



School of Medicine

WESTERN MICHIGAN
UNIVERSITY

committed to excellence

EXCELLENCE IN GRADUATE MEDICAL EDUCATION



School of Medicine
WESTERN MICHIGAN
UNIVERSITY

OUR MISSION

To advance the health of humanity through excellence in medical education, clinical care, research, and service. These pursuits are interdependent and together assure optimal care for today and hope for tomorrow.

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 steps of a long trek to the start of yet another journey, your professional career in your chosen field of practice.

At the Western Michigan University School of Medicine (WMed), we take seriously the responsibility of preparing the best physicians for their future. We listen to our residents, our patients and our staff and believe we have created training that represents the best of both worlds within our university/community-based programs. With our affiliation with our 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 70 full-time and part-time faculty as well as from more than 500 volunteer community faculty, many of them alumni, who share their private practice perspectives and clinical expertise with you. As you learn from these exceptional faculty members, you will also have the opportunity to teach the MSU College of Human Medicine's undergraduate students studying here.

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

You will have a wonderful internal "community" within your program at WMed but will also have the benefits 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: university-based 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.







THE BEST OF BOTH WORLDS

OUR VISION

The School of Medicine is distinguished as *learner centered, discovery driven, globally engaged, and patient and family focused.*

WMED IS A UNIQUE UNIVERSITY-COMMUNITY INTEGRATED PROGRAM.



Borgess Medical Center



Bronson Methodist Hospital

At the Western Michigan University School of Medicine (WMed), you will have the opportunity to teach medical students and receive clinical instructor status. In addition, Michigan State University College of Osteopathic Medicine sponsors our osteopathic traditional internship and our Family Medicine and Internal Medicine residency programs. WMed is a partnership of Western Michigan University, Borgess Health, and Bronson Healthcare. You will learn in two hospital settings nationally recognized for exceptional quality of care. In the last few years, Borgess and Bronson have received no less than 100 awards and recognition for quality initiatives, including the Malcolm Baldrige National Quality Award, Magnet Hospital for Nursing Excellence 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 68,000 annual visits in its numerous clinics open to the public and offers a full range of on-site ancillary services.

Our residents are encouraged to participate in many research opportunities. In recent years, our Research Day has featured a Nobel Prize-winning speaker and each year brings increased participation in our oral and poster presentations. Our research activity increases each year; we believe research establishes a foundation for quality care and enables us to share medical information that helps transform the lives of many.



The WMed Oakland Drive campus



The WMed W.E. Upjohn Campus, scheduled to open Summer 2014

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, Psychiatry and Transitional Year. In addition to these programs, we also offer an Osteopathic Traditional Internship and dually accredited AOA/ACGME Family Medicine and Internal Medicine residencies. WMed has opportunities for specialized training in Adolescent Medicine, Behavioral Developmental Pediatrics, Women's Health Track, Sports Medicine and Geriatrics.

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 Center, the University of Connecticut, and Washington University, to name a few.



COMPASSIONATE SERVICE

Effectively meeting the health needs of our patients
and participating in a community-wide effort to meet
the health needs of the community

Current residents are from:

Brody School of Medicine—East Carolina University
Des Moines University
East Tennessee State University
Indiana University
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 Wisconsin
Medical University of Ohio
Michigan State University
Northeastern Ohio University
Ohio State University
Ohio University
Oregon Health Science University
Rosalind Franklyn University of Medicine & Science
Ross University
Rush Medical College
Saba University
Saint Louis University School of Medicine
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 Hawaii
University of Illinois
University of Illinois, Rockford
University of Michigan
University of Minnesota
University of Nebraska
University of New England
University of New York School of Medicine
University of North Dakota
University of North Texas Health Science Center
University of Sint Eustatius
University of South Dakota
University of Texas, Galveston
University of Utah
University of Washington
University of Wisconsin
Wayne State University



COMMITMENT TO EXCELLENCE

Pursuing the highest level of performance through evidence-informed medical practice quality standards

AS A PRIMARY/TERTIARY CENTER, KALAMAZOO IS THE REFERRAL SITE FOR SOUTHWEST MICHIGAN.



SELECTED ANNUAL STATS

- 816 beds
- 10 Intensive Care Units (Medical CCUs, Medical ICUs, Pediatric ICU, Neonatology ICU, Burn Unit, Trauma Unit, Neuro ICU, Cardiac Surgery ICU, Surgical ICU)
- 40,000 admissions
- 31,990 surgical procedures
- 4,627 deliveries
- 950 open heart surgeries
- 158,623 ER visits

In serving this 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. In drawing from a community population, patients represent a vast range of demographics. Because of our size and location as well as our mission, 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 40,000 annual inpatient admissions and 158,000+ 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. At this regional oncology center, renowned specialists in this field will show you the importance of patient-centered care.



Our residents enjoy one-on-one interaction with faculty members.



Our outpatient clinics provide residents with a wide range of patients and pathology.

Our Clinics

- Family Medicine
- General Surgery
- Infectious Disease
- Internal Medicine
- Medicine-Pediatrics
- Orthopaedic Surgery
- Pediatrics
- Psychiatry

Specialty Clinics at WMed

Internal Medicine

- Back and Neck Pain
- Dermatology
- Endocrinology
- Gynecology
- Nephrology

Orthopaedic Surgery

- Adult Fracture
- Myelomeningocele
- Pediatric Myelomeningocele
- Pediatrics
- Scoliosis
- Pediatric Scoliosis
- Shoulder and Elbow Reconstruction
- Spine
- Sports Medicine

Pediatrics

- Adolescent Medicine
- Behavioral Medicine
- Eating Disorders
- Endocrinology
- Multiple Disabilities
- Myelodysphasia
- Oral Cleft
- Pulmonology
- Rheumatology

DIVERSITY

Understanding, respecting, and accepting our culture and the culture of others

LEADERSHIP

Inspiring each other through a commitment to accountability, courage, open communication, and trust



LIFELONG LEARNING

Promoting continued personal and professional development for all



FAMILY MEDICINE

Three-year program; 8 residents per year

- Dually accredited AOA and ACGME program
- Residents trained in office surgical procedures
- Some opportunities exist to complete required rotations in rural locations
- Special emphasis track in sports medicine is available
- Supportive environment with fellowship-trained, well-rounded faculty
- Full Electronic Medical Record usage

INTERNAL MEDICINE

Three-year program; 10 residents per year

- Dually accredited AOA and ACGME program
- More than 40 percent of curriculum takes place in the outpatient setting
- At least two didactic conferences each day conducted by university-appointed faculty
- Bi-monthly and quarterly osteopathic manipulative medicine (OMM) conferences and hands-on experience for osteopathic residents
- Variety of challenging learning environments—from clinic to ICU
- Unique ambulatory block rotation each training year
- Women's Health Track

PEDIATRICS

Three-year program; 8 residents per year

- Designated Children's Hospital
- 21 subspecialty rotations plus a tropical medicine rotation
- Easily accessible full-time faculty committed to teaching
- Flexible curriculum to support personal ambitions while fulfilling ACGME Pediatric RRC requirements
- Hospitalist track available for qualified residents

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

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 health care
- Educational priorities are paramount

GENERAL SURGERY

Five-year program; 2 residents per year

- Five-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 new 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.

ORTHOPAEDIC SURGERY

Five-year program; 3 residents per year

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

EMERGENCY MEDICINE

Three-year program; 20 residents per year

- Fully accredited PGY-III residency program accepting 20 residents per year
- Large, well-qualified emergency medicine faculty (52 strong)
- More than 158,000 patients in our two busy emergency departments each year
- Active EMS, helicopter and research programs
- Simulation Training Lab:
 - Simulation training using some of the latest fully interactive, computer-controlled simulation manikins available
 - Basic and advanced CPR to high-risk, low-frequency emergency events for both adult and pediatric scenarios
 - High-fidelity ultrasound simulator and obstetrical simulator

OSTEOPATHIC TRADITIONAL INTERNSHIP

- Program completion meets AOA requirements
- Flexible schedules to meet the needs of future residency plans
- OMM conferences and hands-on experience
- Selectives/Electives— Rotations available in virtually all specialties and subspecialties

TRANSITIONAL YEAR

- Flexible curriculum to meet a variety of needs and interests
- Rotations available in virtually all specialties and subspecialties
- Residents choose up to five electives to tailor their curriculum
- Numerous conferences, teaching rounds and other didactic sessions offered daily



ENHANCING THE EDUCATIONAL EXPERIENCE

TEAMWORK

Attaining the organization's goals by working effectively together

WMED PROVIDES THE TOOLS TO CREATE A STRONG ENVIRONMENT FOR LEARNING.



Research

Research education for residents and students is an integral component of a high-quality educational experience at WMed. The Research Department's 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. WMed sponsors the Summer Research Fellowship Studies Program, which offers to local college students the opportunity to begin their experience and knowledge of research in a well-structured medical academic environment.

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 April. 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 Medicine Rotation

Residents at the PGY-II level or higher are eligible to participate in a developing country/tropical medicine elective. 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 and 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. Since 2005, the physicians, residents, nurses, and support staff in our six clinics have used an electronic medical record (EMR) system to record, store and access all patient information. We also utilize a PACS Digital Imaging System.

WMed offers extensive web-based resources for educational and administrative purposes. The WMed Intranet provides access for residents and faculty to a wide array of electronic journals, reference materials, and textbooks, including the UIC General Competency Modules, UpToDate, ePocrates and more. Call schedules, conference and rotation schedules, Grand Rounds presentations, and residency program requirements and forms are easily available for residents from either work or home at any time by signing onto the Intranet. WMed provides a dedicated computer lab and study area for residents and students and our hospital partners have similar facilities available as well.

Residents who have chosen to train here indicate one reason they chose WMed was the pervasive adoption of advanced medical and health information technologies such as the simulation lab, digital radiography systems and the EMR. 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.

The Human Simulation Learning Center includes a simulation lab and high-tech communications and control room with the ability to record simulation training for playback and review in the adjacent media room—providing immediate feedback on training activities. In addition to at least a dozen full-sized, passive manikins and various partial task trainers, the center contains some of the latest computer-controlled, high fidelity, simulation manikins available, including:

- Adult Simulators (SimMan®)
- Child Simulator (Pediatric HAL®)
- Infant Simulators (SimBaby®)
- Neonatal Simulator (SimNew B®)
- Maternal Simulator (NOELLE™)
- Ultrasound Training Simulator (UltraSim®)

In case the center gets too crowded or an off-site training event is planned, 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.

Advanced Bioskills Lab

The Bioskills lab allows surgical residents to learn and refine surgical skills outside of the live patient setting and documents achievement of various levels of competence. Trainers include:

- **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.





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 community, 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, 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” and the American Cancer Society’s “Relay for Life”
- 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
- and so much more!

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 Greater Kalamazoo United Way.

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 WORK AND LIVE

Every year thousands of visitors come to Kalamazoo to experience numerous world-class events, festivals, parks and hospitality. But it's not just a great place to visit, it's a great place to work and to live.

...JUST 35 MILES FROM LAKE MICHIGAN AND ABOUT 140 MILES FROM DETROIT AND CHICAGO.

Kalamazoo Institute of Arts



Located halfway between Chicago and Detroit, 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.

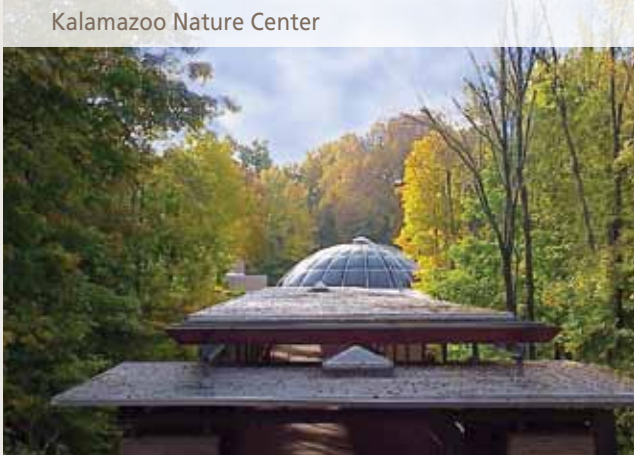
Kalamazoo has a rich cultural history and you will enjoy the finest in the visual and performing arts, such as the Kalamazoo Institute of Arts and the Kalamazoo Symphony Orchestra. World-renowned talent more your style? How about top-name musical performers, a Broadway show, or the internationally acclaimed 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.

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.

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. Five colleges provide higher education opportunities. Kalamazoo College is an elite four-year private liberal arts and sciences college near downtown. Our partner, Western Michigan University, is a four-year public university with a full range of programs. In between, Spring Arbor University, Davenport University, and Kalamazoo Valley Community College provide opportunities to enhance existing graduate degrees or to complete those already in progress.



Kalamazoo Nature Center





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.

Michigan! They don't call Michigan "the Great Lakes State" for nothing! Enjoy miles of beautiful beaches, wonderful swimming and magnificent sunsets just 40 minutes west of Kalamazoo.

Celery Flats Interpretive Center is just one of many areas to enjoy the outside—summer and winter. Canoes and bicycles are available to rent, trails for running and rollerblading abound—there's even ice skating and a warming house for winter fun. Enjoy a picnic and summer festivals such as the Great Lakes Bluegrass Festival and the Michigan Shakespeare Festival.





School of Medicine
WESTERN MICHIGAN
UNIVERSITY

WESTERN MICHIGAN UNIVERSITY
SCHOOL OF MEDICINE

1000 OAKLAND DRIVE

KALAMAZOO
MICHIGAN
49008

269.337.4400
855.ASK.WMED

WWW.MED.WMICH.EDU