine, information on local schools and daycare providers, even where to get a good haircut, the members of MedMates can provide helpful tips to new resident families. The MedMates organize several activities throughout the year, including events for families and for adults. They also volunteer in the Kalamazoo community and participate in a Day of Caring project each year as part of WMed's support of the United Way of the Battle Creek and Kalamazoo Region.

From welcoming new residents and their significant others with a casual reception during resident orientation to organizing playgroups and movie nights, the MedMates play an important role in the lives of resident families who are not only starting new training programs but also relocating to a new city.





KALAMAZOO... A GREAT PLACE TO LIVE AND WORK

Located halfway between Chicago and Detroit and just 35 miles from Lake Michigan, Kalamazoo is an important destination for business, education, and cultural events. Kalamazoo provides all the amenities of a big city only minutes away from the peace and tranquility of the countryside. The maximum commute time anywhere in the city is 20 minutes—no need to fight the traffic related to big-city driving. Kalamazoo was recognized in *FORBES* magazine as one of The 10 Best Cities For Work-Life Balance.

Kalamazoo has a rich cultural history and you will enjoy the finest in the visual and performing arts, such as the Kalamazoo Institute of Arts and the Kalamazoo Symphony Orchestra. World-renowned talent more your style? How about top-name musical performers, a Broadway show, or the internationally acclaimed Gilmore Keyboard Festival? If you enjoy sports, Kalamazoo offers tremendous opportunities to attend Division I college football, basketball, and volleyball—not to mention our professional hockey team, the Kalamazoo Wings. The USTA Boys 18 and 16 National Championships are held at Kalamazoo College, where many of our residents have the opportunity to serve as courtside physicians. Recreational opportunities abound with clubs for rugby, skiing, skating, fencing, soccer, bicycling, and snowmobiling. Kalamazoo is indeed a year-round outdoor opportunity for fun!

Kalamazoo County also offers one of the country's largest nature centers, 83 public-access lakes, 64 public parks, two ski resorts, 60 public tennis courts, and 16 golf courses.

Wondering about education in Kalamazoo? We received nationwide attention for the Kalamazoo Promise, a program that provides each Kalamazoo Public School graduate with the opportunity to attend post-secondary education with up to a 100 percent tuition scholarship. We have nine public school districts, as well as excellent private and parochial schools for children in grades K-12. Higher education opportunities exist in Kalamazoo and the surrounding area. Kalamazoo College is an elite four-year private liberal arts and sciences college near downtown. Western Michigan University is a four-year public university with a full range of programs. Kalamazoo Valley Community College provides opportunities to enhance existing graduate degrees or to complete those already in progress.

Kalamazoo has a growing and thriving business community. International corporations such as Stryker employ thousands of Kalamazoo residents. With our state-granted status as a "Smart Zone," Kalamazoo is known as a region with many high-tech capabilities.





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Downtown Kalamazoo

Enjoy art fairs, summer concerts, and festivals along with an exciting mix of restaurants, cafes, and clubs in the vibrant downtown area of Kalamazoo.

NOTICE OF NONDISCRIMINATION

Western Michigan University School of Medicine, as an Equal Employment Opportunity employer, complies with all applicable federal and state laws regarding nondiscrimination with respect to students, faculty and employees in the administration and operation of its policies and programs, activities, facilities, financial aid (loans and scholarships) and admissions. The medical school is committed to equal opportunity for all persons. All actions and decisions with respect to students, faculty and employees made by WMU School of Medicine are on the basis of individual merit, qualifications, experiences, attributes, talent, abilities, skills, background, life experiences and other relevant criteria and without discrimination on the basis of race, ethnicity/national origin, creed, color, religion, gender, pregnancy, sexual orientation, gender identity, age, disability, veteran status, genetic or family medical information, height, weight, marital status, familial status, or any other status protected by applicable law or local ordinance.

Inquiries or complaints may be addressed to the Associate Dean for Administration and Finance, 1000 Oakland Drive, Kalamazoo, MI 49008, 269.337.4415.



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