
**University of
Colorado Hospital**
ANSCHUTZ MEDICAL CAMPUS
*An enduring PASSION for EXPLORATION
in the pursuit of NEW DISCOVERIES.*
CARDIACEXPLORERS.COM

CARDIOLOGY OUTCOMES

2011

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The University of Colorado Hospital Difference...

No other hospital in the region can offer the wide range of cardiovascular services offered at University of Colorado Hospital. What that means is a more comprehensive, collaborative level of care resulting in better outcomes. The formula is simple... when you put all the heart experts in one place, it raises the quality of care, and the proof is in the data.

The Cardiac and Vascular Center at University of Colorado Hospital is home to some of the best programs in the country. As an academic medical center, patients have access to the latest technologies, clinical trials, and medical treatment available.

With 12 cardiovascular specialties under one roof, lead by experts in varied subspecialties, the cardiovascular team at University of Colorado Hospital is trailblazing a higher standard of care... every day.

Heart TRANSPLANTS & mechanical heart SUPPORT

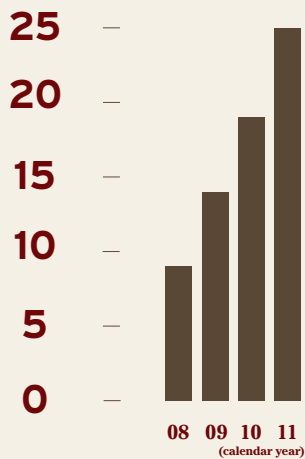
The heart transplant program at the University of Colorado Hospital is the only center of its kind on the front range of the Rocky Mountains, spanning from the Canadian border to the Mexican border, serving patients from Montana, Wyoming, Colorado, New Mexico, as well as western Nebraska and Kansas. It is also one of the oldest transplant programs in the nation, completing 340 transplants in adults and children since opening in 1988.

Nearly 90 percent of patients who receive a heart transplant at UCH are still alive in three years, compared with a national average of 80 percent.

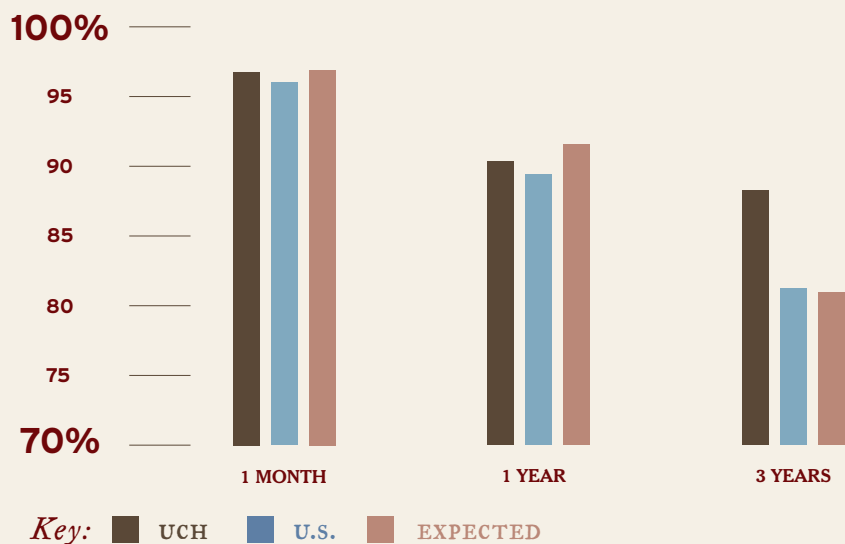
Other important facts about the UCH heart transplant program:

- ALOS from transplant to discharge is 14 days.
- Current research includes the use of next generation mechanical support devices, effects of new drugs that reduce rejection rates and techniques to make better use of donor hearts.

LVAD VOLUME



PATIENT SURVIVAL AFTER HEART TRANSPLANTATION



CORONARY & STRUCTURAL Intervention

The University of Colorado Hospital has become a national leader in percutaneous and surgical management of structural heart disease, treating the largest patient population in the Rocky Mountain region and becoming one of the unique luminary centers nationwide.

Signature components of this long-standing program with more than 1,000 patients already treated with unique transcatheter structural heart therapies include the following specific procedures: percutaneous closure of PFO, ASD, VSD, PDA, aortic pseudoaneurysm, intracardiac fistuli,

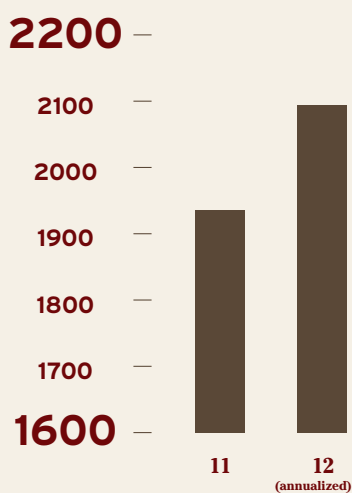
and perivalvular leaks as well as mitral/pulmonic/tricuspid/aortic balloon valvuloplasty, aortic coarctation stenting, and left atrial appendage occlusion. The hospital is currently offering three new percutaneous valve procedures:

- Sapien Transcatheter Aortic Valve Replacement (TAVR): One of approximately 60 sites to have completed training in early 2012 and one of approximately 200 centers nationwide that will eventually use this revolutionary FDA-approved non-surgical therapy for patients with

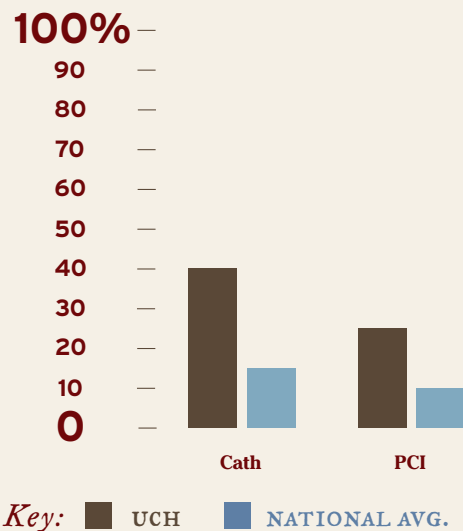
severe aortic stenosis who are not eligible for surgery

- Melody Valve Transcatheter: The pediatric and adult cardiologists at UC Denver have implanted 20 Melody Valves in children and adults with severe dysfunction of the RVOT/pulmonary trunk since the program was initiated in 2010.
- MitraClip: UCH is one of 37 US sites offering this investigative mitral valve repair delivered transcatheter to qualifying patients with severe mitral regurgitation

CATH LAB VOLUMES

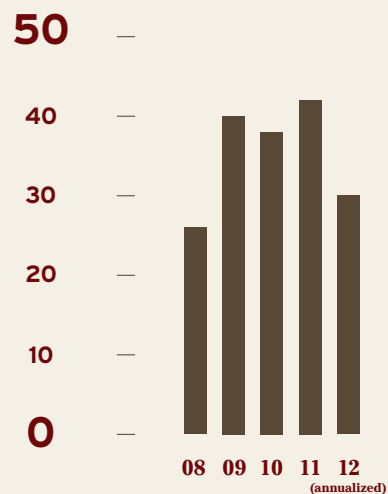


RADIAL CATH PROCEDURES



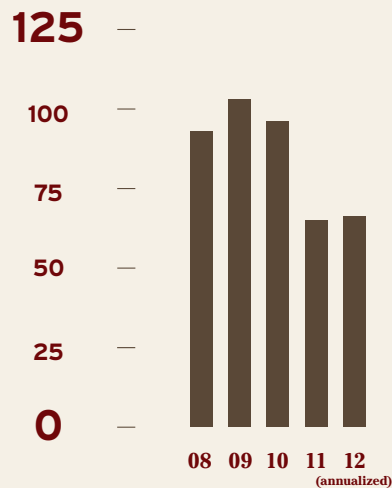
PERCUTANEOUS VALVE REPAIR VOLUME

(Valvular Interventions)



STRUCTURAL HEART VOLUME

(PFO/ASD/VSD Closures)



Radial access caths improve outcomes

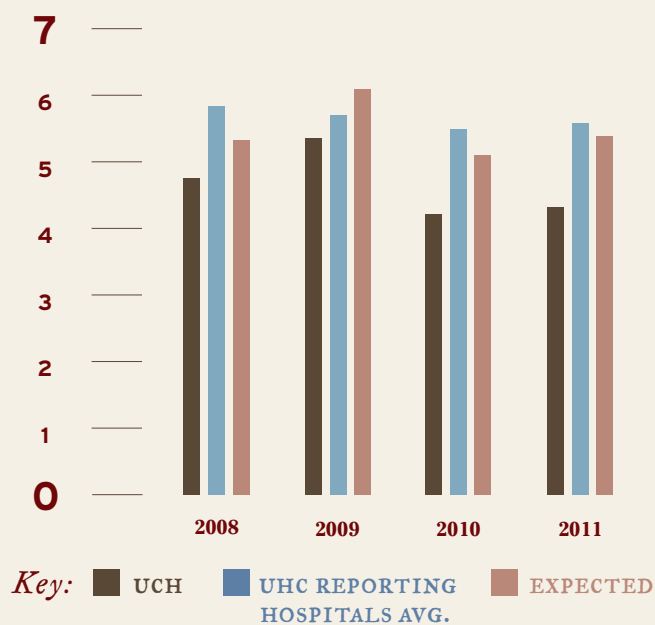
Cardiologists at the University of Colorado Hospital used radial artery access in more than 40 percent of catheterization procedures in eligible patients during the past 12 months. The team also used this approach in more than 25 percent of PCI procedures. Nationally, the rates of radial access are between 10 percent and 15 percent for all catheterization and PCI procedures.

The increased use of radial access has resulted in improve patient satisfaction, while procedural costs and complications have significantly dropped, according to National Cardiovascular Data Registry (NCDR) CathPCI clinical outcomes data.

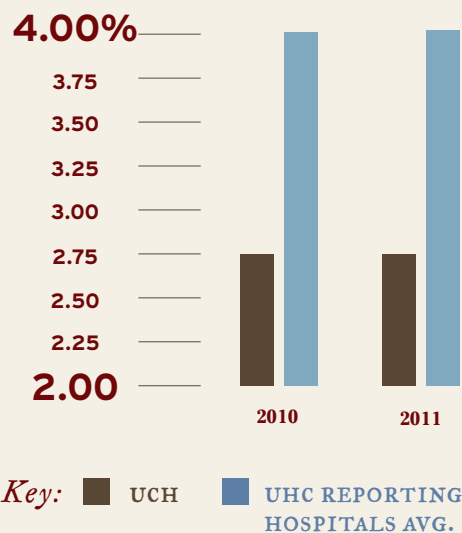
Core CARDIAC QUALITY OUTCOMES measures

UCH is a national leader in cardiac quality outcomes. Data below and to the right shows reduced length of stay and readmission rates for AMI and heart failure.

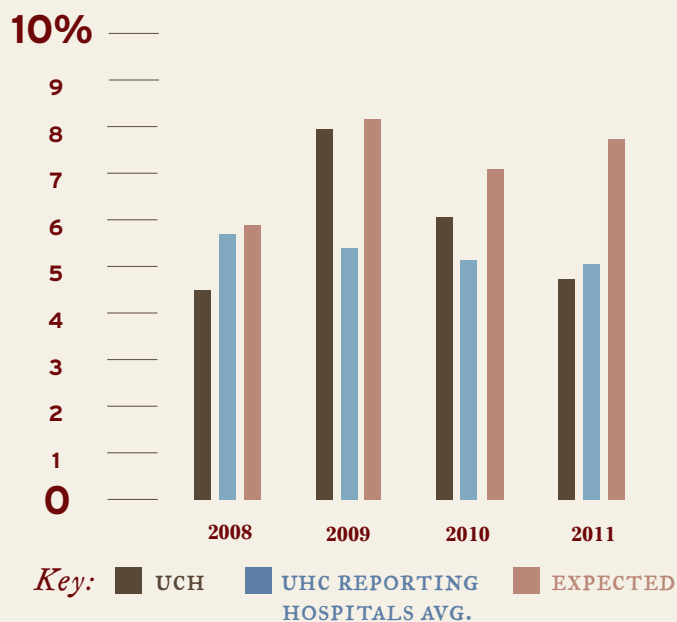
AMI LENGTH OF STAY (DAYS)



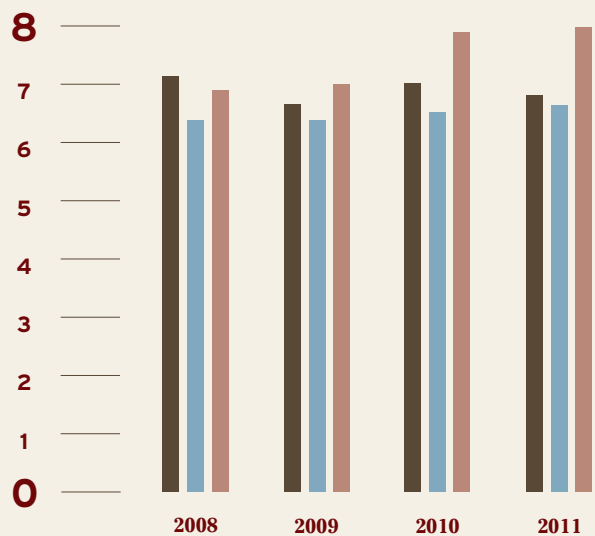
READMISSION: AMI



AMI MORTALITY

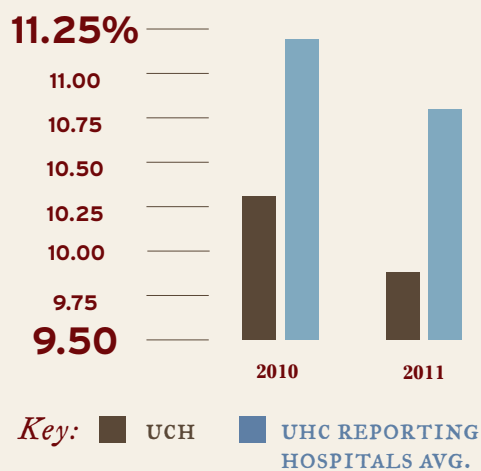


HEART FAILURE LENGTH OF STAY (DAYS)



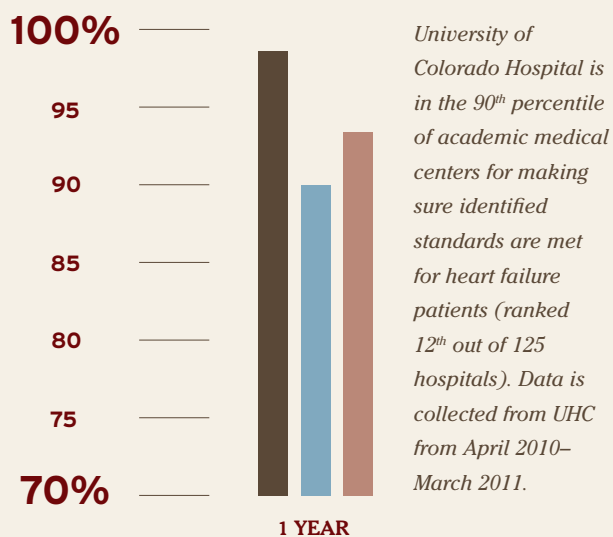
Key: UCH UHC REPORTING HOSPITALS AVG. EXPECTED

READMISSION: HEART FAILURE



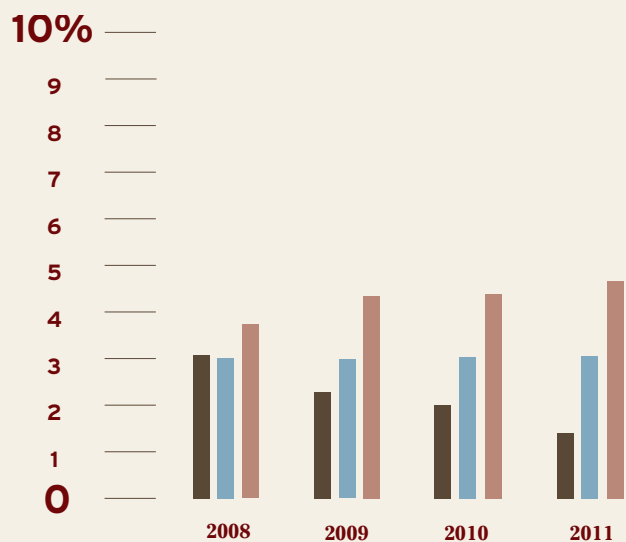
Key: UCH UHC REPORTING HOSPITALS AVG.

HEART FAILURE CORE MEASURES



Key: UCH U.S. UHC REPORTING HOSPITALS AVG.

HEART FAILURE MORTALITY



Key: UCH UHC REPORTING HOSPITALS AVG. EXPECTED

Cardiac ELECTROPHYSIOLOGY

The Best HEART RHYTHM CARE in the REGION

UCH EP Physicians have the safest outcomes related to ablation of complex arrhythmias.

- Major complications during or after AF ablation 0.4% at UCH vs. 4.5% worldwide
- Major complications during or after VT ablation 1.3% at UCH vs. 5.7% worldwide
(Reference: Modi S and Skane AC, Heart Rhythm 2011)

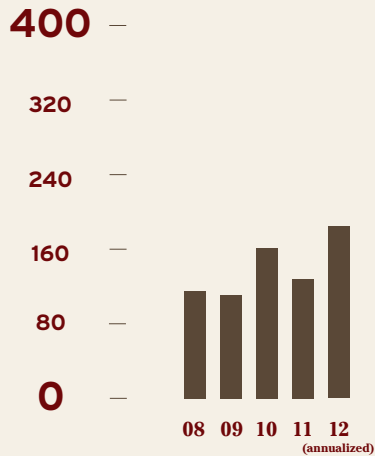
UCH Physicians have a record of high success with ablation of paroxysmal and persistent atrial fibrillation.

- Freedom of AF after a single procedure 84% at UCH vs. 62% worldwide
(Reference: Cappato R., et al, Circulation: Arrhythmia and Electrophysiology 2010)

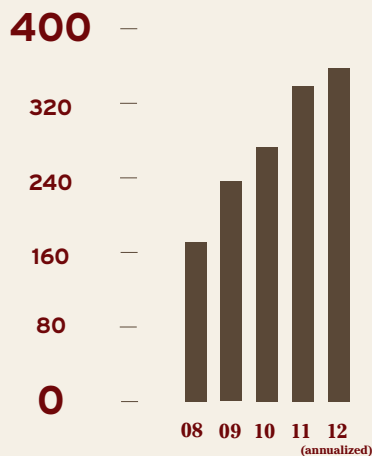
UCH EP Physicians convert failures into successes.

- 98% of patients referred for an arrhythmia ablation after a previously failed attempt are successfully ablated at UCH

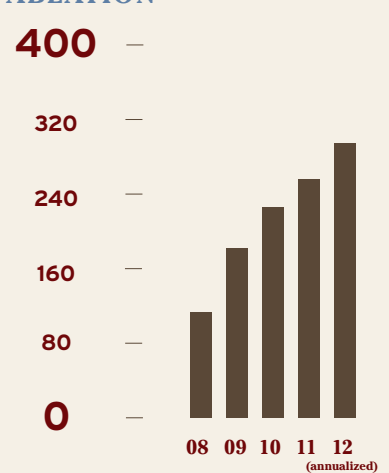
ICD IMPLANTATION



EP STUDY



ABLATION





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UNIVERSITY OF COLORADO HOSPITAL is the Rocky Mountain region's *LEADING ACADEMIC MEDICAL CENTER*. It is recognized as the highest-performing academic hospital in the United States for delivering quality health care by the University HealthSystem Consortium, and is ranked as the best hospital in the Denver metro area and one of the best in the country by U.S. News & World Report. UCH is best known as an innovator in patient care and often as one of the first hospitals to bring new medicine to the patients' bedside. The hospital's physicians are affiliated with the University of Colorado School of Medicine, part of the University of Colorado system. Based on the expansive Anschutz Medical Campus in Aurora, CO, the hospital is where patient care, research and education converge to establish the future of health care delivery.

