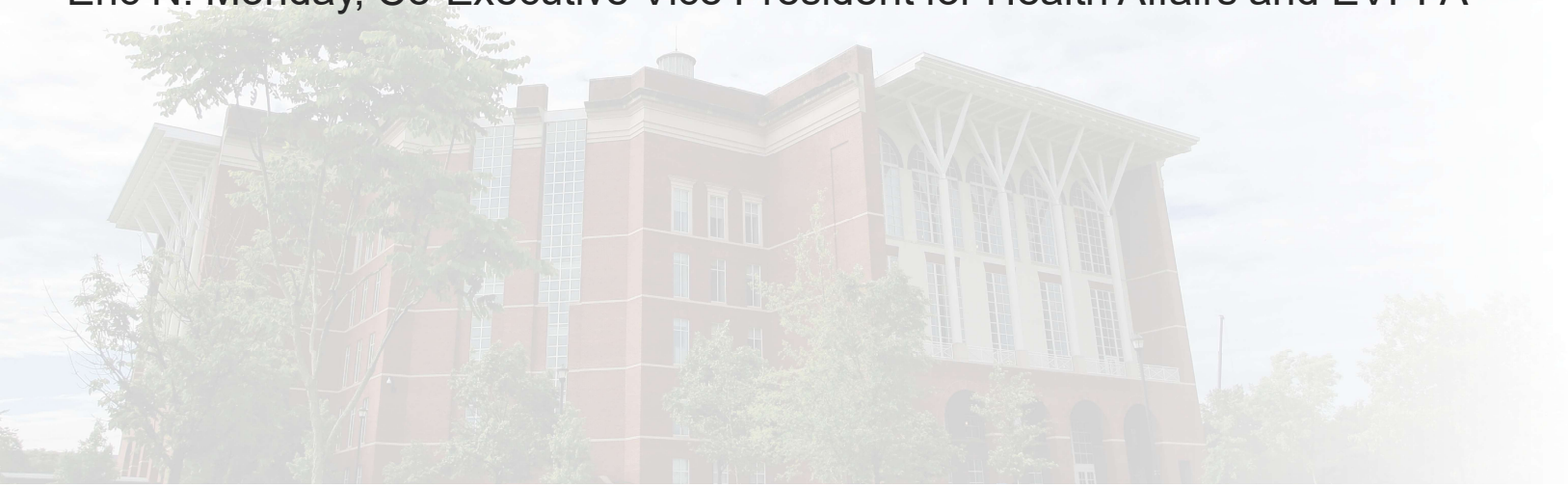


# UNIVERSITY OF KENTUCKY BOARD OF TRUSTEES

Robert DiPaola, Co-Executive Vice President for Health Affairs and Provost  
Eric N. Monday, Co-Executive Vice President for Health Affairs and EVPFA



AN EQUAL OPPORTUNITY UNIVERSITY

## Agenda

- Executive Vice President for Health Affairs (EVPHA) Update
  - Strategy 2030 — Edwards and Herceg
  - Quality and Safety Update — Rose
  - EmPATH Update — Birdwhistell and Woods
  - Medical Malpractice Insurance — Thro
  - FYTD26 April Financial and Operational Update — Collins and Slocum
  - FY27 UK HealthCare Budget — Collins
  - Finance Committee Recommendations (FCRs) – Monday
- Privileges and Appointments — Chris DeSimone

# UNIVERSITY OF KENTUCKY BOARD OF TRUSTEES

Rob Edwards, VP, Chief Strategy and Government Affairs Officer

Dorian Herceg, AVP, Enterprise Strategy and Organizational Performance, UK HealthCare



AN EQUAL OPPORTUNITY UNIVERSITY

## **STRATEGY 2030**

# Agenda

- Strategy
  - Our purpose
  - Evolving our strategy
  - Our path forward

## Three Primary Takeaways

1. We have been successful and must do more to continue advancing the health of Kentucky.
2. Evolving our strategy and planning as a clinical enterprise within a university creates better outcomes, accountability and positive impact.
3. Through our distinction as a university, we will implement strategies that advance Kentucky and create lasting impact for our people, partners and the communities we serve.

## STRATEGY 2030

The University of Kentucky Promise

A 160-year mission that has evolved and grown, steadfast in the core principles to educate, innovate, heal and serve.

A vision of service to our Commonwealth and the world beyond that remains the same.

### The University of Kentucky:



Facilitates learning, informed by scholarship and research



Expands knowledge through research, scholarship and creative activity



Serves a global community by disseminating, sharing and applying knowledge



The *health* of the Commonwealth of Kentucky is an essential part of our history and future.

# STRATEGY 2025 REFRESH – APRIL 2023

Strategy 2025 Refresh — April 2023

Following endorsement by the UK Board of Trustees in April 2023 for the Strategy refresh, UK HealthCare has used dynamic planning and implementation to drive outcomes.

## UHCCR 1

Office of the President  
April 27, 2023

Members, Board of Trustees:

### ADVANCING KENTUCKY: GROWING AS AN ACADEMIC HEALTH SYSTEM WITHIN A UNIVERSITY ENTERPRISE

**Recommendation:** that the Board of Trustees supports a refresh of the UK HealthCare 2025 Strategic Plan and endorses its five-year financial plan.

**Background:** At its September 2021 meeting, the Board received a report on UK HealthCare's 2025 Strategic Plan. Change in an already dynamic health care marketplace has only accelerated since that time. Continued demand for services, changes in the external landscape and business development opportunities require UK HealthCare to reassess its strategy and priorities for the future.

More patients than ever before need the advanced care that only UK HealthCare provides for the Commonwealth. The COVID-19 pandemic, natural disasters across the state and continued challenges to local and regional health providers have only heightened the need for the outstanding advanced subspecialty care UK HealthCare distinctively offers to Kentuckians.

Steadfast on the journey to advance Kentucky by transforming the health and wellness of Kentuckians, UK HealthCare must build on its successes and prioritize, as a guiding principle, growing as an academic health system within a university enterprise.

This will be accomplished by providing increased access, improving the quality of care, creating new strategic partnerships and enhancing clinical services that will meet the health care demands of Kentucky.

With the acquisition of King's Daughters Health System, UK HealthCare has become an academic health system within a larger university – an institution whose campus is the Commonwealth and whose mission is to create and sustain a state that is healthier, wealthier and wiser. That mission requires UK HealthCare to continue to grow – smartly and strategically – to meet the health care needs of the state.

To that end, this strategic refresh is the culmination of an extensive qualitative and quantitative feedback cycle conducted with multiple stakeholders including clinical chairs,

## FCR 12

Office of the President  
April 28, 2023

Members, Board of Trustees:

### IMPROVE UK HEALTHCARE FACILITIES – UK CHANDLER HOSPITAL (VARIOUS PROJECTS) CAPITAL PROJECT

**Recommendation:** that the Board of Trustees approve HealthCare Facilities – UK Chandler Hospital (Various

**Background:** Pursuant to Administrative Regulation 8-2, an estimated scope of \$1,000,000 or more must be approved by the Board prior to initiation. This recommendation contains four capital projects for

1. Renovate approximately 34,000 gross square feet on the third floor of Pavilion HA in the Mother Baby area. The scope of work includes renovation of triage and delivery unit; standardization of operating rooms; creation of a new labor and delivery unit; update of staff workspaces; and labor and delivery rooms, and public areas. relocation of the OB post-partum rooms to another facility and all associated work to ensure the spa patient population.
2. Establish space for advanced endoscopy service in the Interventional Services Suite. The scope of work includes two mobile C-arm rooms within existing procedure rooms; two general endoscopy rooms, clinical support and processing area adjacent to these procedure rooms will be equipped as appropriate to support endoscopy services.
3. Create an observation unit in space adjacent to the Department of Emergency Medicine (ED). Approximately 5,500 square feet of space is available for clinical care and has most recently been used for overflow ED patients. The scope of work will include construction of rooms and associated clinical support spaces.
4. Complete the operating room expansion project on the second floor of Pavilion A. This project

Office of the President  
April 28, 2023

Members, Board of Trustees:

### CONSTRUCT/IMPROVE MEDICAL/ADMINISTRATIVE FACILITY 1 (MEDICAL OFFICE BUILDING – DESIGN)

**Recommendation:** that the Board of Trustees approve the construction of the Medical/Administrative Facility 1 UKHC capital project.

**Background:** Pursuant to Administrative Regulation 8-2, an estimated scope of \$1,000,000 or more must be approved by the Board prior to initiation. UK HealthCare (UKHC) identified a location in its facilities. The Board approved the acquisition of the location in June 17, 2022, and February 17, 2023, in a high population area near the intercity bus station.

This project will initiate the design phase of a new outpatient medical center which will be the first phase of a new campus. The scope of work for the design services, schematic design through construction documents, is estimated to be \$300,000. The project is required to initiate the construction phase.

This \$300,000 project, authorized by the 2022 Kentucky General Assembly, is within the total legislative authorization of \$250 million.

## FCR 13

Office of the President  
April 28, 2023

Members, Board of Trustees:

### CONSTRUCT/IMPROVE MEDICAL/ADMINISTRATIVE FACILITY 3 (EXPAND PATIENT CARE FACILITY – DESIGN PHASE) CAPITAL PROJECT

**Recommendation:** that the Board of Trustees approve the initiation of the Construct/Improve Medical/Administrative Facility 3 (Expand Patient Care Facility – Design Phase) capital project.

**Background:** Pursuant to Administrative Regulation 8-2, any capital project with an estimated scope of \$1,000,000 or more must be approved by the Board prior to initiation.

Since opening the first three patient care floors in the UK Albert B. Chandler Pavilion A in May 2011, UK HealthCare (UKHC) has experienced strong consistent inpatient admissions growth. The fit out of the last shelled patient floor in Pavilion A will be completed later this calendar year and UKHC expects these beds to be fully utilized as soon as the space is open. This consistent growth in our patient population has led to the commencement of planning activities for an expansion of the Chandler campus to ensure the needs of UK's current and future patients are met.

In addition to the steady increase in inpatient volumes, UKHC is facing the challenges posed by the aged facilities at both the Albert B. Chandler Hospital and Good Samaritan Hospital. Unfortunately, the age of these facilities and their infrastructures create multiple challenges in supporting current day healthcare technologies and patient care operations.

This project will initiate the design phase of an expansion of the patient care facility to accommodate additional inpatient beds and clinical support services at the Chandler campus. General services targeted for this location include but are not limited to, adult and pediatric inpatient rooms, observation spaces, operating rooms, minor procedures, diagnostic services, imaging services, pharmacy, retail, lab, administration, support and meeting spaces. The scope of work for the design phase will include detailed programming services, schematic design through construction documentation phases and budget estimates for all phases with projected timelines. Additional Board approval will be required to initiate the construction phase.

This \$180,000,000 project, authorized by the 2022 Kentucky General Assembly, is within the total legislative authorization of \$200,000,000 and will be funded with agency funds.

Action taken:  Approved  Disapproved  Other \_\_\_\_\_

## FCR 14

# STRATEGY 2030

Advancing forward from the success of Strategy 2025 Refresh

## CREATING ACCESS THROUGH DISTINCTION

Cancer and Advanced Ambulatory

Chandler Expansion

First Four Ambulatory Sites

Hamburg — May 20, 2024

Frankfort — March 31, 2025

Richmond — Mid-2026

Newtown Pike — Late 2026

## TAKING CARE OF OUR PEOPLE AND PARTNERS

Rankin Health Education Building

UK St. Claire

Blue Connect



University of Kentucky

## STRATEGY 2030

Partnering broadly to advance Kentucky

# Advancing Kentucky Together Network

The Advancing Kentucky Together Network has quickly grown with intention and focus to further advance Kentucky through partnership and innovative models.

## Advancing the healthcare of Kentucky

Our clinical affiliate networks continue to expand under the evolved mission.

As the healthcare needs of Kentucky grow, we must be determined in our support.



40 + partners in network  
500 patients served per month  
via VizAI Technology



19 partners in network  
>3,400 patients served since  
2020



28 partners in network  
36 clinical outreach activity  
across the Commonwealth



Focused on advancing children's  
health across Kentucky  
**10** partners joined network in  
less than one year of inception



## STRATEGY 2030

Evolved strategy and planning

A changing healthcare environment requires dynamic planning with integrated implementation.



- Initiatives aligned to patient care and organizational priorities and mission
- Integrated workplans, tied to care outcomes, financial plans and operational goals
- Ongoing monitoring and dynamic planning approach
- Leverage shared resources and existing structures for implementation and accountability



# **EVOLVING OUR STRATEGY**

## EVOLVING OUR STRATEGY

Growth leading to impact

## IMPACT AND REACH

**+ 270% INPATIENT GROWTH**

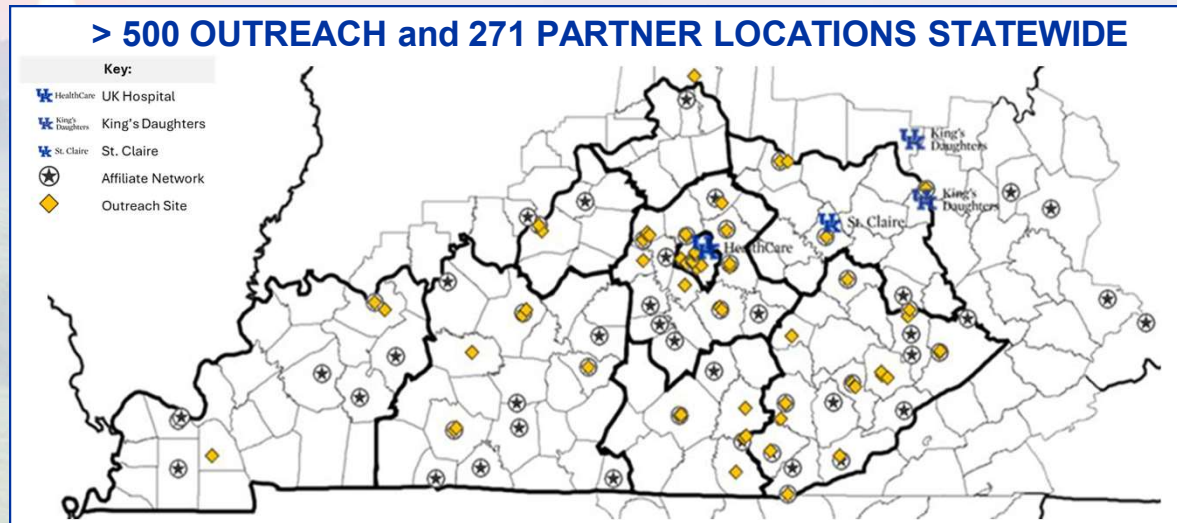
(FY 2003–FY 2025)  
INCL. UKKD AND UKSC

19,000 → 72,000  
FY03 FY26

**+ 32% AMBULATORY GROWTH**

(FY 2022–FY 2025)

800K → 1.5M  
FY22 FY25



**WORKFORCE  
AND CLINICAL  
SCALE**

**+144 BEDS**  
2022–2024

**+23%**  
REGULAR EMPLOYEES  
SINCE 2020

**>3,500**  
STUDENTS and HEALTHCARE TRAINEES  
COLLEGES OF MEDICINE, PHARMACY, DENTISTRY,  
NURSING, HEALTH SCIENCES, PUBLIC HEALTH and  
SOCIAL WORK

Kentucky

## EVOLVING OUR STRATEGY

Our challenge and opportunity

# Addressing the Needs of the Commonwealth

### NATIONAL HEALTH RANKINGS

#### AMERICA'S HEALTH RANKINGS

# 43rd



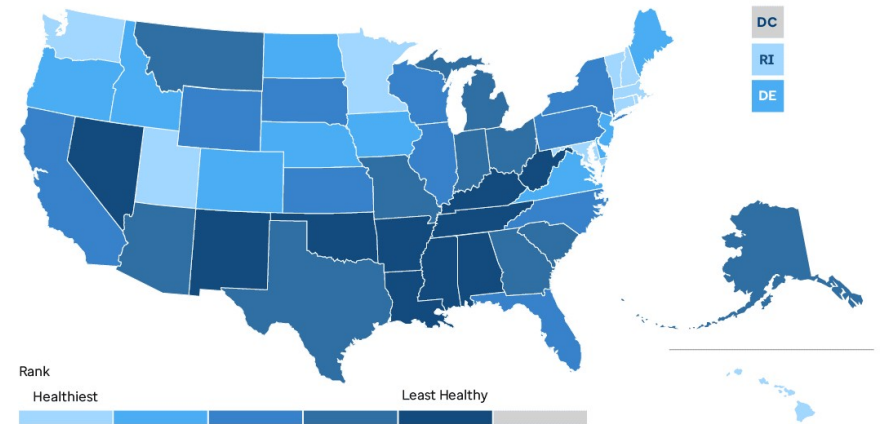
Kentucky

#### COMMONWEALTH FUND STATE SCORECARD 2025

# 37th

Independent national assessments consistently rank Kentucky among the lowest-performing states for health outcomes, access and preventable disease.

### 2025 Annual Report State Rankings



Source: America's Health Rankings composite measure, 2025.



#### HEALTH OUTCOMES

- 47th Premature Death
- 48th Cardiovascular Deaths
- 48th Cancer Deaths
- 47th Drug Deaths
- 36th Infant Mortality



#### RISK FACTORS

- 45th Obesity
- 49th Smoking
- 50th Physical Activity



#### ACCESS and PREVENTABLE CARE

- 50th Preventable Hospitalizations
- 44th Adults with Diabetes
- 40th Primary Care Coverage



National Drivers  
Of Change

Regionalization  
of Care

Payment  
Reform

Patient  
Experience

Innovation  
And AI

Workforce  
Pressures

## EVOLVING OUR STRATEGY

Our commitment to the health of Kentucky

**ENSURE THAT  
NO KENTUCKIAN  
MUST LEAVE  
THEIR  
COMMUNITY OR  
THE STATE TO  
GET THE CARE  
THEY NEED**

### Community Level Care

Access | Partnership | Advanced Health

- Primary care
- Specialty services
- Women's health
- Low-acuity procedures
- Basic therapy and screening services
- Post-acute care
- Population health

**Core needs managed in community setting**

SHARED RESPONSIBILITY FOR OVERALL  
PATIENT HEALTH and OUTCOMES



### Advanced Sub-specialty Care

Our Distinction: Clinical | Research | Academic

- Transplant
- Complex cancer care
- Pediatric specialties
- Comprehensive cardiovascular
- Neurosciences
- Complex imaging and therapy

**Complex needs seen at UK HealthCare**

CULTURE OF EXCELLENCE

## EVOLVING OUR STRATEGY

An evolved healthcare enterprise

Incorporating the academic distinction of UKHC and community expertise of the UK King's Daughters (UKKD) and UK St. Claire (UKSC) to support an aligned mission.

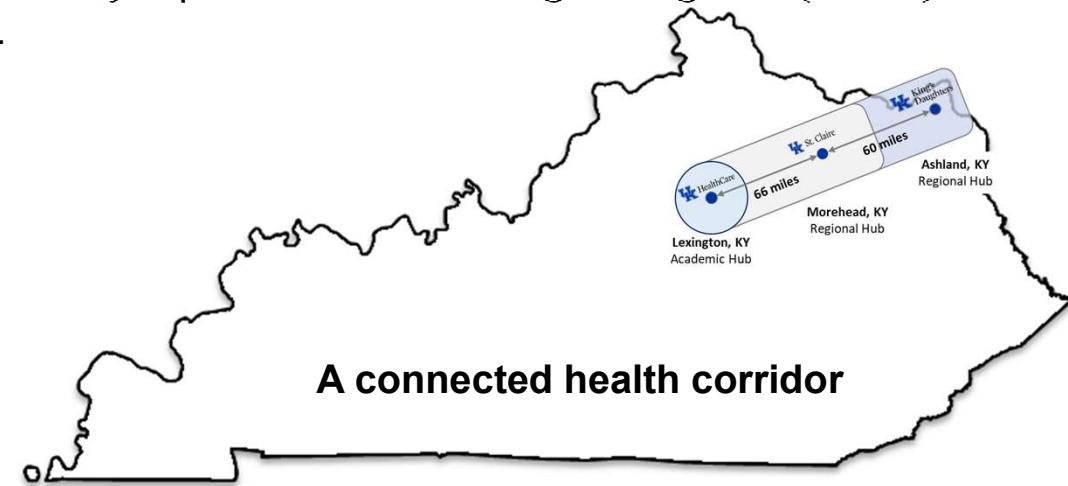
 HealthCare



 King's Daughters

 St. Claire

- Coordinated financial and capital planning
- Service Line Growth and impact across all three communities
- Leveraging individual strengths to advance the health of Kentucky



### UKKD

- Increased access to cancer services
- UK Internal Medicine Graduate Medical Education (GME) program
- Expanded outreach in transplant, ENT, cancer, orthopaedics and NICU

### UKSC

- Rural Physician Leadership Program (RPLP) expansion
- Expanded outreach in neurosurgery, nephrology and orthopaedics

## EVOLVING OUR STRATEGY

Informing our strategy

Input from staff, partners and clinical enterprise leadership informed the priorities highlighted in our strategy.



### Staff and physician survey

~650 responses



### Partner feedback

4 clinics  
17 hospitals  
9 post-acute



### Continuous feedback

Clinical departments and  
Existing leadership venues

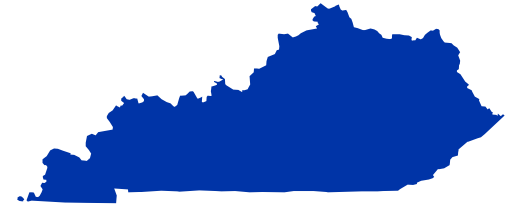


Insights informing strategy

Strategy development will remain dynamic, informed by ongoing engagement and feedback.

## EVOLVING OUR STRATEGY

### OUR MISSION remains unchanged.



UK HealthCare is committed to serving the entire Commonwealth of Kentucky.

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



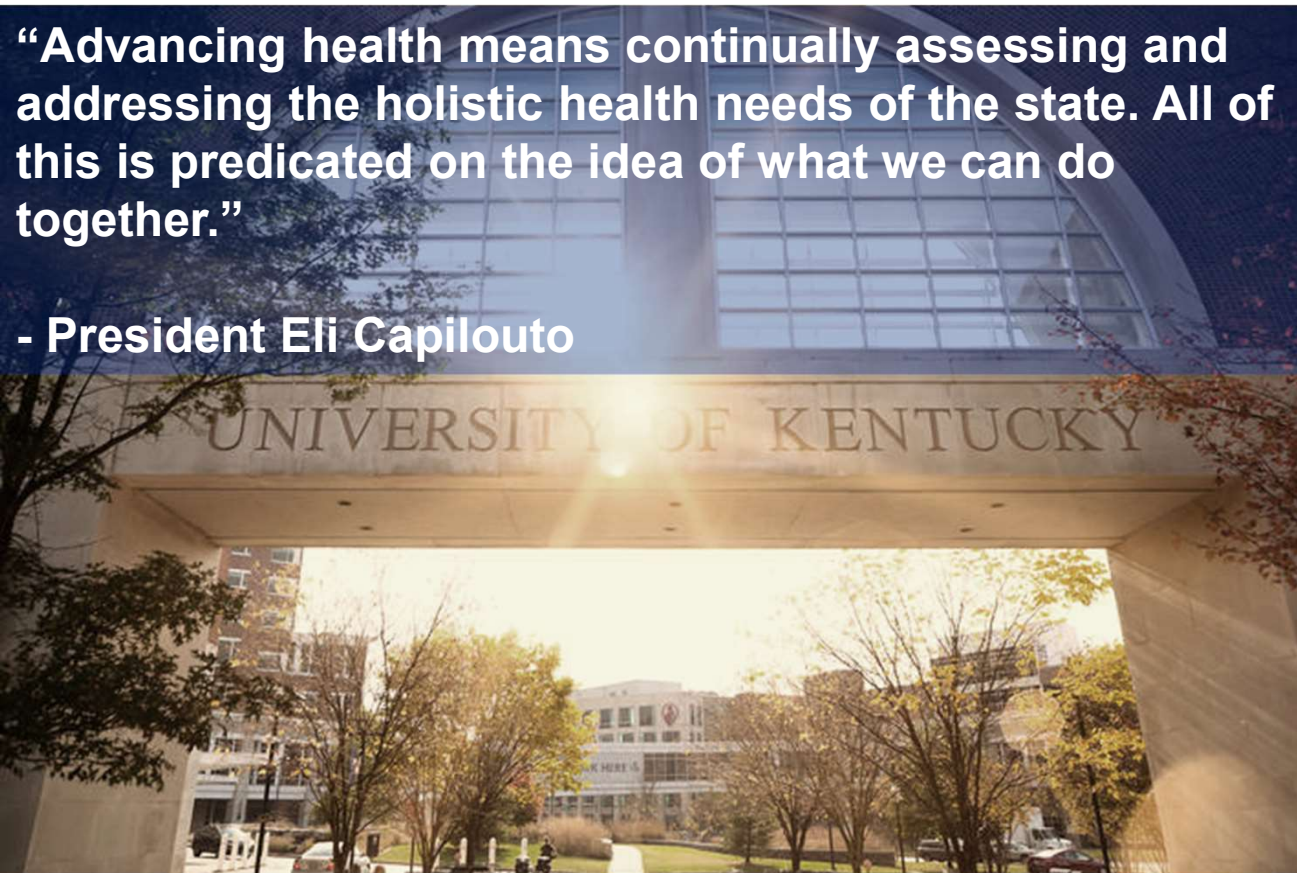
An academic health system with aligned clinical care, research and education of seven health-related colleges

## **EVOLVING OUR STRATEGY**

Our continued call to action

**“Advancing health means continually assessing and addressing the holistic health needs of the state. All of this is predicated on the idea of what we can do together.”**

**- President Eli Capilouto**



**The health of the Commonwealth is the driving force of our strategy across the clinical enterprise.**

# ADVANCED CARE

# **CULTURE OF EXCELLENCE**

## CULTURE OF EXCELLENCE



### SAFETY

Harm reduction



### QUALITY

Clinical effectiveness,  
evidence-based care



### PEOPLE

Workforce, culture  
and capability



### SERVICE

Patient experience,  
access and care  
coordination



### FINANCE

Financial sustainability  
and resource  
stewardship



### GROWTH

Reputation, strategic  
expansion and  
innovation

High Reliability + Continuous Improvement + Team Empowerment =

**CULTURE THAT ADVANCES CARE  
FOR KENTUCKY**

## CULTURE OF EXCELLENCE

Our workforce investments are driving measurable results.

### INVESTMENTS

Strategic actions to attract, develop and retain talent



#### MODERNIZE TALENT ACQUISITION

- AI-enabled recruitment through ICIMS
- Specialized recruiting teams for high demand clinical roles
- \$3.5M investment in ICIMS platform



#### EXPANDING TALENT PIPELINES

- Campus recruitment in high-need academic programs
- Regional hiring events with on-the-spot interviews



#### SUPPORTING WORKFORCE RETENTION and STABILITY

- Traveler conversion pathways
- UK Invest for employees
- Programs driving long-term engagement



#### STRENGTHEN PROVIDER WORKFORCE STRATEGY

- Deep collaboration with HR and UK College of Medicine
- \$175K investment supporting UK College of Medicine recruitment and job boards

**OUR PEOPLE**  
Enabling Better  
Care Together

### IMPACT

Measurable results that strengthen our workforce and support growth

**748**

Registered nurses hired  
(FYTD 2026)

UKG Optimization Project  
Designing enterprise  
workforce planning and  
scheduling solution

**10,725**

Student interactions in  
CY2025

**8,681**

Student interactions YTD  
CY2026

**45%**

Reduction in agency  
workforce (709 → 392)  
(Mar 25-May 26)

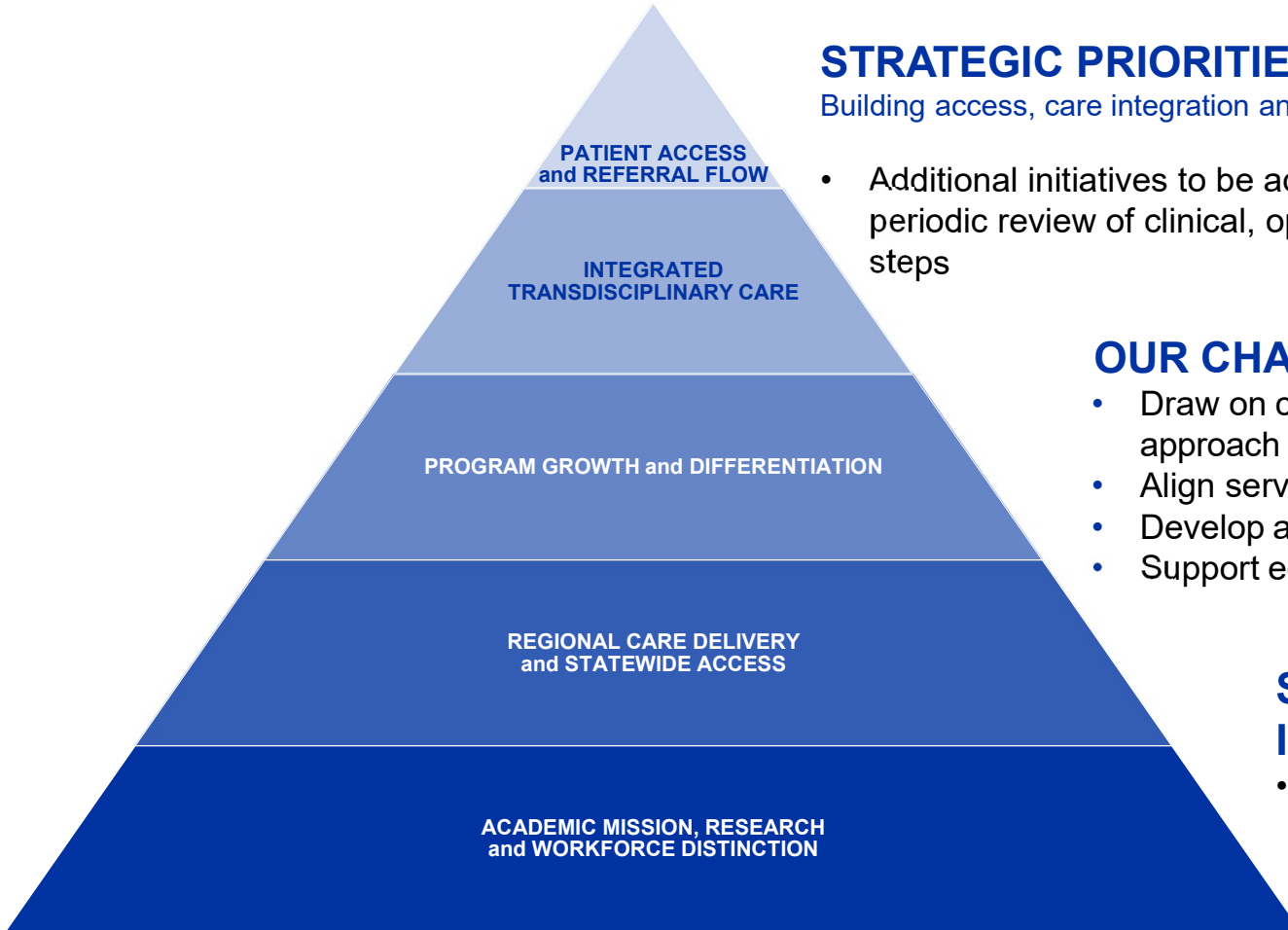
No longer initiating or  
renewing local agency  
contracts



Aligning provider workforce strategy with  
service line growth, staffing and statewide  
needs

# **SERVICE LINE DEVELOPMENT AND GROWTH**

## SERVICE LINE DEVELOPMENT AND GROWTH



### STRATEGIC PRIORITIES

Building access, care integration and statewide impact

- Additional initiatives to be added in subsequent phases concurrent with periodic review of clinical, operational and market data to inform next steps

### OUR CHALLENGE and COMMITMENT

- Draw on coordinated transdisciplinary team approach to prepare for future growth and demand
- Align services and stabilize clinical care
- Develop a robust affiliate network
- Support educational and research programs

### STRATEGY ENGAGEMENT INSIGHT

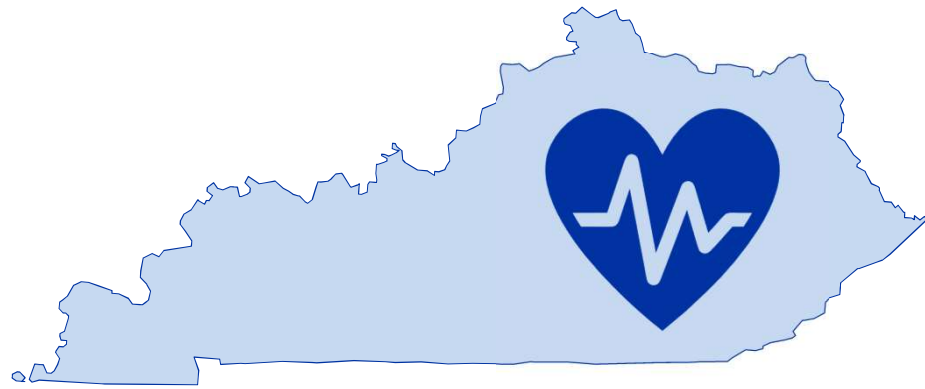
- Reinforced importance of improving access to advanced subspecialty care across Kentucky.



## SERVICE LINE DEVELOPMENT AND GROWTH

Strategy in action — Cardiovascular service line

Aligning as a cardiovascular service line has enabled a transdisciplinary approach to quality, safety access and growth.



### Impact Across Key Performance Indicators (YTD)

	<i>FY25</i>	<i>FY26</i>	<i>Impact</i>
<b>Mortality Index</b> Lower is better	0.86	0.76	<b>12%</b> ↓
<b>Length of Stay Index</b> Lower is better	1.01	0.95	<b>19 extra beds/month</b> ↑
<b>Median Days to Appointment</b>	42 Days	29 Days	<b>13 Days</b> ↓
<b>Patients Reached (Ambulatory)</b>	17,332 Patients	20,572 Patients	<b>19%</b> ↑

# **TAKING CARE OF OUR PEOPLE AND PARTNERS**

## TAKING CARE OF OUR PEOPLE AND PARTNERS

Ensuring no Kentuckian must leave the state for advanced care

# Building a fully integrated care continuum across Kentucky

### ADVANCED CARE

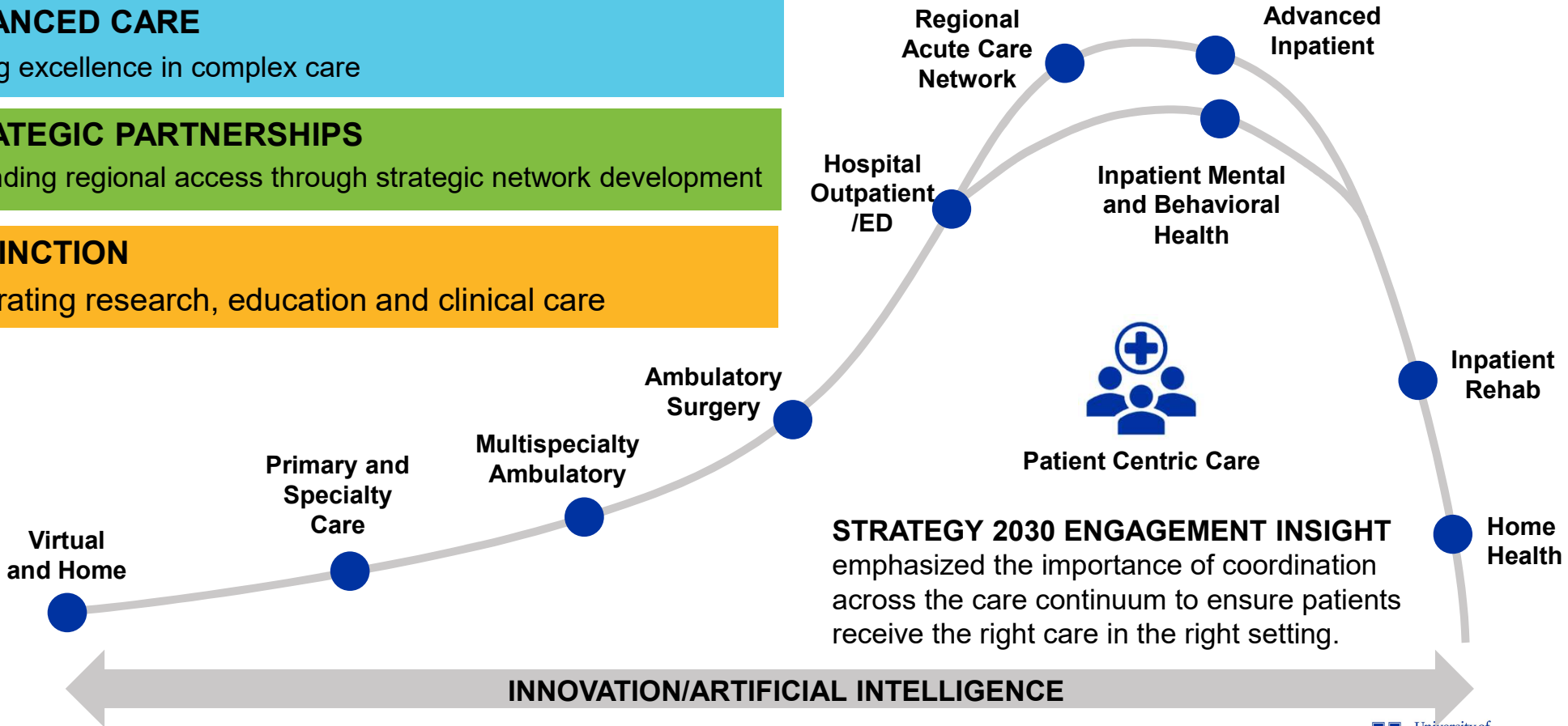
Driving excellence in complex care

### STRATEGIC PARTNERSHIPS

Expanding regional access through strategic network development

### DISTINCTION

Integrating research, education and clinical care



# **SUPPORTING OUR PARTNERS**

## SUPPORTING OUR PARTNERS

Impactful partnerships

UK HealthCare continues to support needs across the Commonwealth, leveraging our distinction as an academic health system.

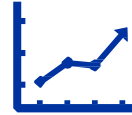
Partnership  
focus

**ENABLE CARE CLOSER TO HOME, SUPPORTING OUR PEOPLE, OUR PARTNERS AND THE COMMONWEALTH**

A changing  
healthcare  
environment



**Regulatory  
Pressure and  
Policy Impacts**



**Financial and  
Operational  
Pressures**



**Workforce and  
Market  
Competition**

What we heard  
from our partners

**OPPORTUNITY TO LEVERAGE THE STRENGTH OF THE UNIVERSITY OF KENTUCKY TO SUPPORT OUR PARTNERS THROUGH:**

Access to  
Advanced  
Clinical  
Care

Innovative  
Models for  
Care Delivery

Program  
and Workforce  
Development

Aligned  
Education,  
Research and  
Discovery

## SUPPORTING OUR PARTNERS

Improving health and access with partnerships

UK HealthCare has an opportunity to keep care closer to home through transfer and care management processes that enable our partners and local communities better serve our patients, our partners and UK HealthCare.

# Programs Supporting Academic and Community Collaboration

### UPAL Program with Centerpoint Health

Supports care coordination by enabling UK HealthCare Emergency Department physicians to transfer patients to community-based settings when higher acuity care is not required.

# 493

Patients served since January 2024

### Care Coordination with UK St. Claire (UKSC)

Facilitates patient navigation to appropriate care setting from outside hospital seeking a transfer.

# 36

Patients served since December 2024

### Advancing Care with Appalachian Regional Healthcare (ARH)

Leveraging Advancing Kentucky Together Network to support programmatic clinical care, workforce development and advanced care.

#### Activities include:

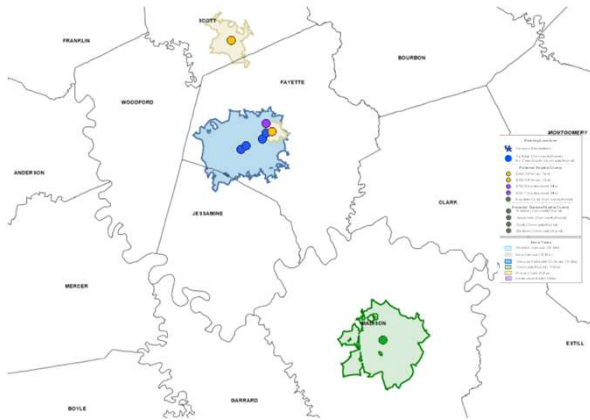
- Access to maternal fetal medicine care
- Cardiothoracic Surgery Program
- Expanded management of Hepatitis C
- West Liberty Expansion with UKSC, ARH

# CARE PROGRESSION

## CARE PROGRESSION

Enhancing Ambulatory Access

### Where We Started



## Our Progress (approved by BOT April 2023)

### Delivering on Expanded Capacity

Develop new ambulatory sites to enable care closer to home, expand the ambulatory footprint and drive capacity



Team Blue



Fountain Court



Richmond Road



May 20, 2024

Hamburg Seed



March 31, 2025

Frankfort



2026

Richmond



Late 2026

Newtown Pike



### Delivering on Operational Excellence

Leverage innovative tools to expand access, increase capacity, and enhance patient experience and coordination of care

Template Optimization | Wait Lists | Fast Pass | Self-Scheduling

## VISION

Continue expanding more access for our university family, our neighbors and our partners

## CARE PROGRESSION

Three step process to determine recommendations for ambulatory access expansion

1

### INPUTS

UK Employee  
Dispersion

Population and  
Economic Growth

Existing Need

Forecasted Need

Current Access  
Challenges

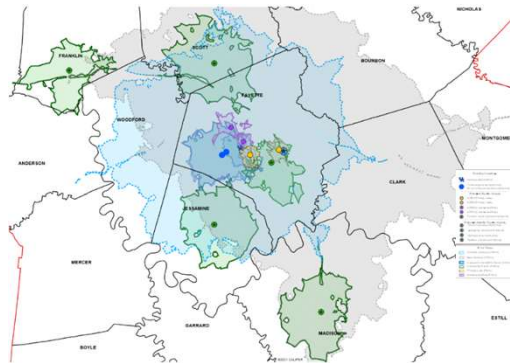
Community and  
Partner Support

Research and  
Feedback

2

### OUTPUTS

Data driven understanding of  
the where, the need and  
proposed timing to continue  
creating more access points



3

### RECOMMENDATIONS

1

#### Operational capacity and throughput

Continued optimization of clinical capacity, throughput and access through innovative technology and process improvement

2

#### Implement Cancer and Advanced Ambulatory Building and Hamburg East Medical Office Building

Estimated to open in 2028 and 2029, respectively, with expansion of access to comprehensive ambulatory services

3

#### Proposed next phase of ambulatory expansion

- Scott County: Medical Office Building
- Franklin County: Expand Existing Access
- Jessamine County: Medical Office Building
- Madison County: Expand Existing Access

4

#### Strategic backfill planning on UKHC Campus

Align to overall vision and plan for ambulatory maximizing use of existing infrastructure

## CARE PROGRESSION

Creating Access Along The Care Continuum

### Patient Care Continuum

#### Acute Care



#### Post-Acute Care



#### Inpatient Rehab Facility

Provide intensive rehabilitation services to patients after illness, injury or surgery

#### Skilled Nursing Facility

Provide short-term nursing care for patients recovering from surgical procedures or from medical conditions

#### Long-term Acute Care Hospital

Designed for patients with medical conditions that require intense treatment for an extended period of time, usually 20 to 30 days

#### Home Health

Provide services to beneficiaries who are homebound and need skilled nursing care or therapy

#### Palliative Care

Provides services focused on symptom management and quality of life for patients with serious illnesses

#### Hospice

Provide services to beneficiaries who are terminally ill with a life expectancy of six months or less if the illness runs its normal course

**~19,000 Annual Post-Acute Opportunity Days at UKHC**

## CARE PROGRESSION

Hamburg East: Creating an extension of the UK campus

# Advancing access and services through distinction and partnership



### Phase 1: Medical office building

- Estimated opening Spring 2029
- Expanded and convenient access to primary care, sub-specialty programs and core services such as screening, imaging, therapy, pharmacy and infusion



### Future Phase: Post-acute care destination

- Access to critically needed services for patients throughout Kentucky, enabling care in the right setting at the right time



### Future Phase: University or healthcare needs

- Flexibility to introduce other services for ambulatory access and expand University services to serve growing demands and collaboration

# **DISTINCTION**

## **DISTINCTION**

Leveraging our distinction as a land-grant university

The **University of Kentucky and its 17 colleges** support the health and healthcare of the Commonwealth, with **over \$500 million** in research funding, **impacting care from bench to bedside.**

**As an academic health system,** UK HealthCare is uniquely positioned to **provide access to high-quality care, expand education and research, and support community partners.**



# **INNOVATION AND ARTIFICIAL INTELLIGENCE (AI)**

## INNOVATION AND ARTIFICIAL INTELLIGENCE

Leveraging innovation and AI to advance care

The most uniquely positioned public health system in the region to innovate and adopt AI

### Innovation Leadership at UK HealthCare

#### Academic Advantage



- Kentucky's most technologically advanced health system with innovation at the core of care delivery
- Multi-college AI collaboration (medicine, engineering, pharmacy, public health)
  - HeartLens

#### Strategic Partnerships



- Strategic partnership with Microsoft
- National collaboration through CATS AI
- Industry partnerships accelerating clinical AI adoption

#### Clinical Implementation



- UKHC is the provider of choice for innovation-enabled subspecialty care:
  - Ambient listening
  - Tele-stroke and VizAI
  - MRI AI software
  - Epic workflow optimization

Establishing UK HealthCare as the state's leader in AI-enabled healthcare

## INNOVATION AND ARTIFICIAL INTELLIGENCE

Research + Clinical Care + Digital Infrastructure working together to improve cardiovascular outcomes across Kentucky

# HeartLens: Advancing Cardiovascular Care through AI-enabled Collaboration

### Revealing Hidden Information

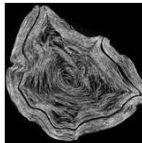
1 2,000 year-old Herculeaneum scrolls



2 Carbonized and hardened by Mount Vesuvius eruption in 79 AD



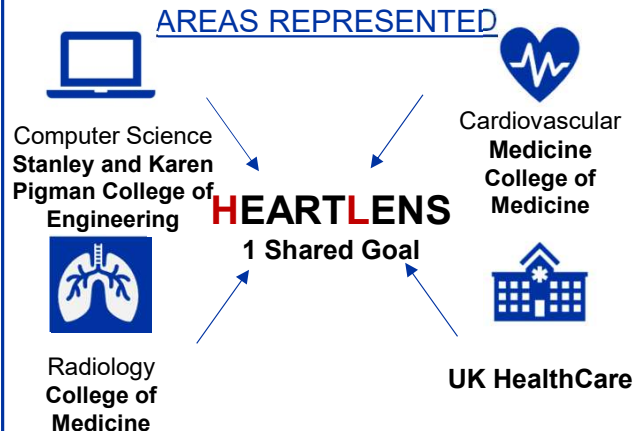
3 High-resolution Synchrotron CT imaging used to digitally recover hidden text



*Advanced imaging + AI reveal what has been hidden for centuries*

### Transdisciplinary Team

19 faculty, clinicians, researchers, staff and trainees



### How it Works



Integrates imaging, electronic health record, lab and clinical data



Applies AI models to identify cardiovascular risk earlier

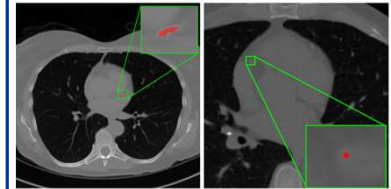


Delivers actionable insights within clinical workflows



Supports earlier intervention and personalized care

### HeartLens in Action



- Developed by HeartLens team with over 200,000 CT slices
- Pioneering AI models that meet or exceed specialty CT performance
- Harnessing HeartLens visual models to forge innovative multimodal image and language systems

### WHAT SUCCESS LOOKS LIKE

- Earlier identification of cardiovascular disease
- Real-time provider alerts for high-risk patients
- More personalized and precise treatment decisions
- Better outcomes, especially in rural and underserved communities
- Establishes UK as a leader in ethical, clinically integrated artificial intelligence

# **ACADEMIC DISCOVERY AND SYSTEM EVOLUTION**

## ACADEMIC DISCOVERY AND SYSTEM EVOLUTION

UK HealthCare is uniquely positioned to advance Kentucky by leveraging our distinction as an academic health system.

### ***Provide access to high-quality care...***

- Clinical affiliate networks
- Outreach activity encompassing all clinical programs

### ***Expand education and research...***

- Graduate medical education (GME) programs at key partner sites
- Regional extension centers throughout the state
- Educational programs across all seven health-related colleges

### ***Support community partner...***

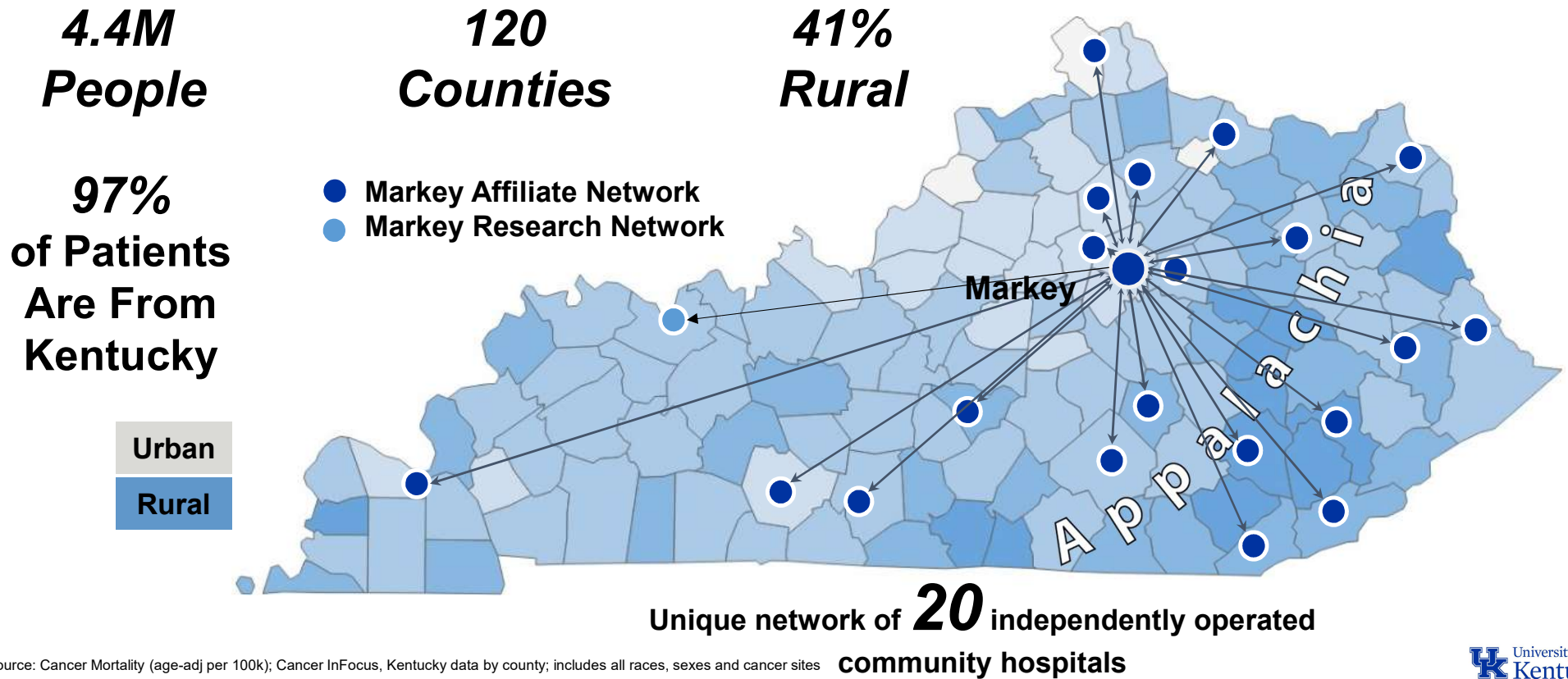
- Community care expertise of UKKD and UKSC
- Innovative service models

**Strategy engagement insight** consistently recognized UK HealthCare's academic expertise and advanced clinical capabilities as core strengths.

## ACADEMIC DISCOVERY AND SYSTEM EVOLUTION

Opportunity: Improving Cancer Care Across The State

The National Cancer Institute (NCI) Comprehensive Designated UK Markey Cancer Center has a statewide catchment area across Kentucky and is the most transdisciplinary program we have to continue impacting cancer care.



Source: Cancer Mortality (age-adj per 100k); Cancer InFocus, Kentucky data by county; includes all races, sexes and cancer sites

## ACADEMIC DISCOVERY AND SYSTEM EVOLUTION

Strategic and integrated health system growth

Enhancing access across the healthcare corridor connecting Lexington, Morehead and Ashland through integrated service line planning.

### An Integrated Cancer Program

#### Academic Health System

**UK HealthCare and Markey Cancer Center**  
*Academic Hub*



**UK King's Daughters**  
*Regional Hub*

**UK St. Claire**  
*Regional Hub*

**Supporting Community Partners**

### This work enables UK to:

- Build upon our distinction and history
- Align our strategic investments and expertise
- Leverage innovative technology and pathways
- Expand access to research and clinical trials
- Grow clinical capabilities for our partners to keep care close to home
- Create a pipeline of providers, supporting the needs of UK and our partners

# SUMMARY



# ADVANCING KENTUCKY

## ADVANCED CARE



- SERVICE LINE DEVELOPMENT & GROWTH
- ADVANCED SUB-SPECIALTY CARE DESTINATIONS
- CULTURE OF EXCELLENCE

## TAKING CARE OF OUR PEOPLE and OUR PARTNERS



- IMPACTFUL PARTNERSHIPS
- CARE PROGRESSION
- BUILDING OUR TEAMS

## DISTINCTION



- ACADEMIC DISCOVERY
- SYSTEM EVOLUTION
- INNOVATION & AI

## SUMMARY

### Three Primary Takeaways

1. We have been successful and must do more to continue advancing the health of Kentucky.
2. Evolving our strategy and planning as a clinical enterprise within a university creates better outcomes, accountability and positive impact.
3. Through our distinction as a university, we will implement strategies that advance Kentucky and create lasting impact for our people, partners and the communities we serve.

# QUESTIONS



AN EQUAL OPPORTUNITY UNIVERSITY