



BAPTIST HEART & VASCULAR INSTITUTE

ANNUAL REPORT 18



OUR MISSION

Helping people throughout life's journey.

OUR VISION

To be *the* trusted partner for improving the quality of life in the communities we serve.

OUR VALUES

Guided by Christian values, we commit to the following:

OWNERSHIP | accountable, engaged, stewardship, responsive, committed

INTEGRITY | honest, principled, trustworthy, transparent

COMPASSION | empathetic, merciful, sensitive, kind, giving, forgiving, hopeful

EXCELLENCE | safety, quality, distinguished, learning, improving

SERVICE | welcoming, attentive, humble, respectful, exceeds expectations, collaborative



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WELCOME



Dear Friend,

I am pleased to present to you Baptist Heart & Vascular Institute's 2018 annual report. Last year, the program achieved many successes and received an overwhelming number of heartfelt stories from our patients.

The vision of Baptist Heart & Vascular Institute (BHVI) is to be the trusted partner for comprehensive cardiovascular care. In 2018, we continued our uncompromising commitment to providing the best quality care for our patients. We received numerous national recognitions that are testaments to the quality of our program.

Our program earned two prestigious four-star ratings on quality measures for urgent heart attack care, angioplasty and implantable cardioverter defibrillator (ICD) procedures performed at Baptist and Gulf Breeze hospitals. In addition, BHVI earned the American College of Cardiology's Action Registry Platinum Performance Achievement Award. This award is only given to hospitals with the highest quality of care for patients with myocardial infarction.

The structural heart program continued its steady growth with a survival rate above the national average. Our electrophysiologists are the first in our region to perform atrial fibrillation ablation procedures without any radiation exposure. Our surgical team has consistently provided superior outcomes following bypass surgery compared to national data.

Let us continue our Mission together of helping people and our patients throughout life's journey.

Sincerely,

Safwan Jaalouk, M.D., FACC, FSCAI
Chairman, Baptist Heart & Vascular Institute



OVERVIEW

Baptist Heart & Vascular Institute is the area's most established, comprehensive program for heart health. Our program is one of the largest in Northwest Florida and South Alabama, providing patients with everything they need in quality care. We have the largest and most experienced physician team in the region. Collectively, the group has introduced almost every new innovation in heart care to our area.

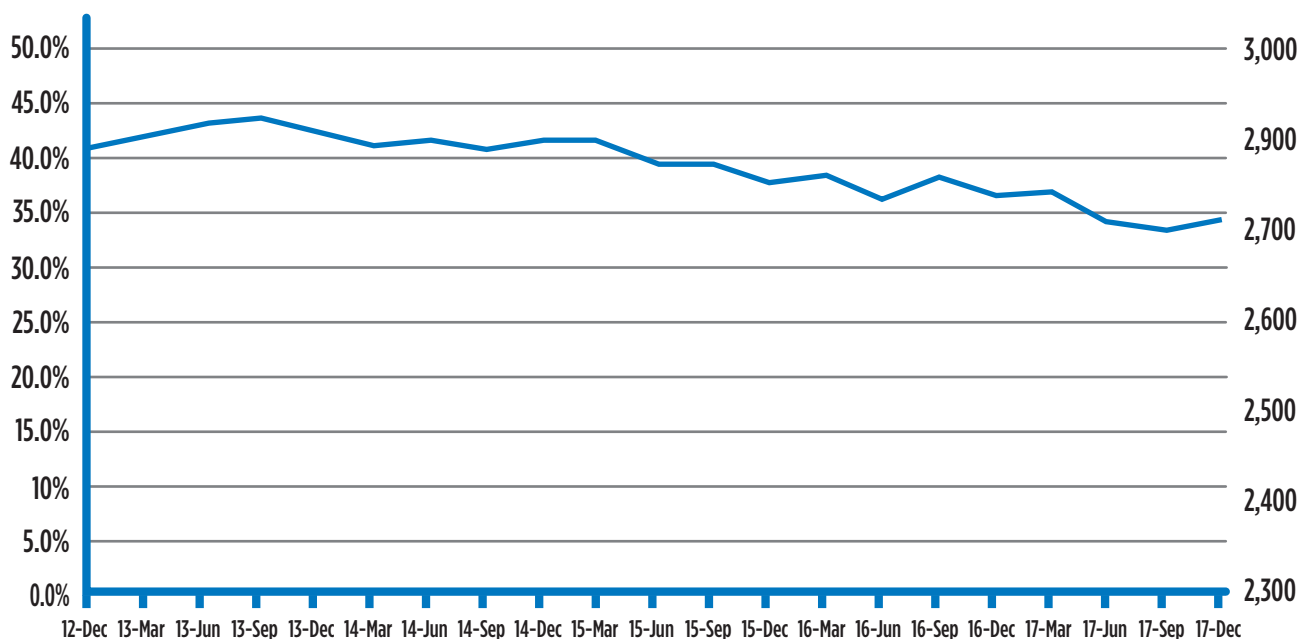
OUR LEADING APPROACH TO HEART AND VASCULAR CARE

BHVI is renowned for its dedication to pioneering innovative techniques and advancing the level of heart and vascular care available in our region. In fact, we've brought many medical firsts to our area. Here are just a few of the innovations and accomplishments of our program and why thousands of patients throughout the region choose us for their care.

REGIONAL MEDICAL FIRSTS

- First to perform extra corporeal membrane oxygenation
- First to offer the Watchman® procedure for AFib patients
- First and only cath lab team to achieve 100% upper-level certification
- First and only to offer transcatheter mitral valve repair using MitraClip®
- First to offer transcatheter aortic valve replacement
- First to place smallest leadless pacemaker
- First to offer procedure for coronary chronic occlusions, an alternative to bypass surgery
- First to offer minimally invasive heart valve surgery
- First electrophysiology laboratory in Gulf Breeze, Florida
- First Heart Rhythm Center in region
- First and only to offer minimally invasive robotic lung surgery
- First transmyocardial revascularization (TMR) laser procedure
- First off-pump bypass operation
- First coronary care unit in the southeast
- First balloon angioplasty

BAPTIST HEALTH CARE SYSTEM INPATIENT CARDIOVASCULAR MARKETSHARE



PROVIDERS



Our experienced cardiology team is committed to providing the highest quality of care to people who have disorders of the heart, arteries, veins and lymphatic vessels (cardiovascular diseases).

With specialized training, our cardiologists diagnose and treat diseases or conditions of the cardiovascular system including congenital heart defects, coronary artery disease, heart failure and valvular heart disease.

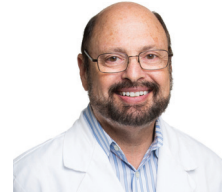
Cardiology



RAMON AYCOCK, M.D.,
FACC



PELBRETON C. BALFOUR JR., M.D.,
SC.M.



STEVEN EILEN, M.D., FACC



ANDREW KEES, D.O.,
FACC



HENRY LANGHORNE, III, M.D.,
FACC



ELIAS SKOUFIS, M.D.,
FACC



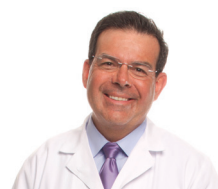
BENJAMIN LLOYD, M.D.,
FACC



BRIAN PAYNE, M.D.,
FACC



HANI RAZEK, M.D.,
FACC



BRENT VIDEAU, M.D.,
FACC, FASE, FAH



TOINETTA COOLIE,
MSN, R.N., FNP-BC



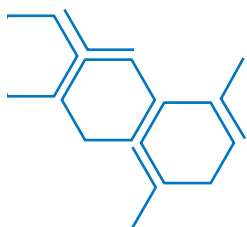
HEATHER DEAN,
APRN-C



LACY MICHELLE KUSY,
APRN-C



ASHTON SORRELLS,
APRN-C



Cardiothoracic Surgery

Our cardiothoracic surgical team has specialized training in diagnosing and surgically treating diseases of the heart, lung, chest, esophagus, diaphragm and blood vessels (cardiac and thoracic diseases).

We offer a full spectrum of advanced cardiothoracic surgical services, including minimally invasive robotic-assisted surgery, “off-pump bypass” heart procedures and minimally invasive heart valve procedures.



WILLIAM F. BAILEY, M.D.,
FACS



JAMES L. LONQUIST, M.D.,
FACS



JAMES L. NIELSEN, M.D.,
FACS

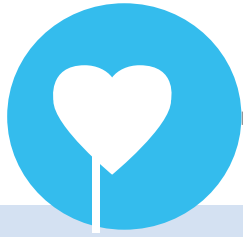


TANYA DUFFEY WARNER,
DNP, FNP-C



KENDRA LAMB,
APRN





Interventional Cardiology

Leaders in their field, our interventional cardiology team has advanced education and training in diagnosing and treating cardiovascular disease and structural heart conditions through the most innovative catheter-based procedures including Watchman®, transcatheter mitral valve repair (TMVR) using Mitraclip® and transcatheter aortic valve replacement (TAVR).

These innovative procedures allow interventionalists to treat many forms of cardiac disease in a minimally invasive way, and in many cases, allow patients to return home the same day of their procedure.



LUTHER CARTER, M.D.,
FACC, FSCAI



F. JAMES FLEISCHAUER, M.D.,
FACC



MUHAMMAD GHUMAN, M.D.,
FACC



SAFWAN JAALOUK, M.D.,
FACC, FSCAI



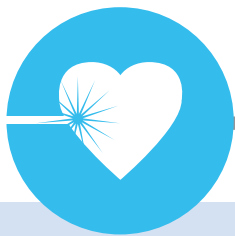
SHELIA BENNETT,
APRN-C



KRISTY CROWLEY,
APRN-C



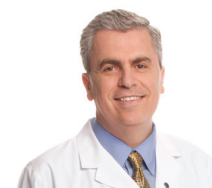
TERESA YATES,
APRN-C



Electrophysiology

Our experienced electrophysiology team at the Baptist Heart Rhythm Center is exclusively dedicated to the diagnosis and treatment of disorders of the heart rate and rhythm.

Due to their expertise and quality outcomes, patients are referred to their care throughout the region for a variety of complex arrhythmia needs.



THABET ALSHEIKH, M.D.,
FACC, FHRS



EVAN GIEDRIMAS, M.D.



SUMIT VERMA, M.D.,
FACC



CHRISTOPHER ANDERSON,
PA-C



DOUGLAS BAKER,
PA-C

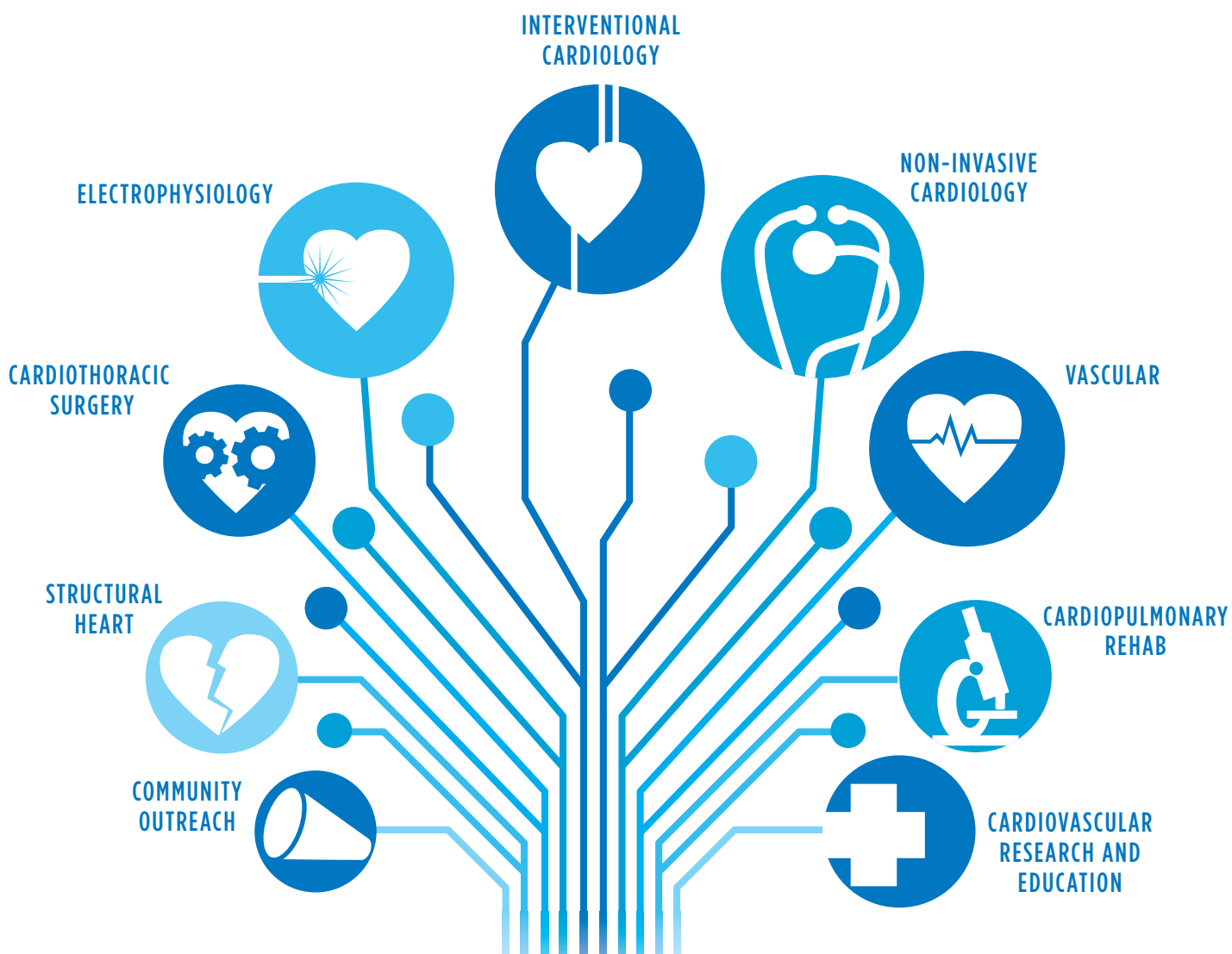


WILLIAM WATSON,
PA-C



ELIZABETH BERG,
APRN-C

COMPREHENSIVE SERVICES

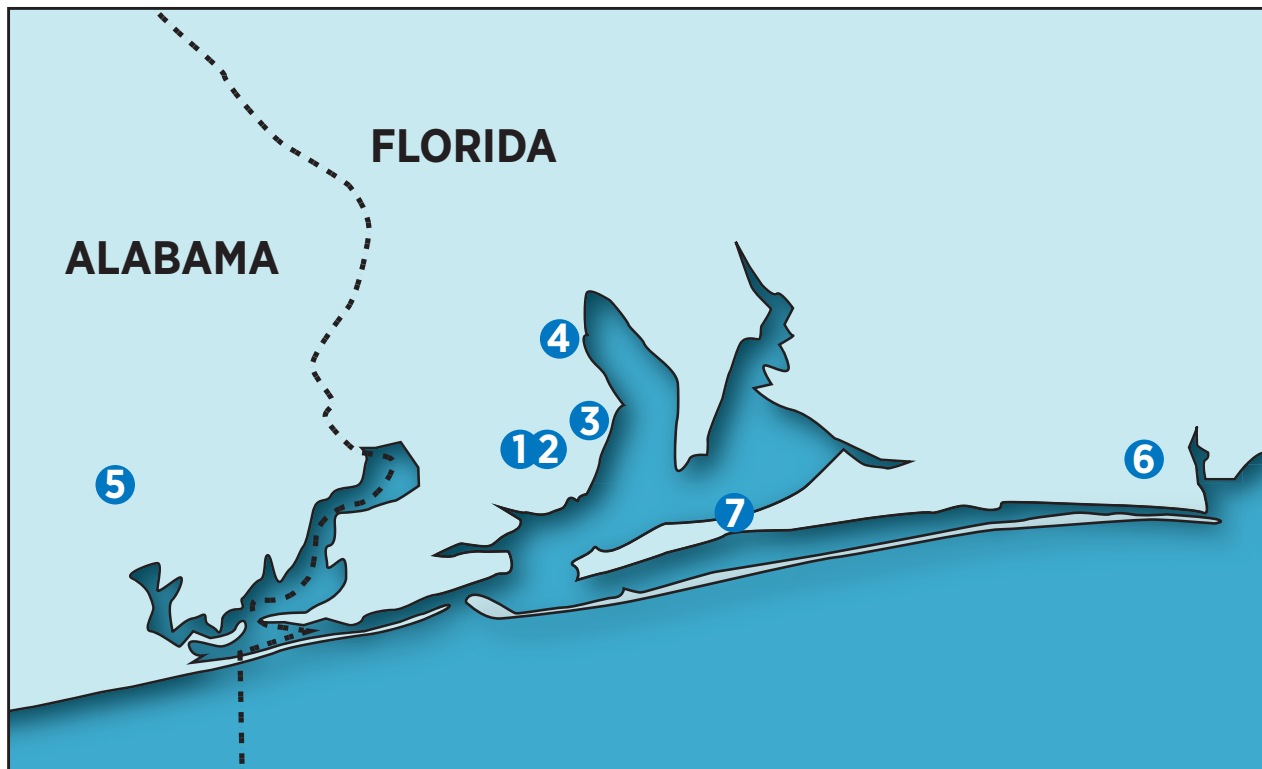


WORKING TOGETHER FOR A COMMON GOAL

With offices throughout the region, our goal is to reach patients with heart issues who may not otherwise seek treatment because the distance is too great. Our commitment is to provide the best care closer to home.

LOCATIONS

BHVI is the largest and most comprehensive cardiovascular care center in the region. From diagnosis to leading-edge treatments, our nationally recognized program focuses on providing you with the utmost in quality care and personal service in multiple convenient locations. For more information, call 850.484.6500.



1. Baptist Medical Towers

1717 North E St., Suite 331
Pensacola, FL 32501

2. Baptist Medical Towers Heart Rhythm Center

1717 North E St., Suite 434
Pensacola, FL 32501

3. Baptist Medical Park – Airport

5100 North 12th Ave., Suite 202
Pensacola, FL 32504

4. Baptist Medical Park – Nine Mile

9400 University Parkway, Suite 103
Pensacola, FL 32514

5. Foley Office

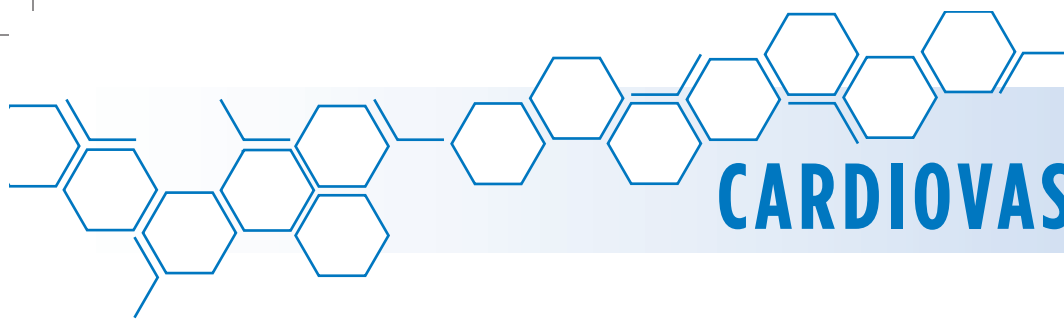
1600 North McKenzie St., Suite 202
Foley, AL 36535

6. Fort Walton Office

133 Racetrack Rd. NW
Fort Walton Beach, FL 32547

7. Gulf Breeze – Medical Office Building

1118 Gulf Breeze Parkway, Suite 102
Gulf Breeze, FL 32561



CARDIOVASCULAR IMAGING

BHVI's Cardiac Imaging labs are accredited by the Intersocietal Accreditation Commission (IAC) in echocardiography, vascular and nuclear studies.

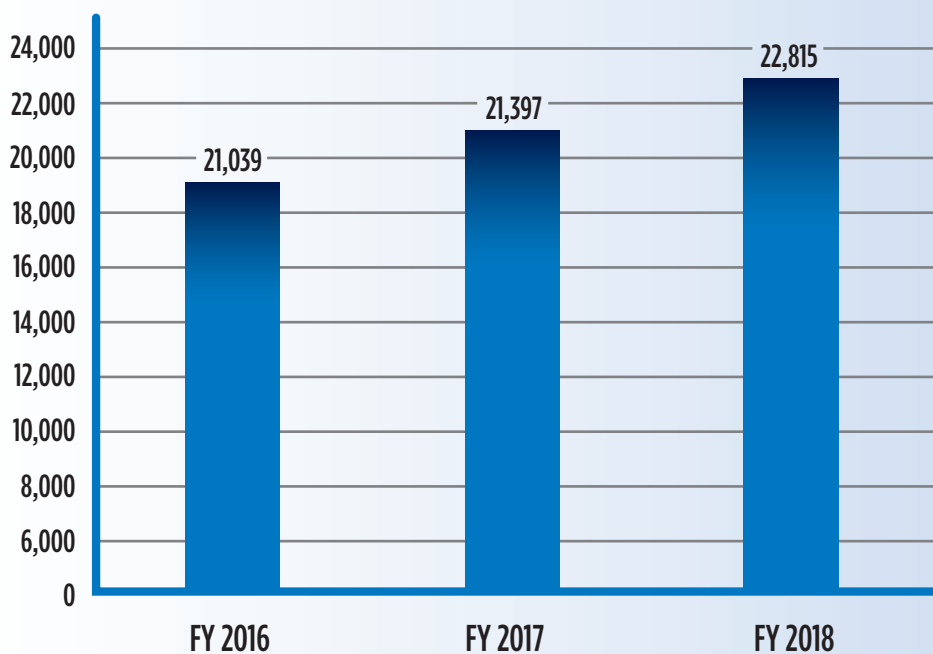
Our accredited labs require both physicians and cardiac sonographers to be adequately trained in performing exams and physicians experienced in interpretations.

The cardiac sonographers are 100% dual registered in echocardiogram and vascular through either ARDMS or CCI registries.

Non-invasive studies performed include, but are not limited to, echocardiography (2-D and 3-D), tilt table testing, event/Holter monitors and AV optimization. Other studies performed are advanced imaging for cardiac MRI, cardiac CT, and cardiac nuclear stress testing, and transesophageal echocardiogram (2-D and 3-D TEE). These complex studies may eliminate the need for invasive measurements.

Echocardiography team members assist with guidance during complex structural heart disease interventions in the catheterization/EP laboratories including, but not limited to, TAVR, Mitraclip™, Watchman® and advanced catheter ablations, as well as during minimally invasive valvular heart surgery and ECMO.

BHVI is committed to providing high quality patient care and services. Our diverse team of cardiac sonographers, nurses, nuclear and cardiac techs, and physicians have a variety of expertise. Our team continues to further our education to better provide for the community and our patients.



**DIAGNOSTIC IMAGING
VOLUME**

INTERVENTIONAL CARDIOLOGY

BHVI CATH LAB TEAM ACHIEVES 100% UPPER-LEVEL CERTIFICATION

The BHVI cath lab achieved the ambitious goal for all team members to earn certification from CCI. This higher level of specialization is in addition to the clinical professional licenses in registered nursing and radiologic technology team members already possess.

BHC CARDIAC CATH LAB RECEIVES ACCREDITATION

The Baptist Heart & Vascular Institute was one of the first to have received accreditation for three years in the following area:

- Adult Diagnostic Catheterization
- Percutaneous Coronary Intervention
- Valve Interventions
- Structural Heart Interventions



BHVI EARNS PLATINUM ACTION REGISTRY AWARD AND MISSION LIFELINE AWARD

In 2018, BHVI earned the American College of Cardiology Action Registry – GWTG Platinum Performance Achievement Award for hospitals demonstrating achievement by sustaining performance measures in the treatment of heart attack patients through the implementation of Chest Pain - MI Registry and in-hospital initiation of the American College of Cardiology/American Heart Association Clinical Guideline recommendations.

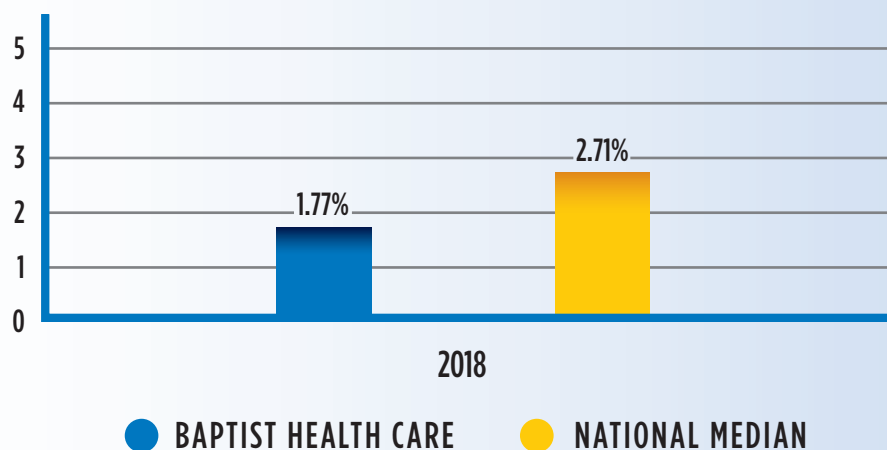


4 OUT OF 4 RATING FOR PCI DISCHARGE MEDICATIONS

Patients should be prescribed aspirin, a P2Y12 inhibitor medication, and a statin medication after having a PCI/angioplasty to reduce the chance of blood clots in new stents, decrease cholesterol and reduce the risk of heart attacks-unless there is a reason to not use these medicines (such as an allergy). This score shows how well this facility is following this guideline - higher is better. Patients who cannot take all of the recommended medicines are excluded.

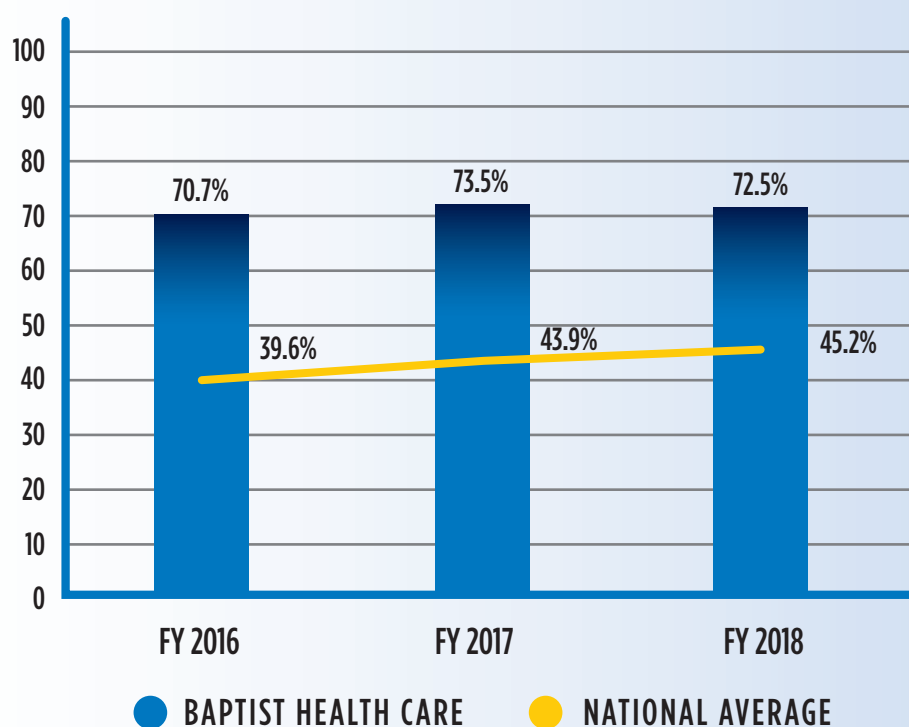
4 OUT OF 4 RATING FOR URGENT HEART ATTACK CARE

This rating reflects how a facility provides standard heart attack treatments to patients suffering heart attacks that typically require urgent treatment with a stent or medications and are later referred to cardiac rehabilitation.



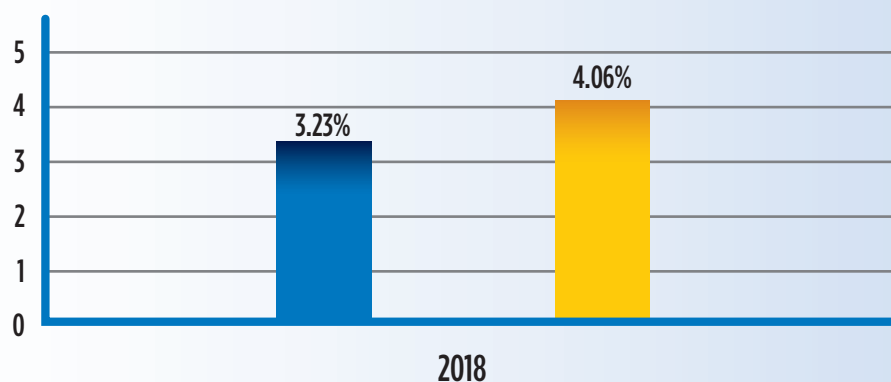
MAJOR ADVERSE EVENTS, PCI

Source: CathPCI Registry v4.4 Q4 2018 Executive Summary



RADIAL ACCESS, CATH WITH/WITHOUT PCI

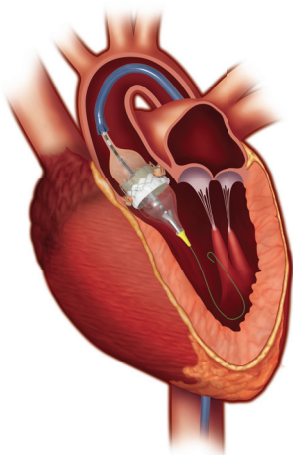
Source: American College of Cardiology Foundation (ACCF). CathPCI Registry v4.4 Institutional Registry Outcomes Report. 2016 Q4 published 7/20/17. 2017 Q4 published 6/6/18. 2018 Q1 published 8/9/19.



IN-HOSPITAL RISK ADJUSTED MORTALITY RATE, AMI

Source: American College of Cardiology Foundation (ACCF). ACTION Registry v 2.4 Executive Summary. Aggregated 2/28/19.

STRUCTURAL HEART PROGRAM

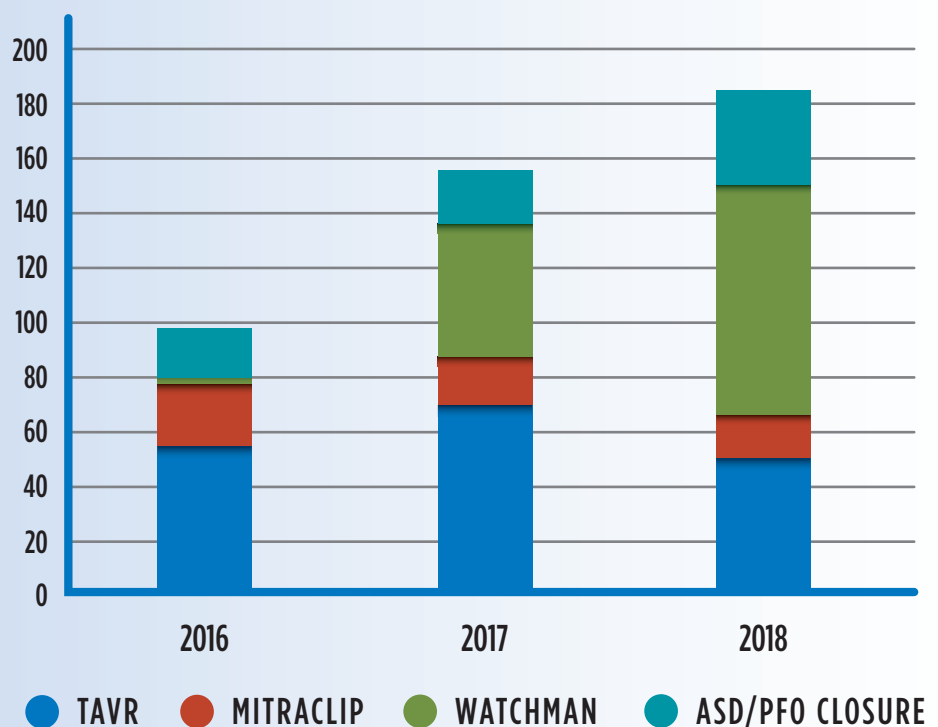


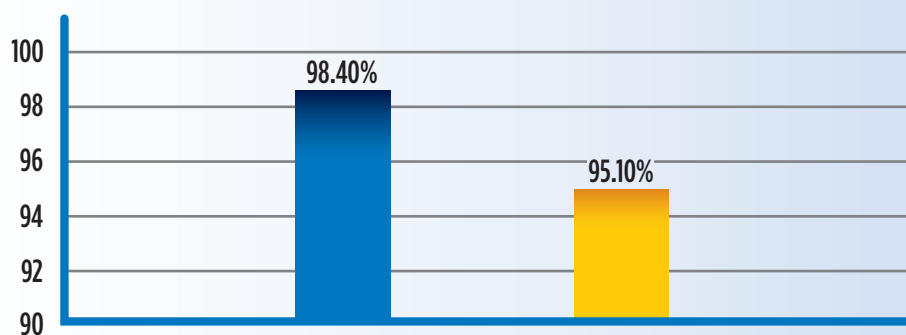
BHVI's structural heart program offers leading-edge technologies in structural heart disease treatment. These procedures put BHVI in the same league as major medical centers around the world and allow patients the ability to remain close to home for their heart care. The Baptist Heart & Vascular Institute is the first team of cardiovascular specialists in the Florida Panhandle and one of the select programs in the nation to offer a structural heart program. The multidisciplinary team at the Baptist Heart & Vascular Institute is unique to our area due to its size and collaborative experience.

BHVI REACHES TREMENDOUS STRUCTURAL HEART MILESTONES

- 200th transcatheter aortic valve replacement (TAVR)
- 100th Watchman®
- 50th Mitraclip™
- 50th ASD/PFO closure procedure

STRUCTURAL HEART PROCEDURES

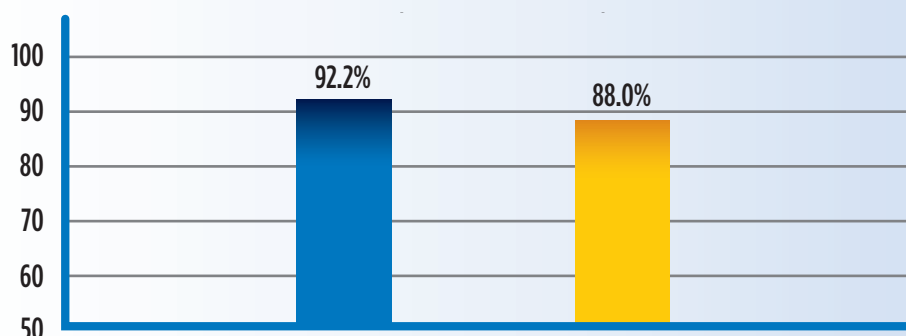




2018

● BAPTIST HEALTH CARE ● NATIONAL MEDIAN

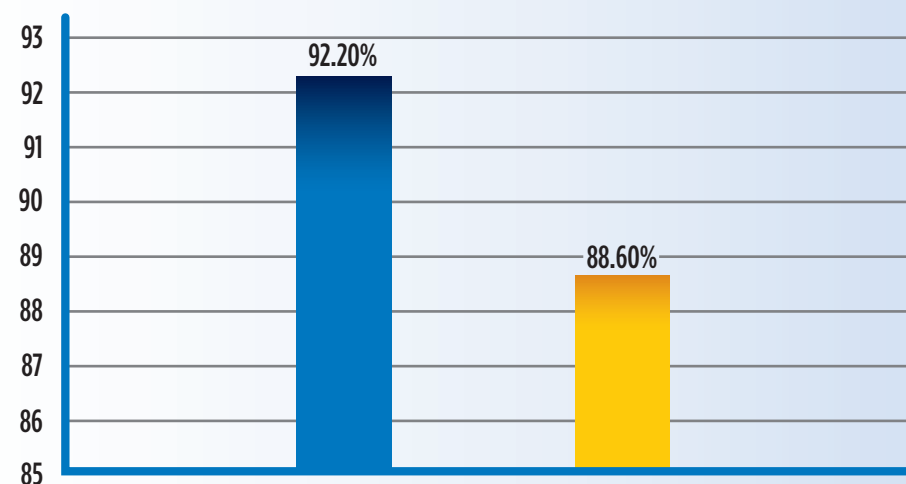
LAAC SUCCESS RATE



2018

● BAPTIST HEALTH CARE ● NATIONAL MEDIAN

**MITRALCLIP WITHOUT
COMPLICATION**



2018

● BAPTIST HEALTH CARE ● NATIONAL MEDIAN

**1-YEAR SURVIVAL RATE,
TAVR**

ELECTROPHYSIOLOGY

Working collaboratively with the team of cardiovascular specialists, our electrophysiologists use state-of-the-art medical technology combined with compassionate care to address the needs of patients with symptoms such as skipped heartbeats, rapid heartbeats, slow heartbeats or lightheadedness. Procedures performed include the pacemaker insertion, ICD insertion, Micra Pacemaker, SVT ablations, atrial fibrillation ablation, VT/PVC ablation, epicardial ablation and LINQ insertion.



4 OUT OF 4 RATING FOR ICD DISCHARGE MEDICATIONS

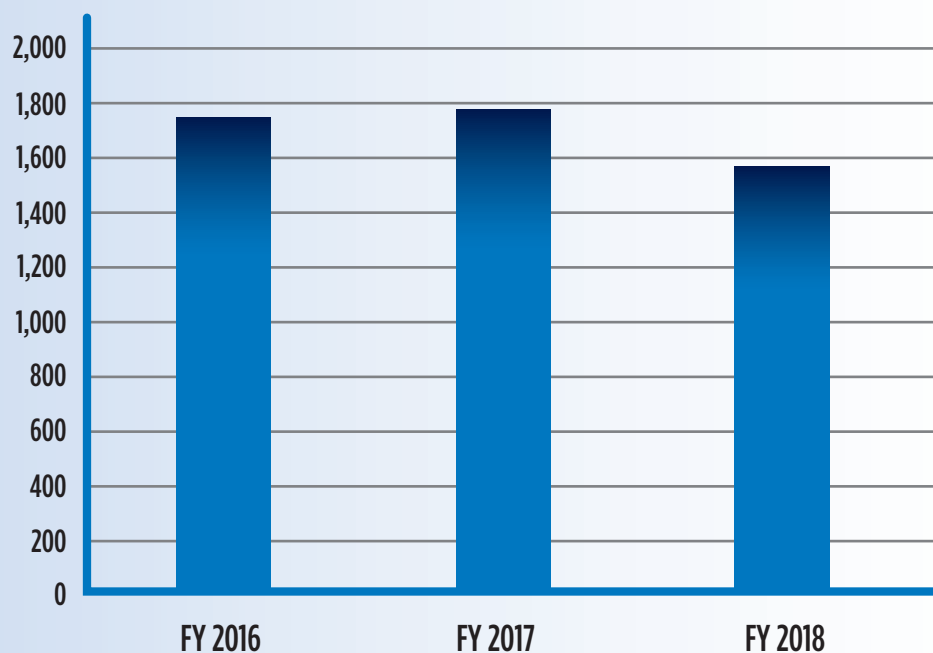
Patients should be prescribed an ACE or ARB medication and a Beta-blocker medication after receiving an ICD implant unless there is a reason not to use these medicines (such as an allergy). Use of these medications may reduce the risk of death and hospital re-admission after this procedure. This score shows how well this facility is following this guideline - higher is better. Patients who cannot take all of the recommended medicines are excluded.

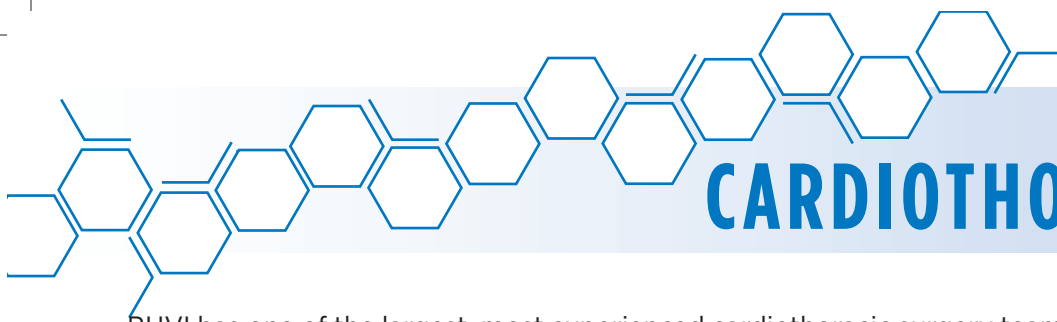
2018 OUTCOME MEASURES ICD REGISTRY

BHVI rate of success (97.8%) to place the coronary sinus/LV lead in CRT-D implants is higher than the national median (96.9%).

Source: ACC-NCDR ICC Registry™

TOTAL EP PROCEDURE VOLUME (all sites)





CARDIOTHORACIC SURGERY

BHVI has one of the largest, most experienced cardiothoracic surgery teams in the region that proudly provides leading edge surgical techniques and treatment options to the Gulf Coast — including virtually every type of cardiac surgery such as elective or emergency surgery for heart valve disease, coronary artery disease, arrhythmias, heart failure and other less common conditions.

Baptist cardiothoracic surgeons are skilled, compassionate and renowned as leaders in their field. In fact, our center's surgeons performed countless medical firsts in our region, including:

- First minimally invasive robotic heart surgery
- First minimally invasive robotic lung surgery

PROCEDURES OFFERED AT BHVI

Cardiac cases:

Coronary artery bypass on and off pump
Mitral valve repair/replacement
Minimally invasive mitral valve repair/replacement
Tricuspid valve repair/replacement
Minimally invasive tricuspid valve repair
Aortic valve replacement
Transcatheter aortic valve replacement (TAVR)
Aortic root replacement
Aorta endo stent grafts
Thoracic aortic aneurysm repair
Aorta dissection repair
Pulmonary embolectomy
Removal of cardiac mass/myxoma
Convergent ablations
Maze ablations

Thoracic cases:

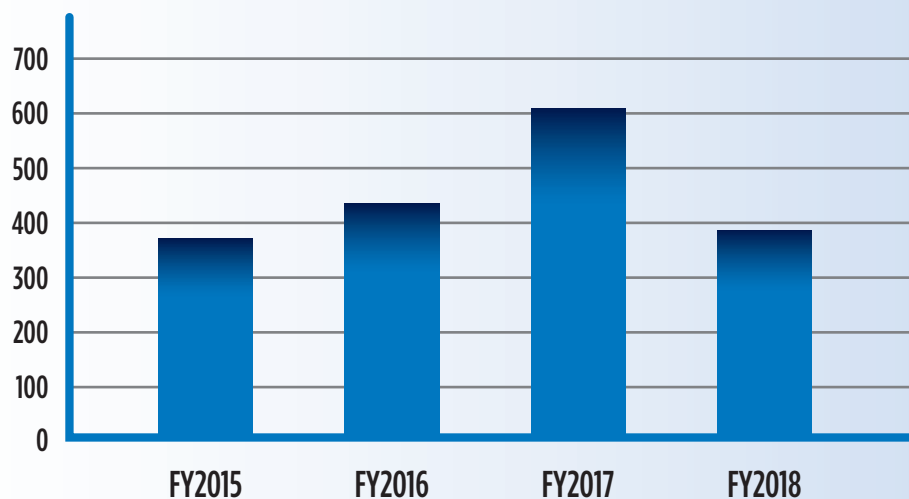
Mediastinoscopy
Thoracoscopy approach (video assisted) for biopsy, or lung resection
Robotic approach for lung biopsy, lung resection or lobectomy
Thoracotomy approach (traditional) for biopsy, lung resection, lobectomy or pneumonectomy
Resection of mediastinal tumors

All other types of lung related cases:

Blebectomy / decortication / talc pleurodesis
THE (transhiatal esophagectomy)

Vascular cases:

Carotid endarterectomy



**Cardiovascular Thoracic
Surgery Volume**

EXTRACORPOREAL MEMBRANE OXYGENATION PROGRAM



BAPTIST FIRST AND ONLY IN AREA TO OFFER ECMO

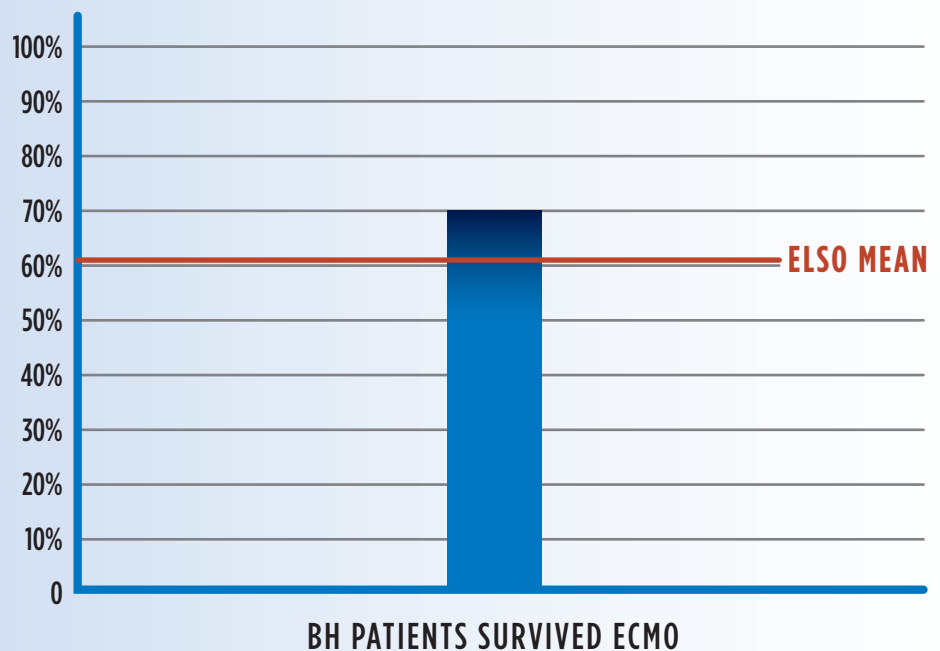
Baptist Hospital is the only facility in the area to offer extracorporeal membrane oxygenation (ECMO), an advanced treatment for patients who have life-threatening breathing and/or heart problems. ECMO provides temporary support for patients with severe conditions such as severe pneumonia, influenza, massive heart attack or massive pulmonary embolism (blood clots in the lungs). ECMO therapy is used for very ill people who do not respond to conventional therapies such as a mechanical ventilator.

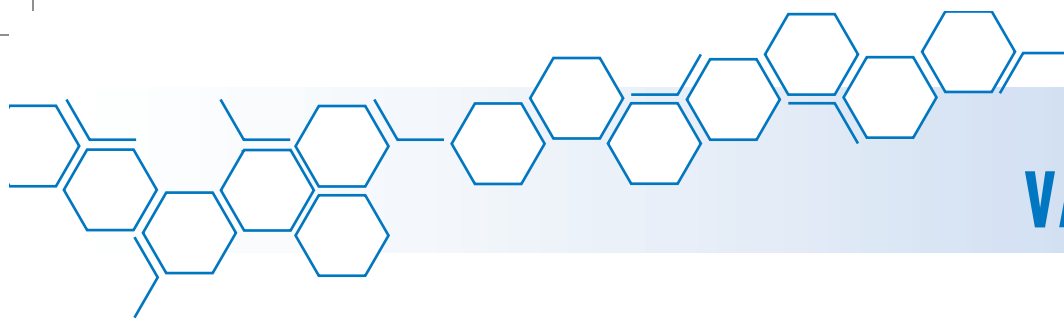
The ECMO care team is a collaboration between critical care and pulmonary physicians, cardiothoracic surgeons, interventional cardiologists, perfusionists, nurse ECMO specialists, critical care nurses and other clinical support staff.

Our ECMO leadership care team has over 30 years of experience and has cared for over 1,000 ECMO patients.



Cardiovascular Thoracic Surgery Volume





VASCULAR SERVICES

The vascular team at Baptist Health Care is dedicated to providing world-class vascular care through state-of-the-art advancements in research, surgical and interventional procedures, and clinical education. We are committed to providing compassionate, quality and expert professional medical care.

SERVICES

Vascular Medicine Clinic

- Clinical education
- Risk factor modification
- Smoking cessation
- Interventional and surgical treatment evaluation
- Diagnostic testing
- Exercise programs
- Drug therapy

Non-Invasive Vascular Laboratory

- Ankle-brachial index and exercise
- Upper and lower extremity abdominal aorta
- Venous reflux assessment vein mapping
- MR angiography
- Arterial duplex/doppler ultrasound carotid
- Venous duplex studies DVT assessment
- CT angiography

Our physicians are always available to answer questions to ensure the most appropriate vascular testing for each patient.

Invasive Diagnostic Angiography

Our invasive studies are performed in state-of-the-art peripheral catheterization laboratories using the latest technology for peripheral vascular imaging. This includes a flat panel imaging system, digital subtraction angiography, bolus chase and stepping table capability for lower extremity runoffs.

Available invasive angiographic studies include:

- Carotid and cerebral
- Aorto-renal
- Pulmonary
- Upper and lower extremity
- Mesenteric

Peripheral Vascular Intervention

Our team provides expertise in treating peripheral vascular disease, including standard angioplasty, subintimal angioplasty, directional atherectomy, and balloon and self-expanding stenting.

Available services include:

- Carotid angioplasty and stenting with embolic devices
- Renal and mesenteric intervention
- Below-knee intervention for limb salvage
- Intravascular ultrasound examination
- Aorto-iliac and infra-inguinal lower extremity intervention
- Upper extremity intervention
- IVC filter placement and foreign body retrieval
- Endovascular venous laser therapy (EVLT) for varicose veins

BAPTIST VEIN CENTER

Venous issues span a wide range of medical and cosmetic concerns including varicose veins, spider veins and venous insufficiency.

Our vein center offers a variety of therapeutic treatments including:

- Endovascular laser treatment
- Sclerotherapy
- Microphlebectomy

CARDIOPULMONARY REHAB



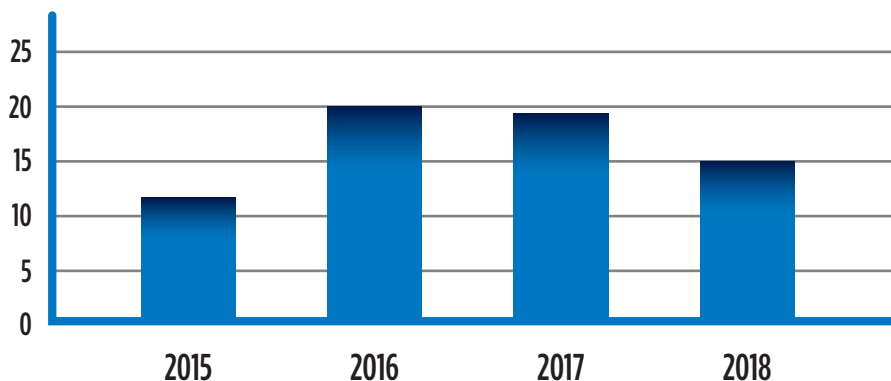
The Baptist Heart & Vascular Institute's cardiovascular rehabilitation program earned a certification by the American Association of Cardiovascular and Pulmonary Rehabilitation (AACVPR). AACVPR-certified programs are recognized as leaders in the field.

CARDIOVASCULAR RESEARCH

BHVI is committed to research and development for the enhancement of our patients. One of BHVI's first studies in 2018 was to focus on re-admissions for congestive heart failure; we began participation in several heart failure studies. One was a registry evaluating two heart failure quality improvement initiatives compared with usual care on heart failure outcomes in the year following discharge. Baptist Hospital was randomized to the direct health system engagement strategy that involves national faculty mentorship and regional multidisciplinary teams to help design and improve our quality improvement plans. Another congestive heart failure study was determining the efficacy and safety of IV iron therapy relative to placebo in the treatment of participants in heart failure with a reduced ejection fraction and iron deficiency.

The research department also recruited subjects for a hypertriglyceridemia study. The primary objective was to assess whether treatment with the study drug would prevent myocardial infarction, ischemic stroke, unstable angina requiring revascularization and cardiovascular death in adults with type 2 diabetes who have elevated triglycerides and low HDL-C. Another study we participated was evaluating the potential of a CETP inhibitor to reduce cardiovascular morbidity and mortality in subjects with a documented recent acute coronary syndrome (ACS) and the AA genotype. Finally, our research department also recruited subjects for a device detected sub-clinical atrial fibrillation (SCAF) study. SCAF was recognized due to the availability of implanted cardiac devices capable of long term continuous heart rhythm monitoring. We are honored to be involved in these studies to continue our Mission of helping people throughout life's journey.

Number of Studies

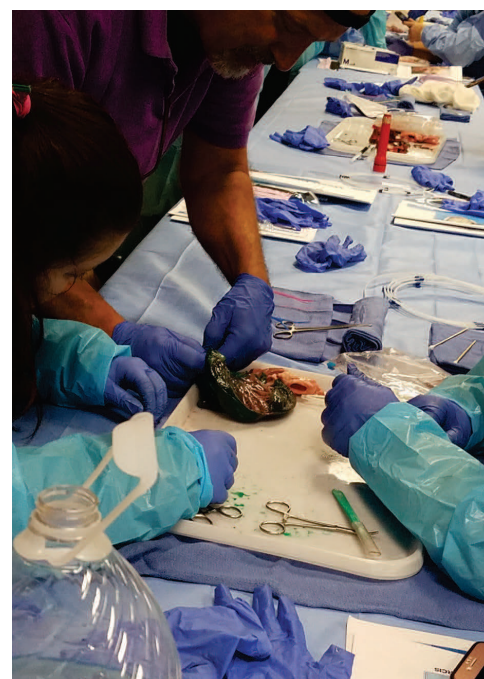




CARDIOVASCULAR EDUCATION AND OUTREACH

Baptist Heart & Vascular Institute (BHVI) hosted several events in February, American Heart Month, to help educate our community about the importance of heart health. Team members showed support on Feb. 2, by wearing red t-shirts and clothing on National Wear Red Day, a day that promotes heart disease awareness. On Feb. 3, The Love Your Heart Cordova Mall event welcomed large crowds visiting the Baptist booths for health screenings, fitness tips, wellness education and a walk through The MEGA Heart™ exhibit. On Feb. 23, BHVI held its third annual Cardiovascular Symposium. This free educational event included speakers sharing new advances in heart health and technology. Local media covered stories at Baptist ranging from eating and exercise tips to expectations for a stress test. In September team members from BHVI participated in the American Heart Association's Heart Walk in Seville Square on Sept. 22. Their support helps fight and bring awareness to heart disease and stroke in our community.

Our education department also provided heart health education at several community events including the Macedonia Community Health Fair in August, Airport EDU and the BHC-sponsored Community Heart Dissection education lab in September.



ORDER FACILITATOR

A Guide to Referring Your Patients

To schedule an appointment or make a referral:

- Use Order Facilitator: Choose Cardiology Consultants
- Call our main scheduling line: 850.484.6500
- Fax: 850.857.1747

Order Facilitator is a free electronic referral system available to any medical practice. To learn more or to have your account activated, contact 850.434.4672 or 850.437.8809 (F).

FOR MORE INFORMATION

ebaptisthealthcare.org/heart

850.484.6500

ABOUT BAPTIST HEALTH CARE

Baptist Health Care is a community-owned, not-for-profit health care organization based in northwest Florida that is committed to helping people throughout life's journey. The organization is a proud member of the Mayo Clinic Care Network. A 2003 Malcolm Baldrige recipient, Baptist continuously strives to be a national leader in quality and service. Baptist Health Care includes three hospitals, four medical parks, Andrews Institute for Orthopaedic & Sports Medicine, Lakeview Center and a large network of primary care and specialty physicians. With more than 6,500 employees and employed physicians, Baptist Health Care is the second largest non-governmental employer in northwest Florida.



A HEART FOR LIFE
GET BACK TO THE THINGS YOU LOVE™



1000 West Moreno St.
Pensacola, FL 32501

Phone: 850.484.6500