

UPMC HARRISBURG

CARDIAC SURGERY

Outcomes and Highlights



UPMC | HEART AND VASCULAR INSTITUTE

A photograph of four men in professional attire standing in front of the Brady Hall at UPMC Brady Medical Building. The men are arranged in two rows: three in the back and one in the front. The building's name 'BRADY HALL' is visible on the wall above them. To the left, a purple sign reads 'UPMC BRADY MEDICAL BUILDING' and '205 S. Front St.'. The background shows a brick wall and a glass entrance with 'UPMC' logos.

UPMC
BRADY MEDICAL
BUILDING

205 S. Front St.

**THANK YOU
FOR CHOOSING THE
UPMC HEART AND
VASCULAR INSTITUTE**

The UPMC Heart and Vascular Institute provides advanced, comprehensive cardiovascular care right here in central Pa. Our dedicated team of cardiac surgeons are nationally renowned for their expertise in treating the full spectrum of heart disease. Receiving the highest rating of three stars by the Society of Thoracic Surgeons (STS), we consistently achieve outstanding outcomes and clinical excellence.

Left to right: Mubashir Mumtaz, MD; David Loran, MD; Nathaniel Melton, MD; Ahmad Abrishamchian, MD

SERVICES WE OFFER

We offer a range of cardiac surgery procedures, including minimally invasive and advanced hybrid procedures. These include:

Cardiac Surgeries:

- Coronary artery bypass graft (CABG) surgery
 - > Robotic-assisted surgery
- Valve surgery
 - > Minimally invasive/intercostal Surgical Valve Replacement (iSVR)/right chest procedures
 - Aortic Valve
 - Mitral Valve
 - Tricuspid Valve

Aneurysm Surgeries:

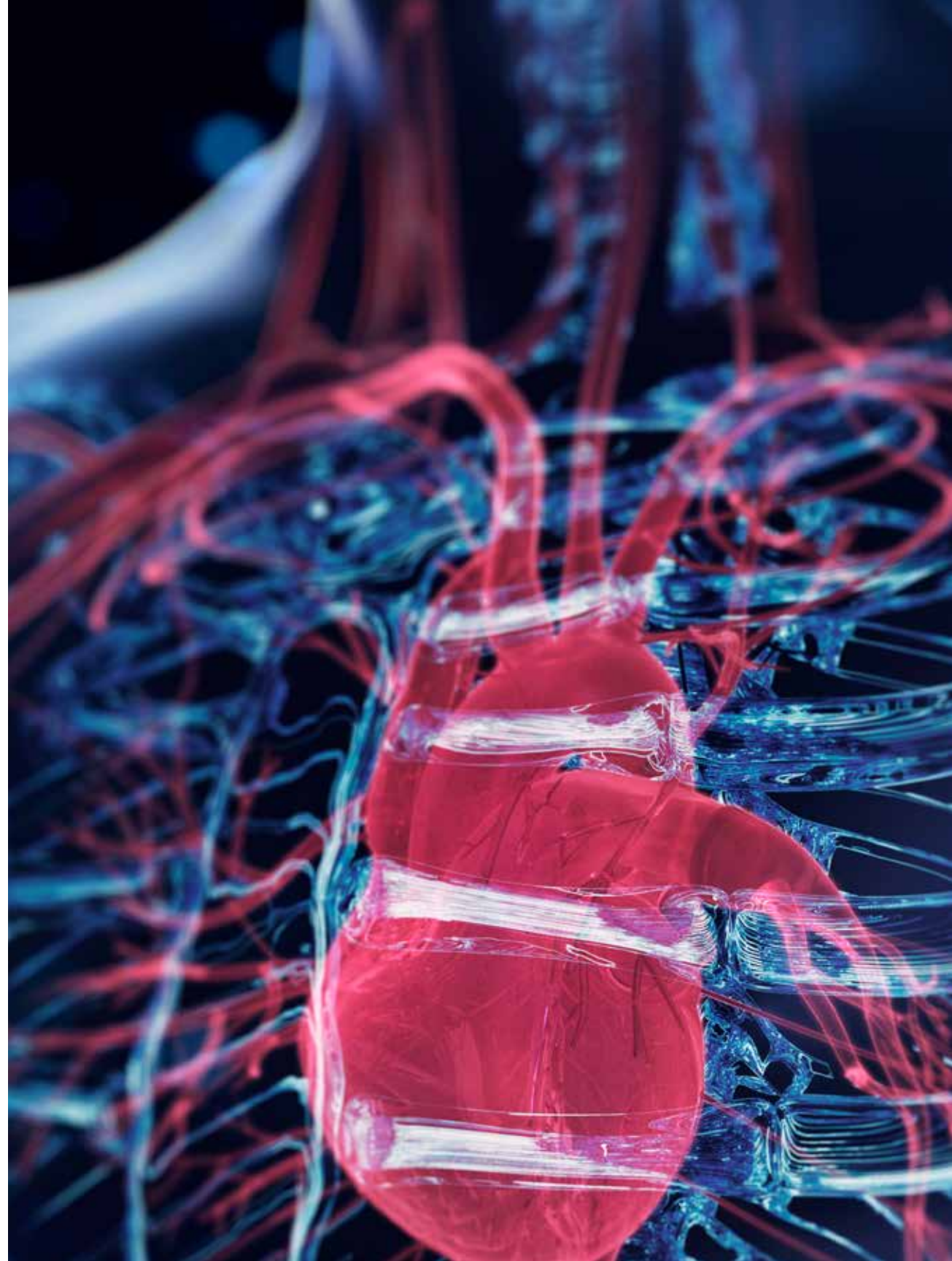
- Abdominal Aortic Aneurysm (AAA)
 - > Minimally invasive endovascular aneurysm repair (EVAR)
- Thoracic Aortic Aneurysm (TAA)
 - > Minimally invasive thoracic endovascular aneurysm repair (TEVAR)

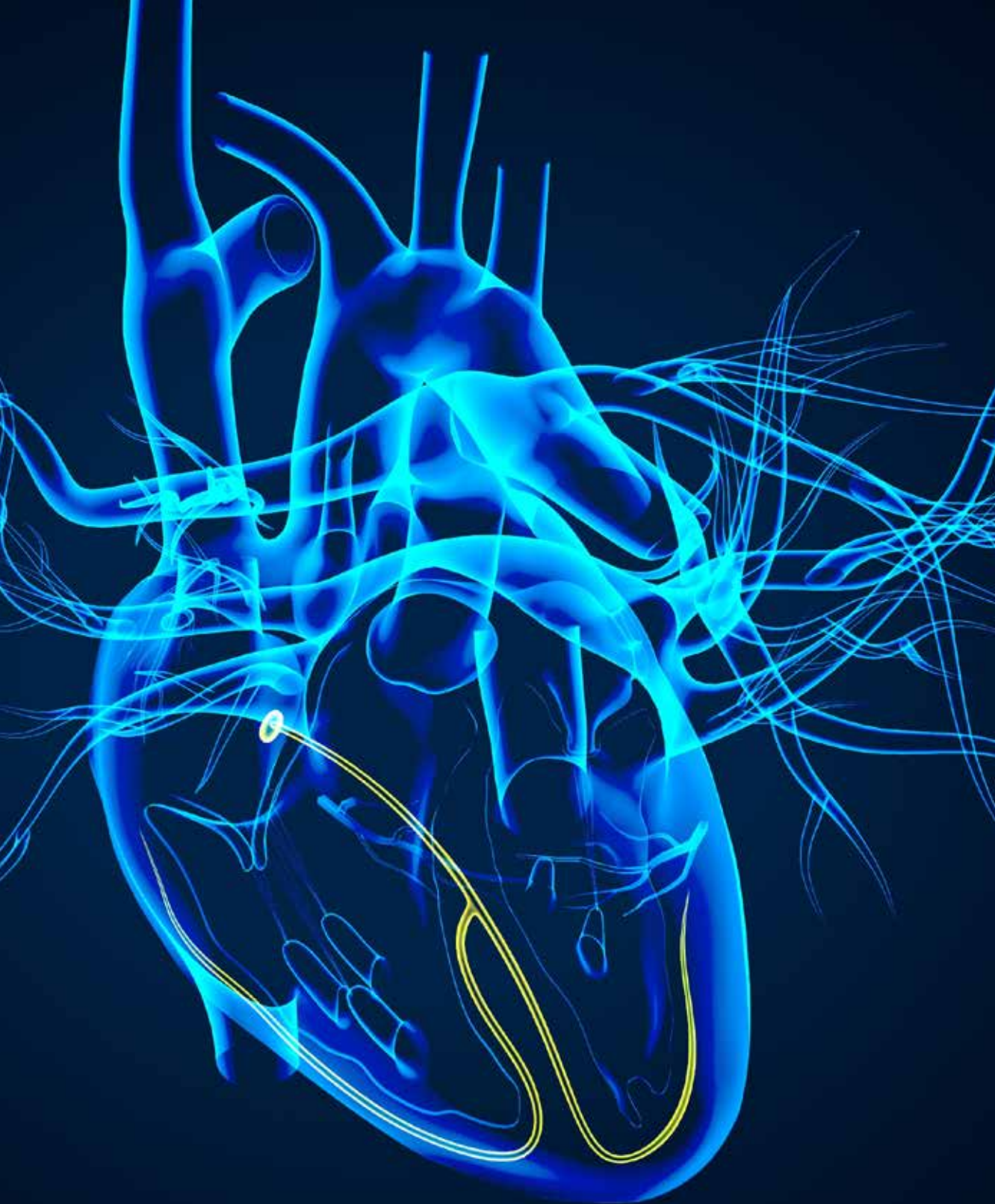
Surgeries to treat:

- Atrial Fibrillation
 - > Hybrid (or Convergent) procedure
 - > MAZE procedure
- Hypertrophic Obstructive Cardiomyopathy
- Pericarditis

Structural Heart Procedures

- Transcatheter procedures
 - > Aortic (TAVR)
 - > Mitral (TMVR)
 - > MitraClip™
 - > Tricuspid (TTVR)
 - > Atrial Septal Defect (ASD)
 - > Ventricular Septal Defect (VSD)
 - > Patent Foramen Ovale (PFO) closure
- Atrial Fibrillation procedures
 - > Left Atrial Appendage Occlusion (LAAO) devices
 - Watchman™ and Amulet™
 - > Ablation
 - Cryoablation and Pulsed Field Ablation (PFA)





WHY CHOOSE UPMC FOR YOUR PATIENT'S HEART CARE?

As one of the largest and most experienced cardiovascular programs in the region, our team at the UPMC Heart and Vascular Institute is home to experts in all areas of cardiovascular care, including cardiac surgery and structural heart experts. Our combined experience, leading-edge technology, and collaborative approach allow us to provide our patients with access to the most advanced treatment options, including innovative clinical trials. We achieve outstanding clinical outcomes and milestones that have awarded our program top recognition by prestigious national forums, such as a three-star rating, the highest rating possible, from The Society of Thoracic Surgeons (STS) in three out of five total categories for patient care.

OUR OUTCOMES

SURGICAL AORTIC VALVE REPLACEMENT OUTCOMES JAN. 2021 TO DEC. 2023

| Surgical Aortic Valve Replacement Outcomes | UPMC Harrisburg | STS National Average |
|--|-----------------|----------------------|
| Deep Sternal Wound Infection | 0% | 0.14% |
| Major Complication/Mortality | 9.58% | 10.15% |
| Prolonged Ventilation > 24 hours | 4.10% | 6.13% |
| Post Op Renal Failure | 1.40% | 1.99% |
| Re-Operation | 2.73% | 3.79% |

TRANSCATHETER AORTIC VALVE REPLACEMENT OUTCOMES JAN. 2021 TO DEC. 2023

| Transcatheter Aortic Valve Replacement Outcomes | UPMC Harrisburg | STS National Average |
|---|-----------------|----------------------|
| Significant Cardiac Event | 0.50% | 0.60% |
| Observed Mortality | 0.50% | 0.70% |
| Bleeding | 0.90% | 1.00% |
| New Permanent Pacemaker | 2.10% | 6.10% |
| Acute Kidney Injury | 0.00% | 0.00% |

STS ADULT CARDIAC SURGERY STAR RATINGS - UPMC HARRISBURG

| | |
|-----------|------|
| CABG | ★★★★ |
| AVR | ★★★★ |
| AVR+CABG | ★★★★ |
| MVRR | ★★★★ |
| MVRR+CABG | ★★★★ |

CABG (coronary artery bypass graft), AVR (aortic valve replacement), MVRR (mitral valve repair & replace)
1/1/2021 - 12/31/2023

Highest rating ★★★★★

DATA FROM THE PHC4 CARDIAC PROCEDURES REPORT JULY 2024

| Procedure | Total Number of Cases | Mortality | Readmission | Extended Postoperative Length of Stay |
|---|-----------------------|-----------|------------------------------------|---------------------------------------|
| Coronary Artery Bypass Graft (CABG) | 618 | ○ | 7-Day: ○ 30-Day: ○ 90-Day: ○ | ○ |
| Surgical Aortic Valve Replacement (SAVR) | 157 | ○ | 7-Day: ○ 30-Day: ○ 90-Day: ○ | ○ |
| Surgical Aortic Valve Replacement (SAVR) with Coronary Artery Bypass Graft (CABG) | 92 | ○ | 7-Day: ○ 30-Day: ○ 90-Day: ○ | ○ |
| Transcatheter Aortic Valve Replacement (TAVR) | 691 | ○ | 7-Day: ○ 30-Day: ○ 90-Day: ○ | ○ |

○ = Rate was significantly lower than expected
 ○ = Rate was not significantly different than expected
 ● = Rate was significantly higher than expected

REFER A PATIENT

We are available to discuss your patient's case and will collaborate with you to determine the best treatment plan. Our team maintains open communication throughout each stage of the referral process.

When you refer a patient to the UPMC Heart and Vascular Institute, they will receive:

- **Thorough evaluation and treatment with our experienced team of nurses, APPs, and physicians.**
- **Personalized care with insight from cardiac surgeons, cardiovascular imaging specialists, structural interventional cardiologists, and APPs.**
- **Access to the latest advances in cardiovascular care, including new devices through clinical trials.**
- **A dedicated team to answer questions, efficiently schedule individualized testing, and provide a streamlined coordination of care.**

To contact our program, or refer a patient, call [717-231-8555](tel:717-231-8555).





Brady Building

205 S. Front St., Fourth Floor
Harrisburg, PA 17104

Outpatient Services at UPMC Memorial

1703 Innovation Drive, Suite 4120
York, PA 17408

[UPMC.com/CentralPaHeart](https://www.upmc.com/CentralPaHeart)

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