FOUR-YEAR PROGRAM OVERVIEW

CENTRAL MICHIGAN UNIVERSITY

College of Medicine
Academic Year 2019
Dean’s Message

Welcome to the CMU College of Medicine.

It inspires me to welcome each new medical student to the CMU College of Medicine. When you chose us, you joined a group of unique and passionate individuals who care deeply about changing the face of health care and improving the lives of patients here in Michigan and beyond. In 1892, CMU was created to link the community’s progress to education. That legacy continues with you. After 125 years, CMU continues to lead in finding solutions to community needs. Our faculty and staff work side by side to ensure student success and prepare them for meaningful careers.

The CMU College of Medicine welcomes you as one of us and, with a shared dedication to our mission, reach the next horizon of medical education — by giving them the gift of your knowledge, your compassion, your ability to care for the next generation.

In a series we published about our inaugural class of students in 2017, we asked each of them this question: Why did you choose the CMU College of Medicine? Almost every student answered that they chose us because 1) they believed in the mission, and 2) they wanted to be part of creating the foundation of this innovative and new medical school. In series we published about our inaugural class of students in 2017, we asked each of them the question: Why did you choose the CMU College of Medicine? Almost every student answered that they chose us because 1) they believed in the mission, and 2) they wanted to be part of creating the foundation of this innovative and new medical school.

When the first class of entrepreneurial-minded students graduated and became physicians in the summer of 2017, we asked each of them to jot down some “words of wisdom” to share with incoming students. Their answers showed that their class knew firsthand the challenges you, too, will be facing, but that you will get to your destination, just as they did — through hard work, taking one step at a time, befriending and encouraging others, and opening your minds to learning all you can. One word we heard over and over when we asked our current students to describe the support and friendships they’ve developed at the CMU College of Medicine is family. It’s because your CMU family will be an integral part of this new journey you are about to begin.

We hope you are inspired by their words and their advice. That first class represents our founding alumni, and they have important lessons for you as the medical students here at the College of Medicine with whom I have the honor of working. Today is the day that you choose the CMU College of Medicine. The fact that you have chosen the CMU College of Medicine means you have the same drive, and you know already that you are a part of something bigger and a passion for the mission of the CMU College of Medicine. We are glad you are here.

You follow in great footsteps, and I know you will make all of us proud as you forge your path. Congratulations on your achievements, and welcome to the CMU College of Medicine!

George E. Kikano, M.D.
Dean, CMU College of Medicine
OUR MISSION

The CMU College of Medicine will prepare diverse, culturally competent physicians focused on improving access to high-quality health care in Michigan with an emphasis on rural and medically underserved regions. Our graduates will aspire to excellence in providing patient-centered and evidence-based care to their patients and their communities. We will engage physicians in leading healthcare transformation, lifelong learning, and team-based education. We use a holistic admissions process and seek to admit students who have personal characteristics and interests that align with the CMU College of Medicine mission. The holistic review process balances the applicant’s academic portfolio with other aspects of their application, such as the capacity for using critical thinking and logic, the understanding of the principles of ethics, personal values, and the qualities that show an applicant’s potential to become outstanding physicians.

OUR VISION

We will facilitate the transformation of health care in central and northern Michigan through:

• Delivering innovative programs in medical education
• Preparing our learners to incorporate CMU College of Medicine values into their daily lives
• Promoting interprofessionalism and team-based approaches in progressive health care
• Creating team-based educational opportunities and programs
• Creating an inclusive environment supportive of lifelong learning for our graduates, faculty, and partners
• Supporting and serving community educational needs across the continuum of medical education

OUR VALUES

In all that we do, we strive for integrity, respect, empathy, inclusiveness, social responsibility, excellence and innovation.
**ADMISSIONS TEAM**

- **Director of Admissions**: Chris Austin
- **Assistant Director of Admissions & Financial Aid**: Lyman Mower
- **Executive Administrative Assistant**: Jody MacGregor

**Admission Timeline**

- **October**: Submit Free Application for Federal Student Aid (FAFSA) at FAFSA.gov
- **January**: Criminal Background checks begin for U.S. Citizens for all admitted students.
- **April**: Early April - Financial aid award notices will be sent to students. Second Look Experience.
- **April 10th**: Students may hold only one medical school acceptance (AAMC guideline)
- **July**: Deadline for Student Load Activation.
- **August**: Classes begin.

**ON-CAMPUS GRADUATE SNAPSHOT**

- **Total**: 23,335 students
  - **Graduate**: 6,696
    - On-campus: 18,155
    - Online and Satellite programs: 9,138
  - **Undergraduate**: 17,645

**By location**

- **On-campus**: 23,335
- **Online and Satellite programs**: 9,138

**Fall 2017**

- **2,068 students**

**Age**

- 20-24: 392
- 25-29: 800
- 30-34: 192
- 35-39: 103
- 40+: 144

**Diversity**

- 65% White
- 11% African American
- 7.7% Other
- 4.5% Asian
- 3.6% Hispanic
- 4% Nonresident
- 19.1% Not reported
- 18% Nonresident

**U.S. STATES COUNTRIES Represented in on-campus undergraduate and graduate student enrollment**

- 51 states
- 61 countries

**8 ACADEMIC COLLEGES**

- Undergraduate: Approx. 200 programs
- Graduate: Approx. 100 programs (including master’s, doctoral and specialist degrees, and certificates)

**1892**

- Year CMU was founded

**Criminal Background checks**

- Begin for U.S. Citizens for all admitted students.

**November**

- **October**: Submit Free Application for Federal Student Aid (FAFSA) at FAFSA.gov
- **November**: Criminal Background checks begin for U.S. Citizens for all admitted students.
- **January**: Deadline for Student Load Activation.
- **February**: Classes begin.

**Programs**

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REFRESHINGLY PLEASANT

Connect with nature on the more than 80 miles of the Chippewa River Water Trail or on island (Pleasant’s 15) area parks. Grab a meal and go shopping with a friend in the quaint downtown. Experience culture and art at the Dowsing Center of Arts and Culture and relax in one of the city’s championship golf courses. Discover the countless other activities and Lifeways. Visit one of the city’s championship golf courses. Discover the countless other activities and Lifeways.

CAMPUS MAP KEY

+ Academic buildings:
  - Anspach Hall
  - Art Gallery
  - Boscromen Building
  - Brock Hall
  - College of Medicine Building
  - Dow Science Complex
  - Education and Human Services Building
  - Engineering and Technology Building
  - Fresh Fieldhouse
  - Grawn Hall
  - Health Professions Building
  - Moore Hall
  - Music Building
  - North Art Studio
  - Park Library
  - Pierce Hall
  - Powers Hall
  - Sloan Hall
  - Smith Hall
  - Wightman Hall

+ Notable locations:
  - Admissions Office (Warner Hall)
  - Bovie University Center
  - Bush Theatre (Moore Hall)
  - Campus Police and Security
  - Chambers Hall (Malkoski Building)
  - John G. Kulhavi Events Center & Ryan Hall
  - UC Auditorium (UC Center)
  - Townsend Kiva (Moore Hall)
  - Student Activity Center (Warriner Hall)
  - McGuirk Arena
  - McGuirk Arena (Warriner Hall)
  - Student Activity Center
  - Kelly/Shorts Stadium
  - Student Activity Center
  - Kelly/Shorts Stadium
  - UC Auditorium (Bowling Green University Center)

+ Residential halls:
  - Barnes Hall
  - Bedell Hall
  - Calkins Hall
  - Capitol Hall
  - Campus Hall
  - Coble Hall
  - Emmerson Hall
  - Fabiano Hall
  - Hempy Hall
  - Keeler Hall
  - Klingen Hall
  - Lancaster Hall
  - Marshall Hall
  - Robinson Hall
  - Lea Hall
  - Lamire Hall
  - Thorne Hall
  - Upland Hall
  - Mud Hall
  - Toms Hall
  - Wobbi Hall

+ Residential restaurants:
  - Fresh Food Company (FFCo)
  - Glenn Residential Restaurant
  - Real Food on Campus (RFC)
  - Robinson Residential Restaurant

TAKE A STUDY BREAK

or enjoy lunch or dinner at several nearby restaurants within walking distance of which are close to campus.

City Population

<table>
<thead>
<tr>
<th>Age Group</th>
<th>Percentage</th>
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<tr>
<td>Under age 20</td>
<td>31.9%</td>
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<tr>
<td>Ages 20-29</td>
<td>39.2%</td>
</tr>
<tr>
<td>Ages 30-39</td>
<td>6.8%</td>
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<tr>
<td>Ages 40-49</td>
<td>6.9%</td>
</tr>
<tr>
<td>Ages 50 or over</td>
<td>16.7%</td>
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</tbody>
</table>

Total Population: 28,016
Welcome to Mount Pleasant

• 26,016 permanent residents
• Quaint downtown shops with local owners, plus your favorite major retail stores
• 15 parks with miles of bike paths and trails for hiking and biking
• Canoeing, kayaking and tubing on the 80-mile Chippewa River
• Soaring Eagle Resort with fine dining, top-rated concerts and a water park
• Five golf courses

GO.CMICH.EDU/MOUNTPLEASANT

Explore beyond Mount Pleasant

With daily bus service to and from Chicago, Detroit, Lansing, Grand Rapids and Bay City/Midland, you'll find it easy to travel to other cities and connect with area airports and Amtrak trains to visit home.
Our commitment to diversity begins with our mission: to prepare diverse, culturally competent physicians, focused on improving access to high-quality health care in Michigan. In support of this mission, we strive to foster diversity and inclusion amongst our faculty, staff and students.

The College of Medicine uses a holistic approach to teach students how to assess patients’ unique needs, as well as diverse techniques to provide the most effective treatment. Furthermore, students learn to consider the biological, psychological, and social factors that extend beyond physical ailments. Using case-based learning, the College of Medicine’s curriculum emphasizes the importance of incorporating environmental and institutional barriers to healthcare into their diagnoses.

Students at the CMU College of Medicine are expected to participate in the variety of diversity and inclusion-related programming with frequent C.A.R.E.S week activities focusing on these areas. Our signature spring event is the week-long Diversity Health Spotlight symposium in which students, faculty, and staff work hand in hand to develop timely and engaging diversity programming. Student Interest Groups (SIG’s) such as Student National Medical Association, Latino Medical Student Association, LGBTQ Equality in Medicine, and Muslim Medical Student Association play an important role in cultivating an inclusive community at the College of Medicine.

Students also have access to a variety of diversity resources on campus, including:

- Office for Institutional Diversity and Inclusion
- Office of Diversity Education
- Multicultural Academic Student Services
- Office of LGBTQ Services
- Native American Programs Office
- Office of Civil Rights and Institutional Equity
- Office of International Affairs


Grady

Copyright © 2022 Michigan State University. All rights reserved.
Meet Ali Tahboub (left) of Detroit, Michigan. Through the CCC, Ali is learning about the importance of working with underserved populations. Ali said that from the day he first met with the College of Medicine, he knew he wanted to be a part of the family. He is pursuing a general surgery residency program, and he looks forward to being a leader, educator and mentor in whichever community he serves.

Meet Andrew Krause of Jackson Hole, Wyoming. Andrew chose to attend Central Michigan University’s College of Medicine because “it meets my interest in understanding all aspects of medicine, and the people of Michigan are incredible. My parents both grew up in Michigan, and I have always loved the state.” He is pursuing an orthopedic surgery residency program, and he is excited about the opportunities Michigan provides.

Meet Matthew Wolf, whose hometown is Saginaw County, Michigan. Matthew chose to attend Central Michigan University’s College of Medicine because “it met the criteria of being a rural community, small-town community atmosphere, but having a high level of care in the area.” He is pursuing a family medicine residency program, and he hopes to serve his own community in the future.

Meet Stephanie Thorpe from Alcona, Michigan. Stephanie said that she chose to come to CMU’s College of Medicine because “it met the criteria of being a rural community, small-town community atmosphere, but having a high level of care in the area.” She is pursuing a radiology residency program, and she hopes to serve her own community in the future.

Meet Matthew Przecielewski from Dearborn Heights, Michigan. Matthew chose to attend Central Michigan University’s College of Medicine because “it met the criteria of being a rural community, small-town community atmosphere, but having a high level of care in the area.” He is pursuing a family medicine residency program, and he hopes to serve his own community in the future.

Meet Andrew Kramer of Holly, Michigan. Andrew was “impressed with the curriculum and environment of CMU,” and said that when he met with the pre-med program, he knew he wanted to be a part of the family. He is pursuing a family medicine residency program, and he is excited about the opportunities Michigan provides.

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Complete the FASFA

Completing the free application for Federal Student Aid (FASFA) is the first step in applying for financial aid at Central Michigan University College of Medicine. You will need to complete the FASFA form. Remember to list CMU's Federal school code of 002243 to ensure your FASFA results are sent to us.

Investigate

Be proactive—explore additional resources for scholarships and grants. If you need loans to cover additional expenses, consider pursuing federal student loans. They typically have some of the best terms and conditions. The only source of federal student loans is the Department of Education’s Direct Loan program.

Apply Early

Paying attention to deadline is crucial. Obtain, read, complete and turn in the application by March 1 so that you can receive your financial aid package in a timely manner. Occasionally unexpected situations might arise that could delay your application. If you wait until the last minute to apply, you may not qualify for financial aid due simply because of a missed deadline.

Your award notice

Once your FASFA results are received and processed in late March, you will receive an award notice indicating the types of financial aid and amounts for which you are eligible. Follow the directions for accepting or declining the aid. If you are accepting the aid and it includes student loans, pay particular attention to the information on how to activate your loan.

Estimated Tuition and Fees for Students in 2018-19 Academic Year

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<th>Out of State</th>
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<td>Room, Board, Transportation and Personal</td>
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Still have questions?
Contact Christopher A. Brown
Senior Associate Director of Financial Aid
CMED 1401B | 989-774-1495
brown2ca@cmich.edu

FINANCIAL AID

ACADEMIC SUCCESS

Academic Success is led by Amanda Swafford, MBA, in collaboration with faculty and staff from the Office of Student Affairs and the Office of Medical Education. The goal of Academic Success is to enhance medical students’ and residents’ academic and clinical learning experiences by offering a variety of learner-centered programs, services, and resources. Academic Success programs include workshops and consultations, panel discussions, guest speakers, peer tutoring, confidential consultations, and student-interactive sessions focused on timely and relevant topics. Example topics include, but are not limited to:

- Transitioning to Medical School
- Understanding learning style preferences and implications for learning
- USMLE Step 1, 2 and 3 strategies and resources

Peer Tutoring Program

The College of Medicine at Central Michigan University offers a Peer Tutoring Program for students enrolled in our medical school program. Through this program, you have the opportunity to work individually with trained students who have a sincere interest in helping their colleagues and who have excelled in their coursework. This program serves to supplement existing academic success and support services provided by faculty, Course Directors, and Academic Success. In addition, this program provides the opportunity for tutors (who are also medical students) to reinforce their medical and clinical knowledge, enhance critical thinking, and improve leadership skills while simultaneously helping their peers to achieve similar goals.

Still have questions?
Contact Amanda Swafford, MBA
Academic Success

Amanda Swafford, MBA
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STUDENT INTEREST GROUPS

- Addiction in Medicine
- American Medical Association (AMA)
- Anesthesiology
- Business in Medicine
- Cardiology
- Christiana in Medicine
- Dermatology
- Disabilities in Medicine
- Emergency Medicine
- Evidence-Based Medicine
- Family Medicine
- Gastroenterology and Colorectal
- Gentlemen in Medicine
- Genes in SIG
- Global Health Equity
- Health and Nutrition
- Humanism in Medicine
- Immersion: Spanish Culture and Language
- Integrative Medicine
- Internal Medicine
- Interventional Radiology
- LGBT Equity in Medicine
- Medical Ethics
- Medical Students for Choice
- MedReach
- Muslim Medical Students' Association
- Nephropathy & Endocrinology
- Neurological Surgery
- Neurology
- Oncology
- Ophthalmology
- Obstetrics and Sports Medicine
- Pediatrics
- Physiology for Human Rights
- Population Health Research Group
- Psychology and Mental Health Advocates
- Radiology
- Rare Diseases
- Research in Medicine
- Resistance Training
- Service for the Underinsured
- Street Medicine
- Student National Medical Association
- Surgery
- Therapy through Music
- The Whole Patient Approach
- Women in Medicine/MD/MED
- Women's Health

OFFICE OF STUDENT AFFAIRS

Our goal is to help guide our students on their journey through Medical School. We provide them with support and the tools they need to become wonderful doctors. We work towards providing all of our students a safe and healthy learning environment, whether it's assisting them with compliance for vaccinations or just being the friendly face they need to brighten their day. We are here for our students.

CURRICULUM

YEAR 1 and 2

+ Foundational Sciences

The first 18 academic weeks encompass the Foundational Sciences course, divided into two eight-week blocks with C.A.R.E.S. weeks between them and at the end. In addition, three longitudinal courses, Society and Community Medicine, Essentials of Clinical Skills, and the Art of Medicine, begin at this time and continue throughout the first two years.

In keeping with the integrated model of medical education, the Foundational Sciences course includes content in anatomy, immunology, pathology, biochemistry, cell biology, microbiology, nutrition, genetics, embryology, physiology, biochemistry, cell biology, microbiology, nutrition, genetics, embryology, physiology, biochemistry, cell biology, microbiology, nutrition, genetics, embryology, physiology, and skills increase, students will begin to interact with patients, always aware of the multifaceted patient care environment.

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Within the Essentials of Clinical Skills course there is a longitudinal half-day clinical placement in a primary care physicians practice in the Mount Pleasant area. This placement is called the Initial Clinical Experience (ICE) and serves as the clinical laboratory in which students apply evidence-based medicine and learn to think critically around common problem presentations. As a formal part of the ICE, students will develop the skills of a keen observer of the clinical environment and the health care team’s perspective as well as that of the health care team. As interweaving physical and psychological skills increase, students will begin to interact with patients, always aware of the multifaceted patient care environment.

Interpersed between courses are a series of week long experiences known as C.A.R.E.S. weeks. As envisioned, these weeks provide an opportunity for student input and evaluation of their cumulative experiences, an opportunity for unique assessment of student progress, reinforcement of learning concepts and skills, remediation of necessary, and serves as a means of continuous quality improvement.

Organ systems courses begin following the winter break and Transition week in Year 1. In order, the first-year organ systems courses are Reproductive Human Development – six weeks; Cardio/Pulmonary – seven weeks; and Renal/Endocrine – six weeks. Each focuses on wellness and disease and is followed by a C.A.R.E.S. week. While all of the medical sciences are integrated in each module, the focus is upon anatomy, physiology and pathology.

The second year continues the integrated organ systems courses, including:

- Neurosciences/Behavior – eight weeks
- Gastrointestinal – six weeks
- Musculoskeletal/Dermal – four weeks
- Hematology/Onco (taught with Oncology) – four weeks

The organ systems courses are followed by SYNAPSE, four week block of experiences focused on transition to clinical work, studying for the national board examinations, and review focused on the major content and concepts in the first two years.
Clinical Education
Years three and four are the logical extension of clinical and basic science courses of the first two years. The curriculum for years three and four will include a 6-month Integrated Longitudinal Clerkship, which the College of Medicine calls the Comprehensive Clinical Clerkship (CCC), a series of 7 required clerkships and 20 weeks of electives.

The CMU College of Medicine Model
The term Longitudinal Integrated Clerkship, which we call the Comprehensive Community Clerkship (CCC), refers to a model of clinical education and training for medical students which occurs in the third or fourth year of medical school. At CMU, the CCC will occur in the third year. The key features of the CCC are objectives-based; major clinical specialties and their objectives are learned in parallel, rather than in separate “silos.” The CCC is usually 34 weeks in duration and students are based in primary care practices but learn all specialties. Assessment of content, knowledge, and clinical skills and performance is accomplished using a variety of methods including written examinations, clinical observation and feedback and objective structured clinical examinations (OSCE).

The CCC at Central Michigan University College of Medicine is a 6 month (24 week) clinical experience based in a large rural, small urban, or larger urban Michigan community. The CCC occurs in the third year of the medical school curriculum and students are based in primary care practices in groups of 2 as an immersion experience. That is, they live in and experience the communities to which they are assigned. Rather than learning the major specialties of medicine in separate rotations, the learning experience is integrated in that the specialties are learned in parallel based on the practices in which the student is located. The CCC is based upon specific learning objectives from each of the major specialties and disciplines including obstetrics, gynecology, surgery, psychiatry, pediatrics, and radiology. During the CCC, students will be assigned to a single primary care provider (usually a family physician) and will have a panel of patients sharing in the provision of care of both acute and chronic conditions. Assessment of content, knowledge, and clinical skills and performance is accomplished using a variety of methods including written examinations, clinical observation and feedback and objective structured clinical examinations (OSCE).

The CCC communities in which students are placed are carefully selected on the basis of ICD-9 categories to assure the correct mix of patients, presenting problems, health care facilities and health care providers are available within easy access for them. In the same careful way that communities are selected, physicians, health care providers and specific physician faculty are identified as individuals committed to taking on the responsibility of medical student education. They become College of Medicine faculty in the communities and receive specific assistance and training in the CCC program of medical education.

This provides students with an opportunity to follow the course of a patient’s illness and to understand the context in which the patient lives in their community. This continuity of care opportunity is not often or easily afforded in a tertiary care facility.

Required Clerkship Rotations & Electives
Covenant HealthCare and St. Mary’s of Michigan, both in Saginaw, and St. John’s Providence Health System in Detroit are the primary locations for the following hospital-based clerkships.

Our seven required clerkships and 20 weeks of electives are shown below:

- General Surgery (four weeks)
- OB/GYN (four weeks)
- Psychiatry (four weeks)
- Emergency Medicine (four weeks)
- Medicine Sub-Internship (four weeks)
- Surgery Sub-Internship (four weeks)
- Pediatrics (four weeks)
- Electives (20 weeks)

The College of Medicine curriculum as described here is focused on educating and training medical students to follow generalist specialty choices appropriate to our mission. It also is designed to reinforce skills in self-study, self-reflection, team-based medical practice and lifelong learning so essential to successful medical practice in the future.
Covenant Health Care - Saginaw

Covenant Healthcare is the largest, most comprehensive health care provider in the region, serving 20 counties across northeast and central Michigan. Covenant offers a range of services from high-risk obstetrics, neonatal and pediatric intensive care to acute care including a Level I Adult and Pediatric Trauma Center, cardiology, oncology, orthopedics, and robotic surgery, to name a few. Covenant is also a critical access hospital for seven community hospitals in Michigan’s thumb region and in central Michigan.

MidMichigan Health

MidMichigan Health is a nonprofit health system, headquartered in Midland, Michigan, affiliated with Michigan Medicine, the health care division of the University of Michigan. They cover a 22-county region with medical centers in Midland, Alpena, Alma, Clare, Gladwin and Mount Pleasant. In addition to its Medical Centers, MidMichigan Health also offers both home health care and physician services and has a strong commitment to medical education (medical students and two residency programs). MidMichigan Physicians Group provides patients with access to compassionate, quality medical care and manages urgent care facilities and medical offices in more than 30 specialties and subspecialties including cardiology, hematology/oncology, orthopedics, vascular surgery, family medicine and more. To learn more about MidMichigan Health visit www.midmichigan.org.

St. Mary’s of Michigan - Saginaw

St. Mary’s of Michigan – Saginaw is a regional leader in advanced specialty care, a verified Level II Trauma Center and a certified Primary Stroke Center. St. Mary’s cares for patients from 70+ counties primarily from the mid, northern and thumb regions of Michigan.

St. John Hospital and Medical Center

St. John Hospital and Medical Center is a teaching hospital in Detroit known for excellence in advanced care in cardiology, neurosciences, minimally invasive and robotic surgery, emergency services, pediatrics, and medical education. St. John Hospital has one of the busiest Emergency Centers in the nation. As a Level II Trauma Center, St. John Hospital has both Chest Pain Center and Heart Failure Center accreditations.