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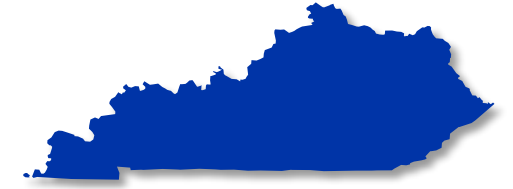


PROGRAMMATIC GROWTH – CARDIOVASCULAR HEALTH SERVICE LINE

THE MISSION OF UK HEALTHCARE

Committed to serving the **entirety** of the Commonwealth of Kentucky

This includes **commitment to the pillars of academic health care** — research, education and clinical care, **dedication to improving the health of the people of Kentucky** by providing advanced health care, serving as an information resource and **strengthening local health care by partnering** with community hospitals and physicians.



ADVANCING KENTUCKY

ADVANCED CARE



Advance subspecialty care for Kentucky and beyond while maintaining a focus on quality, access and value

TAKING CARE OF OUR PEOPLE AND OUR PARTNERS



Comprehensive care strategy for our employees, the immediate neighborhood, and our partners across the Commonwealth

DISTINCTION



An academic health system with aligned clinical care, research and education of seven health-related colleges

EXAMPLES OF PROGRAMMATIC AREAS OF KENTUCKY

BEHAVIORAL AND
MENTAL HEALTH

CANCER

CARDIOVASCULAR
HEALTH

DIABETES AND
OBESITY

GASTROENTEROLOGY-
ENDOSCOPY

MUSCULOSKELETAL

NEUROLOGY

PEDIATRICS

PRIMARY CARE

SUBSTANCE USE
DISORDER

TRANSPLANT

TRAUMA

WOMEN'S HEALTH

Our Vision



ADVANCED CARE

Position UK HealthCare as a national leader so Kentuckians do not have to leave the Commonwealth for cardiovascular care



TAKING CARE OF OUR PEOPLE AND OUR PARTNERS

Leverage our statewide network and support our community partners to provide excellent care close to home



DISTINCTION

Prepare for future growth and demand in cardiovascular services by drawing on a coordinated, transdisciplinary team approach

What is a Service Line?

Service line, defined:

- A service line is a specific grouping or population of “like” patients and is based on patient encounter attributes such as:
 - Inpatient versus outpatient
 - Major Disease Categories (MDCs)
 - Diagnosis Related Groups (DRGs)
 - ICD procedure codes
 - Healthcare Common Procedure Coding System (HCPCS) codes
- Service line management is patient-centered care related to a specific area of clinically-related conditions or procedures integrated across a system of care.

Why a cardiovascular health service line and why now?

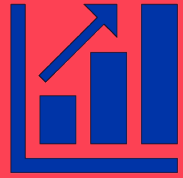
Our overall objective is to establish a service line **committed to improving the cardiovascular health and outcomes of all Kentuckians** both now and in the future.

- A patient-centric approach
- Emphasize coordinated patient care across disciplines
- Full translational spectrum of care from prevention to screening to treatment
- Draw on a transdisciplinary team approach
- Focus on quality/safety, access, patient experience and cost efficiency
- Align talent and infrastructure support under one shared unit that brings multiple silos together
- Champion the recruitment and retention of exceptional providers and staff

PROGRAMMATIC GROWTH — CARDIOVASCULAR HEALTH SERVICE LINE

Advanced Care

Kentucky's need for advanced cardiovascular care continues to grow.



**12.4% of adults reported
Coronary Heart Disease,
Heart Attack or a Stroke**

3% higher than U.S. average

4th highest in the nation

#1 cause of death in Kentuckians

**UK HealthCare Percentage of Highly
Complex Inpatient CV Cases
(Tertiary/Quaternary Discharges)**

2017

2024

27% of 4,076

34% of 4,264

Focus Areas for Programmatic Growth:

- Data-driven subspecialty expansion.
- Focus on improving Vizient and U.S. News & World Report rankings in cardiovascular-related diseases and procedures.
- Provide a rich environment to support educational opportunities and research growth.

PROGRAMMATIC GROWTH — CARDIOVASCULAR HEALTH SERVICE LINE

Examples of Cardiovascular Services

Services



- Anticoagulation Clinic
- Cardiac Rehabilitation
- Consultative Cardiology
- Heart Failure Program
- Lipidology - Hypercholesterolemia Management
- Outreach and Screening
- Stress Testing
- Outreach and Screening
- Wellness Program
- Arrhythmia Clinic
- Chest Pain Center
- Clinical Research Participation
- Heart Failure Clinic with VAD Follow Up
- Pacemaker/ICD/CRT
- Registry Participation
- Valve Clinic
- Wound Care Clinic
- Open vascular and endovascular procedures
- Registry Participation
- Wound Care Clinic
- Adult Congenital Heart Program
- Mechanical Circulatory Support
- Pulmonary Hypertension
- Research - NIH/AHA Sponsored
- Structural Heart Programs (Multidisciplinary)
- VAD
- Genetic Screening
- Pulmonary Hypertension
- Research - NIH/AHA Sponsored
- **Cardiac Transplant**

Talent



- Cardiac Imaging Specialist (Level 2)
- Cardiac Rehab Nurse and/or Therapist
- Medical Cardiologist
- Cardiac Imaging Specialist (Level 3)
- Cardiothoracic Surgeon
- Cardiovascular Physician Assistant/Nurse Practitioner
- Electrophysiologist
- Interventional Cardiologist
- Interventional Radiologist
- Cardiovascular Physician Assistant/Nurse Practitioner
- Vascular Surgeon
- Cardiac Nurse Navigator
- Cardiologist and Cardiothoracic Surgeon with Advanced Training
- Genetic Counselor
- Pediatric Cardiologist and Cardiothoracic Surgeon
- Structural Heart Specialists

Technology

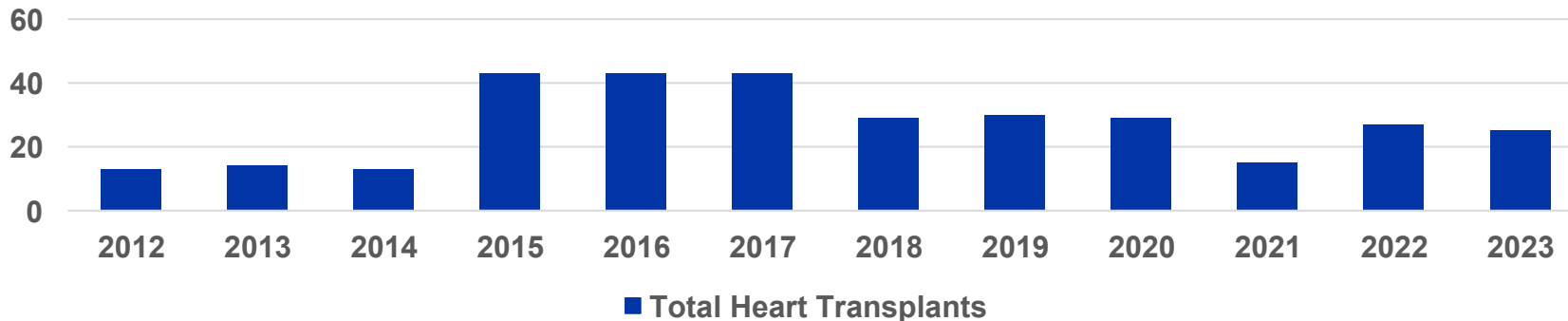


- ECG
- Holter Monitoring
- Nuclear/SPECT
- PACS
- Remote Monitoring
- Vascular Lab (Ultrasound, Duplex scan)
- PACS (Picture Archiving and Communication Systems)
- Vascular Lab (Ultrasound, Duplex scan)
- Cardiac MRI
- Coronary CTA
- Intracardiac Echocardiography
- Intravascular Ultrasound
- 3D Cardiac mapping system
- Cardiac PET
- Hybrid OR (Operating Room)

Cardiac Transplant

- Current and future recruitment efforts
- Implementation of the cardiovascular health service line to help align the coordination of patient care across the cardiology/heart failure and transplant teams
- Access to new advanced technologies to meet patient care needs

Total Heart Transplants



MATTHIAS LOEBE, MD

Heart and Lung Transplant







MASASHI KAWABORI, MD

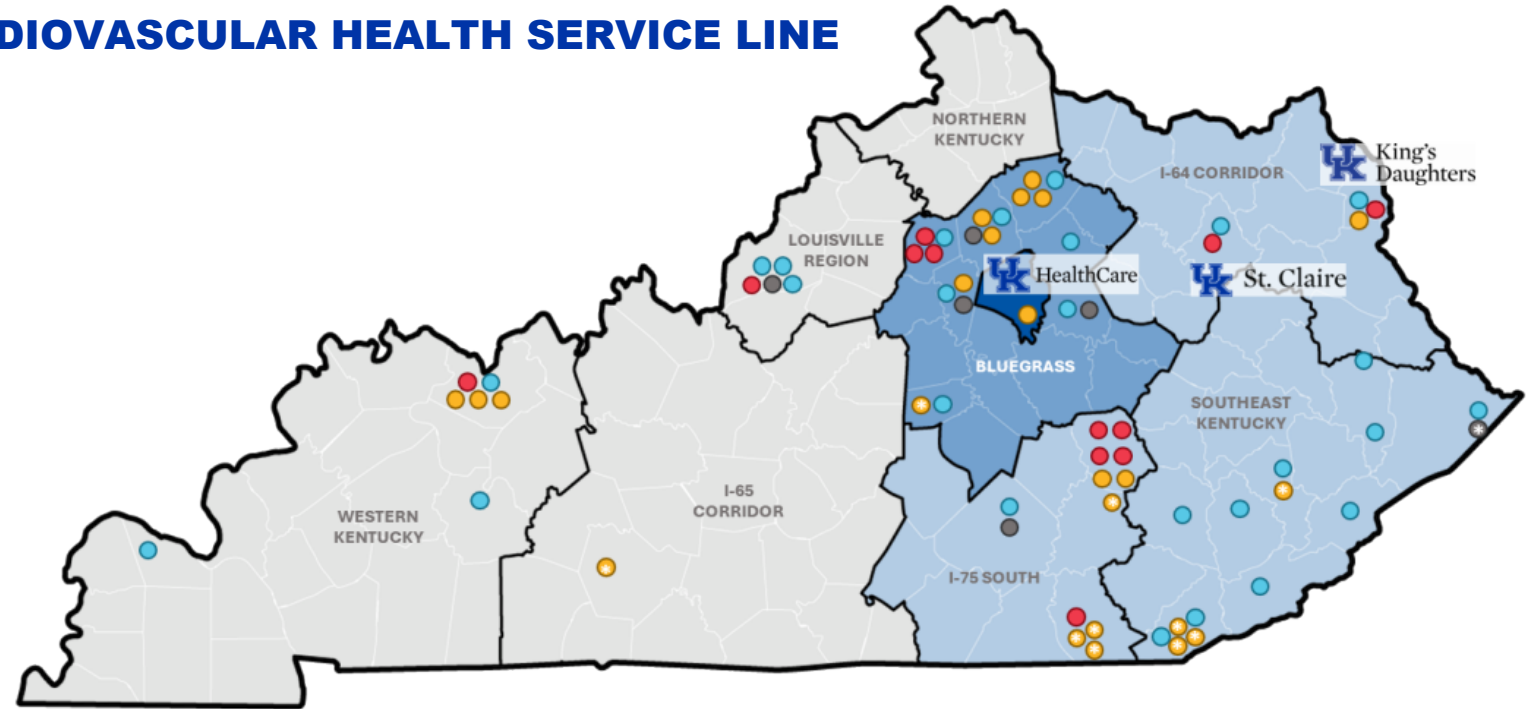
Heart and Lung Transplant

PROGRAMMATIC GROWTH — CARDIOVASCULAR HEALTH SERVICE LINE

Taking Care of Our People and Our Partners

Key

	Gill Affiliate Network (GAN) Site
	Cardiology Outreach Clinic Location
	Advanced Imaging Support Services
	PSA / CSA**
*	In Planning Process
Local Market (Fayette and Bluegrass)	
Eastern Kentucky Regions	
All Other Kentucky Regions	



Focus Areas:

- Improve access.
- Coordinate communication and streamline point of entry.
- Align ambulatory growth, partner needs and recruitment into a unified plan.
- Provide a framework to support high-risk communities in the Commonwealth, including novel care delivery models.

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Distinction

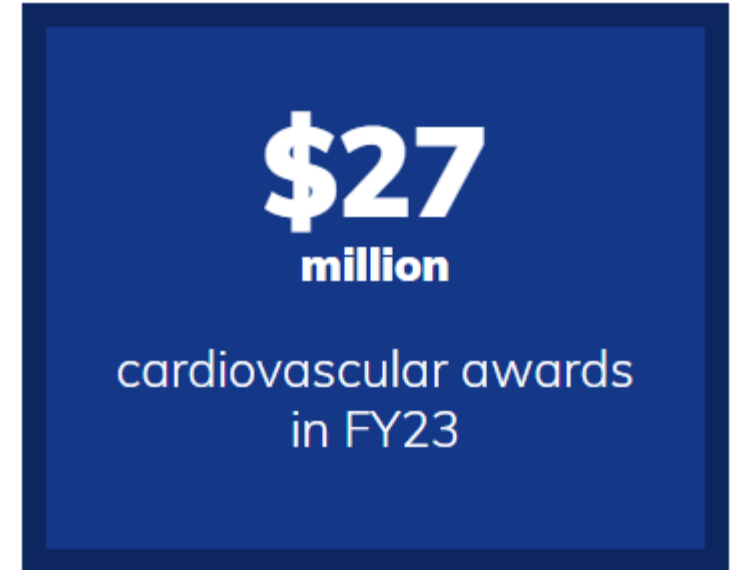


Focus Areas:

- Prepare for future growth and demand in cardiovascular health services by drawing on a coordinated, transdisciplinary team approach.
- Continue volume growth and need for cardiovascular health services.
- Focus on alignment of services and stabilization of clinical care.
- Develop a robust affiliate network, celebrated 10 years of success in 2024.
- Support of educational and research programs.

Education and Research — By the numbers

- Graduate Medical Education Programs:
 - General Cardiovascular Fellowship
 - Advanced Cardiovascular Imaging Fellowship
 - Advanced Heart Failure and Cardiac Transplant Fellowship
 - Electrophysiology Fellowship
 - Interventional Cardiology Fellowship
 - Internal Medicine Residency
 - Cardiothoracic Surgery Residency
 - Cardiothoracic Surgery Fellowship



Regular input and communications

- Steering Committee/EXCEL
- Operations Meetings
- Triad Leadership Meetings
- Third Thursday Updates
- Cardiovascular Service Line Team Meetings: Providers and Staff
- Meetings to discuss staffing considerations to align with growth/recruitment

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Multidisciplinary Cardiovascular Health Board

- Patient versus modality focused
- Multiple experts working together to provide best option for patients
- Focus on solving the problem
- An approach with proven success
 - Molecular Tumor Board



Vedant A. Gupta, MD, FACC, FSCCT

Positions:

- Acting service line director
- Associate program director, cardiology fellowship
- Associate professor of medicine

Specialties:

- Advanced cardiovascular imaging
- Cardiac intensive care
- Cardiovascular medicine

Fellowship training:

- Internal medicine cardiology, UK
- Advanced cardiac imaging, UK



Case example — Valve Disorder

- Ms. A is a 63-year-old female who lives and works in Morehead, Ky.
- She visits her primary care provider for a wellness check-up where her physician detects a heart murmur.
- Ms. A is referred to a local office for further imaging.



Case example

- Imaging is reviewed by Ms. A's local Gill Heart Network affiliated physician and a valve disorder is diagnosed.
- Ms. A is referred to the UK HealthCare Cardiovascular Service Line.
- Experts at UK HealthCare work as a multidisciplinary team and determined this is an early stage valve disorder that requires monitoring.
- The UK HealthCare Cardiovascular Service Line team ensure appointments and protocol are maintained, effectively delaying surgical intervention as long as possible.
- Ms. A continues her follow up appointments with her local primary care provider and a local cardiologist, who is part of a Gill Heart Network Affiliate.

QUESTIONS

