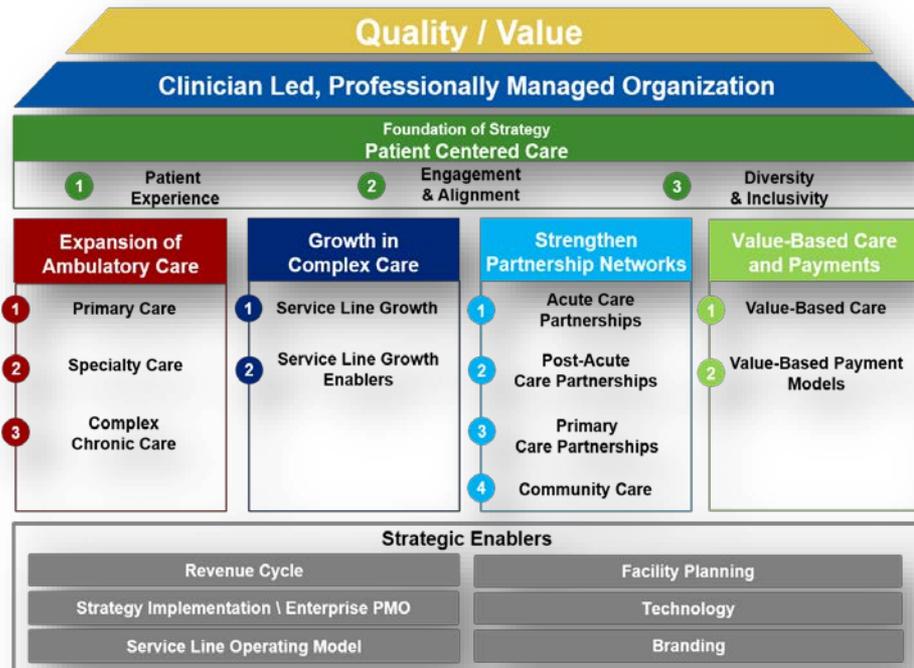
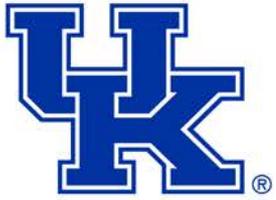




College of Medicine and UK HealthCare Strategic Plans Aligned under UK Strategic Plan



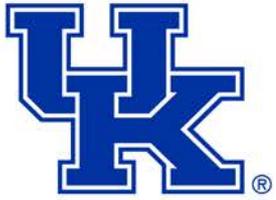


Groundbreaking Research

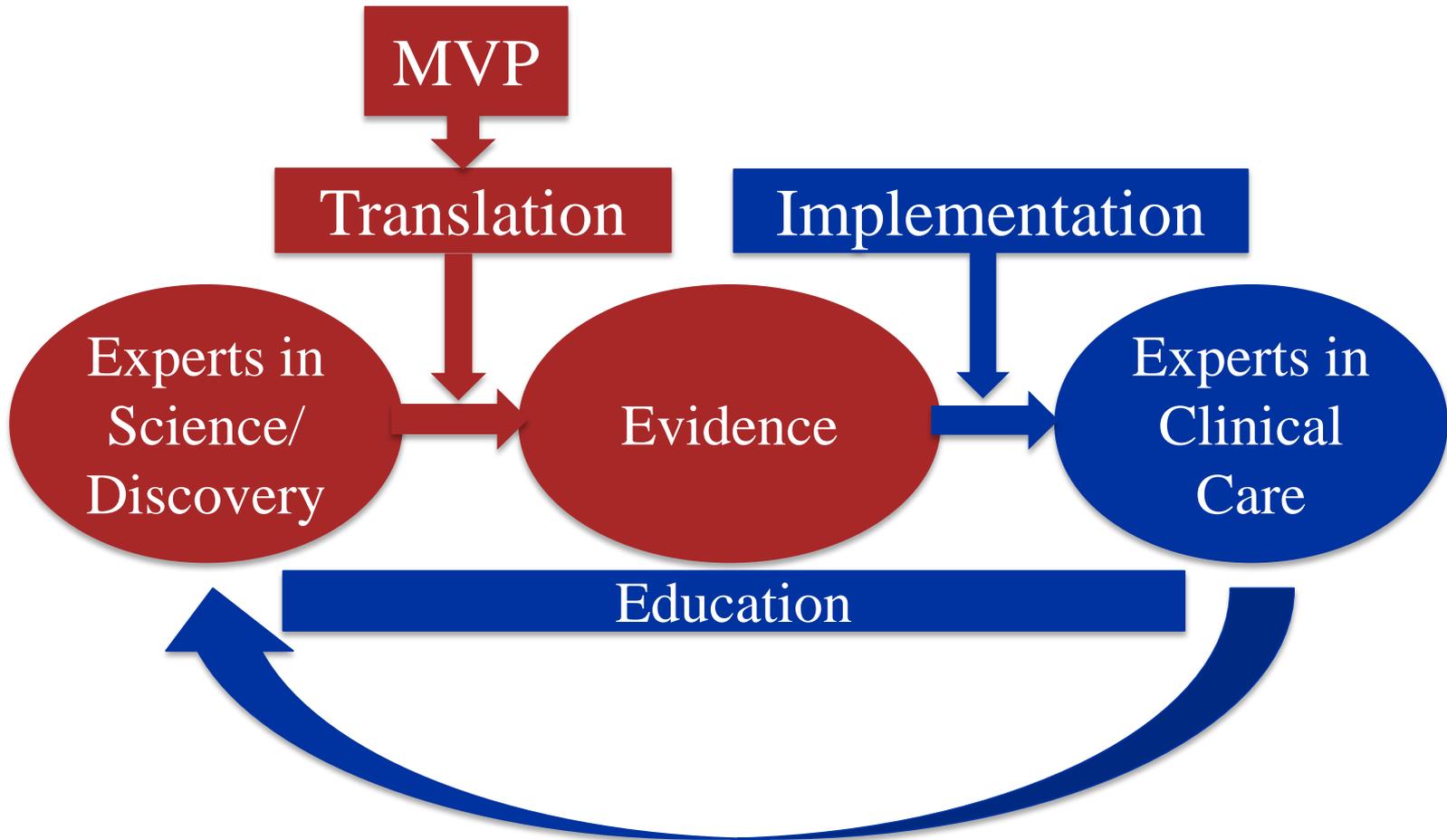
Objective:

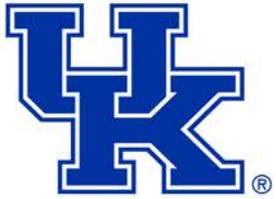
Advance transformative research through collaboration and innovation, leading to scientific impact and improved health for the people of Kentucky and beyond.





Multidisciplinary Value Program (MVP)

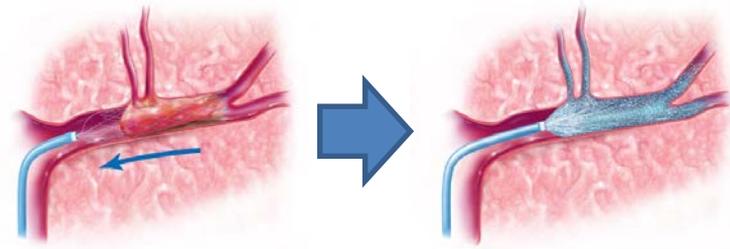




MVP team (MAVARIC): Magnesium And Verapamil After Recanalization in Ischemia of the Cerebrum: Update

PIs: Justin F. Fraser, MD and Gregory J. Bix, MD, PhD

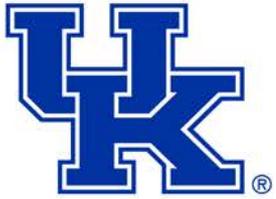
- Combine IA Verapamil + Magnesium (Mg) after thrombectomy in human subjects
- Human Randomized Blinded Outcome Assessment Trial
 - 15 patients in each group (control vs Verapamil/Mg)
 - Undergo thrombectomy plus IA infusion
- Trial Opened: October 10, 2017



Mechanical
Thrombectomy

IA Drug
Delivery

[Fraser JF](#), [Maniskas M](#), [Trout A](#), [Lukins D](#), [Parker L](#), [Stafford WL](#), [Alhajeri A](#), [Roberts J](#), [Bix GJ](#). Intra-arterial verapamil post-thrombectomy is feasible, safe, and neuroprotective in stroke. [J Cereb Blood Flow Metab.](#) 2017 Nov;37(11):3531-3543.



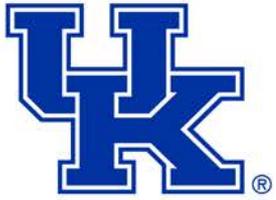
MVP/Research Preliminary Outcomes

Outcomes so far (based on available information)*

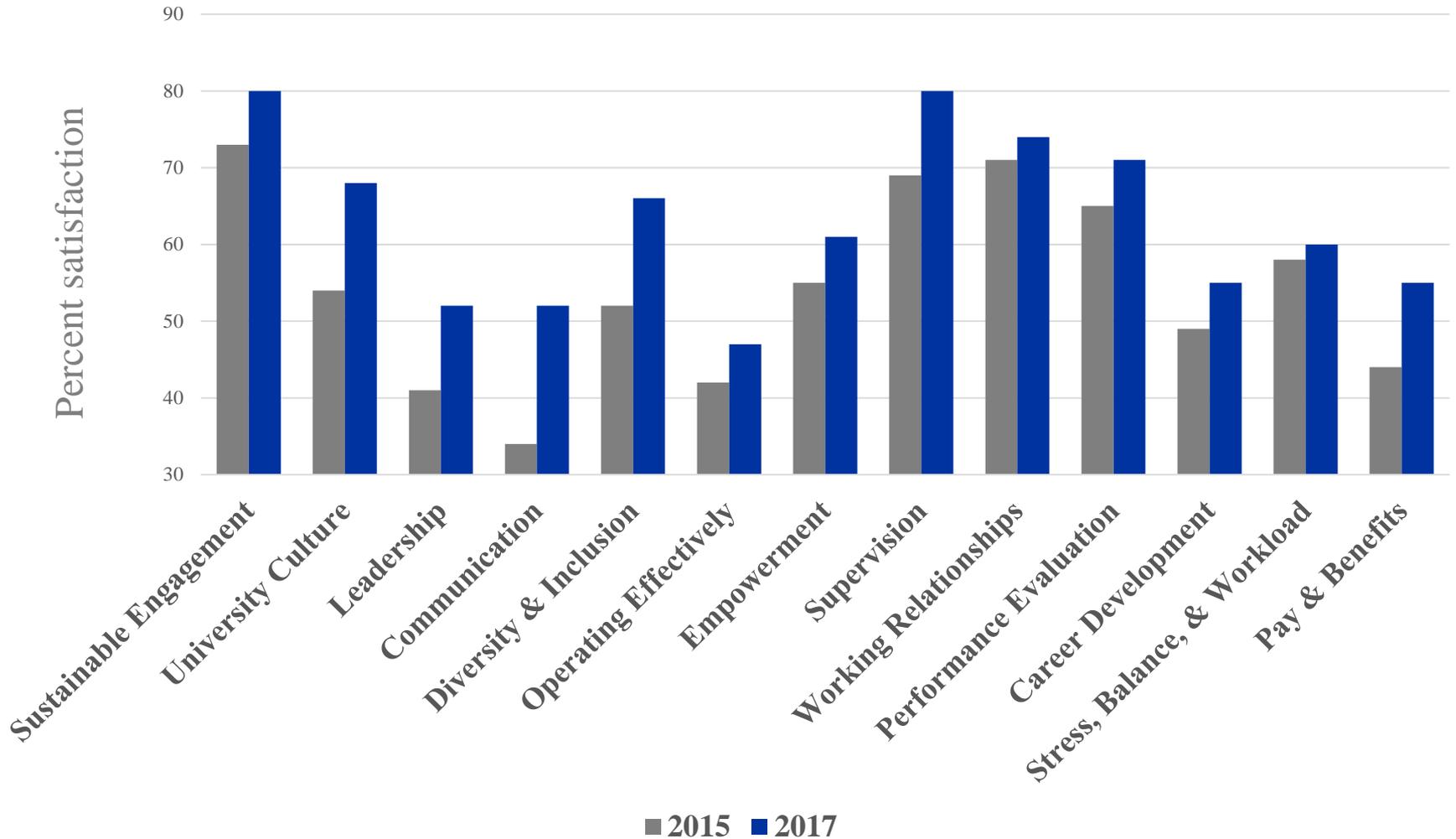
	Abstracts Submitted	Manuscripts Submitted	External Grants Submitted (Awarded)	Trials Active	Subjects Enrolled
MVP Round 1 2016	7	11	8 (4)	6	101
MVP Round 2 2017	4	1	0 (0)	2	29
TOTAL	11	12	8 (4)	8	130

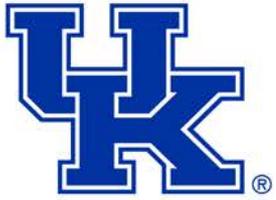
* Several additional abstracts, manuscripts, and grant applications are reported in progress.

- 2016 NIH Funding: \$62.9M
- 2017 NIH Funding: \$80.9M



2017 UK@Work College of Medicine Non-Clinical Faculty Engagement Results by Category



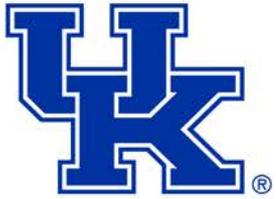


Excellence in Education



Objective:

Strengthen the quality and distinction of educational programs to transform learners into accomplished professionals and scholars who contribute through their clinical and community service, research and discovery, creative endeavors, and teaching.



Undergraduate Medical Education (UME) Summary

Accreditation Activities

July 23, 2018

Submission of the UKCOM Self-Study and Database Collection
Instrument (DCI)

August 2018

Bowling Green Campus

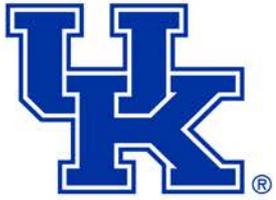
September 9-12, 2018

Mock Survey Visit

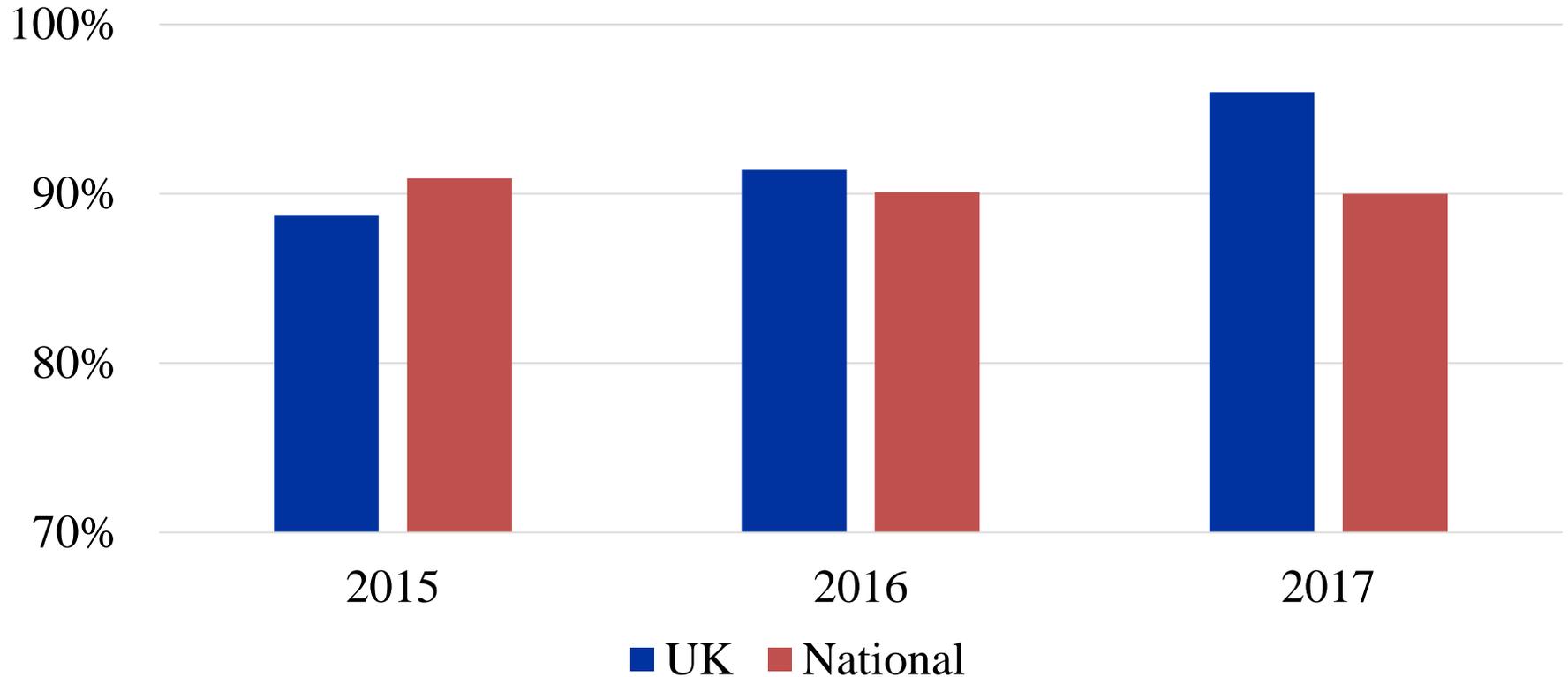
October 14-18, 2018

Liaison Committee on Medical Education
(LCME) Team Survey Visit



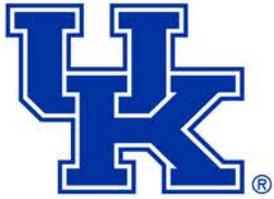


Overall, I am satisfied with the quality of my medical education



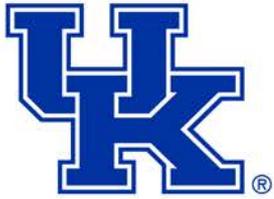
Source: Dr. Chipper Griffith, Independent Student Analysis

% responses that "agree" or "strongly agree"



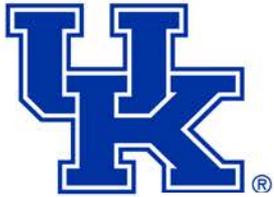
2017-2018 Independent Student Analysis (ISA) Findings – Areas of Excellence

- **Facilities and Learning Environment**
 - **Overall quality of clinical education/patient care facilities, cleanliness of educational spaces/facilities, and adequacy of safety and security at instructional sites**
 - **UKCOM's student mistreatment policy, mechanisms to report mistreatment**
- **Resources**
 - **Accessibility of computer support**
 - **Availability and advertisement of the Financial Literacy Series**
 - **Money management counseling**
 - **Quality financial aid administrative services**
- **Student Affairs and Office of Medical Education**
 - **Accessibility of the Office of the Associate Dean of Students, Office of the Associate Dean for Medical Education, and medical school faculty**
 - **Responsiveness to student problems**

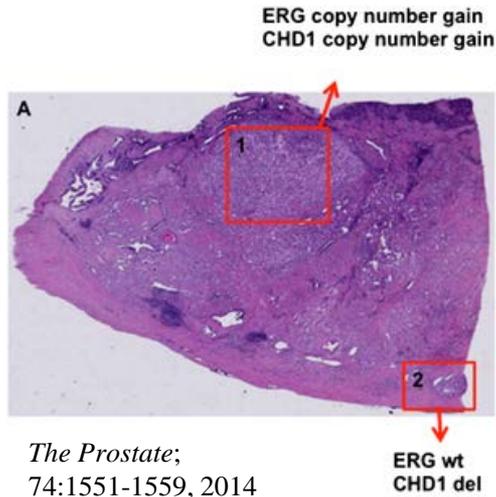


2017-2018 Independent Student Analysis (ISA) Findings – Areas of Excellence

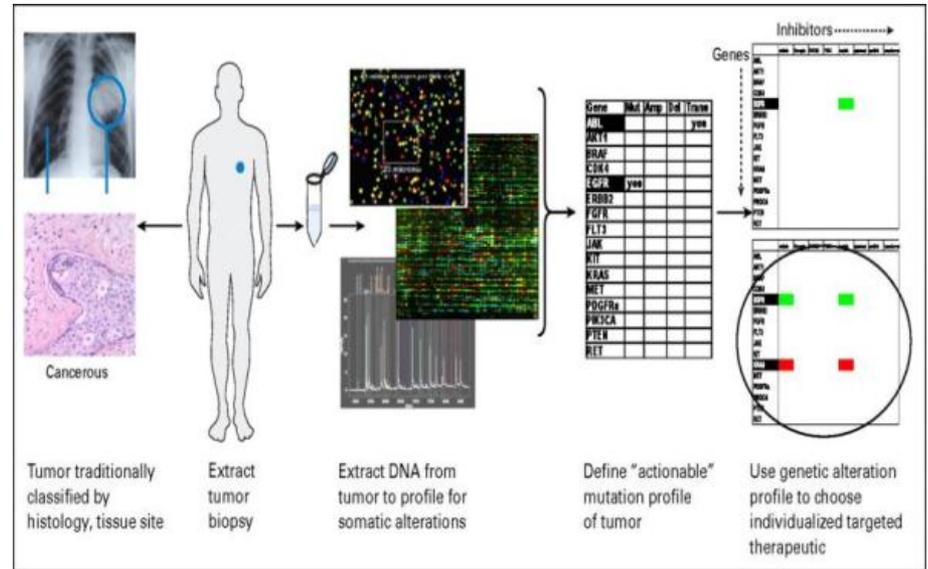
- **Student Wellness**
 - **Dedicated UKCOM mental health counselor**
 - **Disability insurance**
 - **Student-run wellness program (Resilient)**
- **Curriculum**
 - **Education to diagnose disease**
 - **Access to patients during third-year (M3) clerkships**
- **Research**
 - **Faculty encouragement to engage in research**
 - **Access to research-related speakers, forums, and seminars**
 - **Quality research facilities**
- **Service Learning**
 - **Commended by numerous students**
- **Student Leadership and Cohesiveness**
 - **Medical specialty interest groups**



The Future of Precision Medicine: Impact on Standards of Care and Future Education



The Prostate;
74:1551-1559, 2014



MacConaill L E , Garraway L A *JCO* 2010;28:5219-5228

The NEW ENGLAND JOURNAL of MEDICINE

ORIGINAL ARTICLE

Chemohormonal Therapy in Metastatic Hormone-Sensitive Prostate Cancer

Christopher J. Sweeney, M.B., B.S., Yu-Hui Chen, M.S., M.P.H., Michael Carducci, M.D., Glenn Liu, M.D., David F. Jarrard, M.D., Mario Eisenberger, M.D., Yu-Ning Wong, M.D., M.S.C.E., Noah Hahn, M.D., Manish Kohli, M.D., Matthew M. Cooney, M.D., Robert Dreicer, M.D., Nicholas J. Vogelzang, M.D., Joel Picus, M.D., Daniel Shevrin, M.D., Maha Hussain, M.B., Ch.B., Jorge A. Garcia, M.D., and Robert S. DiPaola, M.D.

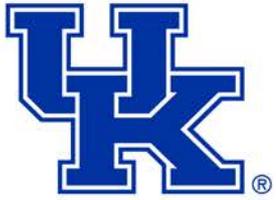
N Engl J Med 2015;373:737-746

J Clin Oncol. 2018 Apr 10;36(11):1080-1087

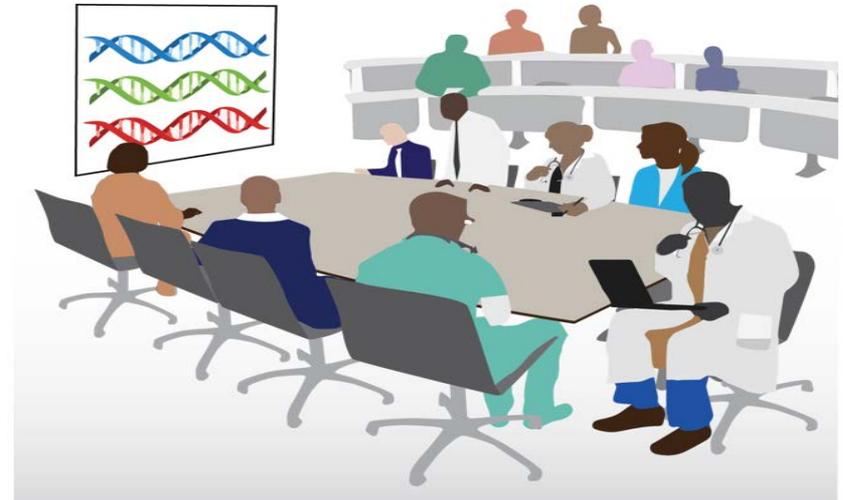
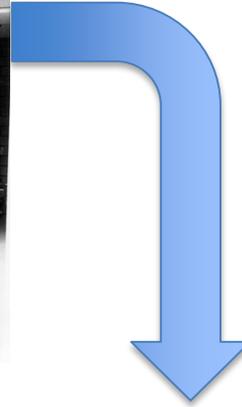
Adjuvant sunitinib or sorafenib for high-risk, non-metastatic renal-cell carcinoma (ECOG-ACRIN E2805): a double-blind, placebo-controlled, randomised, phase 3 trial

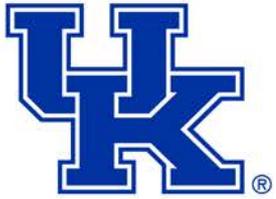
Naomi B Haas, Judith Manola, Robert G Uzzo, Keith T Flaherty, Christopher G Wood, Christopher Kane, Michael Jewett, Janice P Dutcher, Michael B Atkins, Michael Pins, George Wilding, David Cella, Lynne Wagner, Surena Matin, Timothy M Kuzel, Wade J Sexton, Yu-Ning Wong, Toni K Choueiri, Roberto Pili, Igor Puzanov, Manish Kohli, Walter Stadler, Michael Carducci, Robert Coomes*, Robert S DiPaola

Lancet 2016;387:2008-16



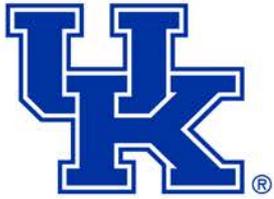
Future Scholarly Concentrations: Individualized, Data Driven, Digital, and Patient Driven





Graduate Medical Education (GME)

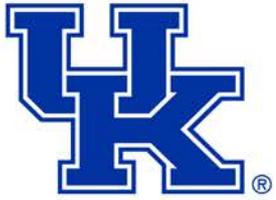
- **One of six Kentucky Accreditation Council for Graduate Medical Education (ACGME) accredited sponsoring institutions**
- **62 ACGME accredited programs, across multiple specialties and subspecialties**
- **New programs**
 - **Adult Cardiothoracic Anesthesiology Fellowship, Epilepsy Fellowship, Bowling Green Internal Medicine Residency, Bowling Green Cardiology Fellowship, and Bowling Green Transitional Year Residency**
 - ***Transitioned to ACGME accreditation: Maternal Fetal Medicine Fellowship, Gynecologic Oncology Fellowship, and Selective (Surgical) Pathology Fellowship***
- **Three regional GME sites:**
 - **Hazard (1991)**
 - **Morehead (2000)**
 - **Bowling Green (2016)**
- **UK College of Medicine selected to participate in the ACGME Patient Safety Leaders Collaborative**



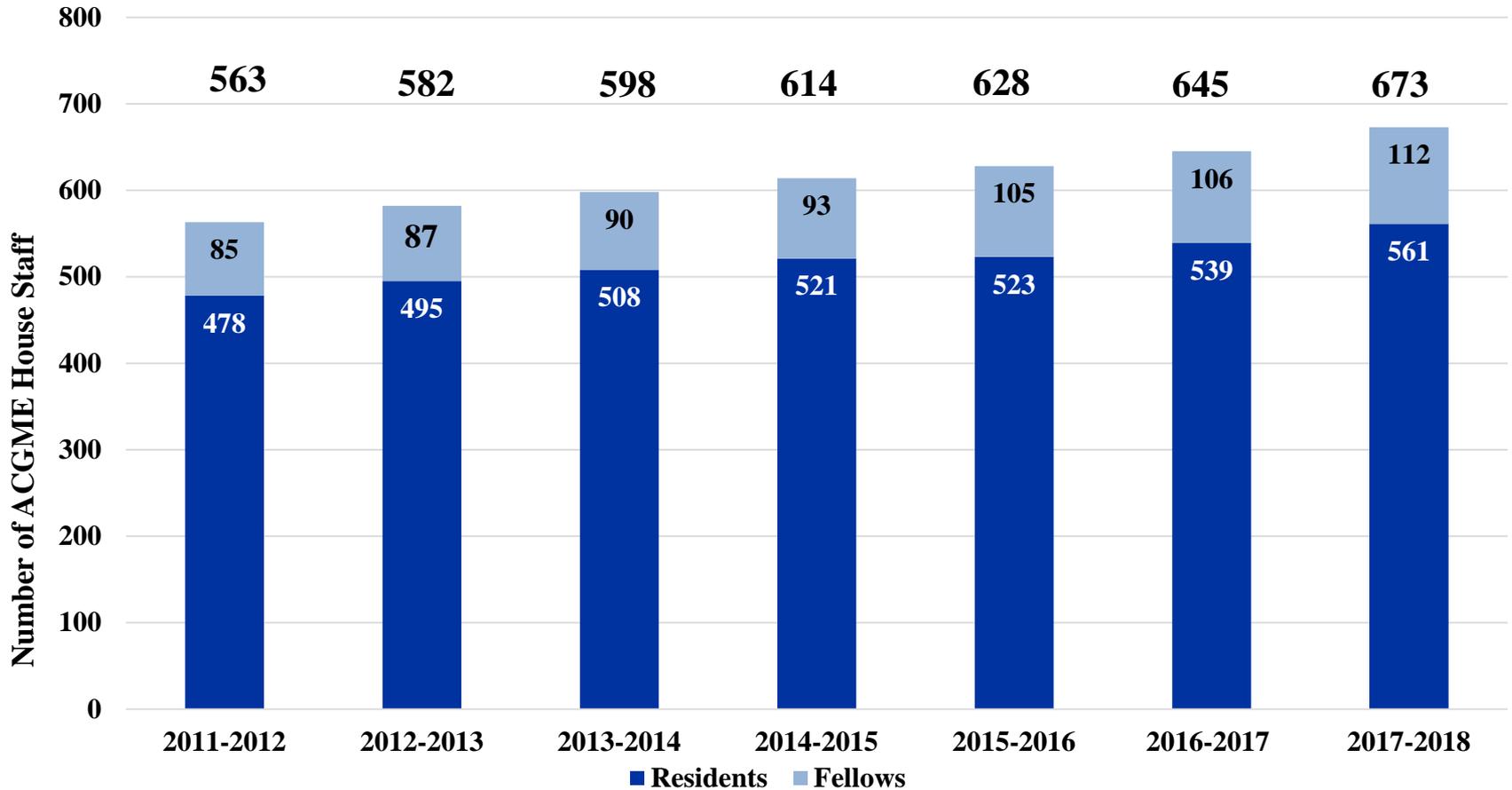
ACGME Program 2016-17 Accreditation Compliance*

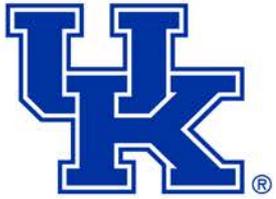
- **Institutional Accreditation: Continued Accreditation, substantial compliance**
- **Program accreditation**
 - **Substantial compliance: 38 programs**
 - **Total citations: 17 programs**
 - **Resolved citations: Nine programs**
 - **New or continued citations: Six programs**
- **Total volume of areas for improvement (all programs): 19 programs**
 - **New or continued areas for improvement: 15 programs**
- **ACGME Clinical Learning Environment (CLER) Review Site Visit: January 2017**
 - **Next site visit summer-fall 2018**
 - **Focus is engagement of residents and fellows in patient safety and improvement of care delivery**

*As of June 30, 2017; 2017-18 accreditation compliance data pending



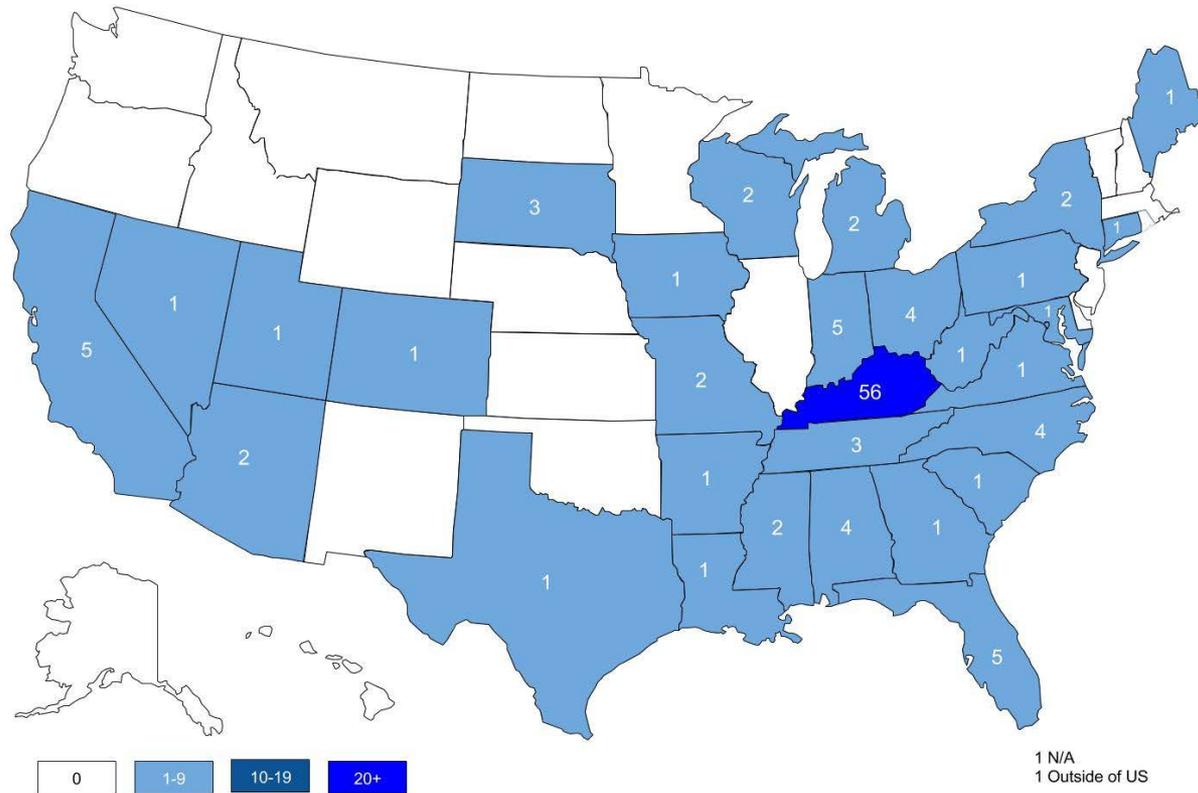
Annual Total ACGME Residents and Fellows



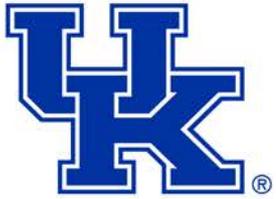


GME 2017 Graduate Data

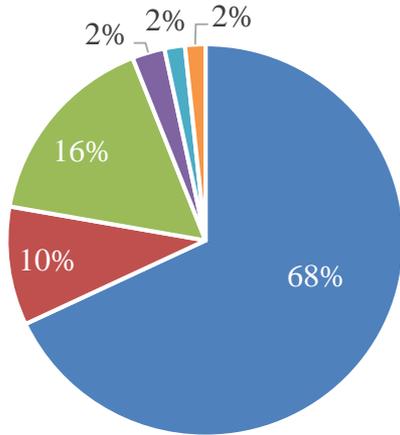
2017 Graduate Practice Location



*Those continuing in fellowship training outside of UK were excluded from this data set. N=118



UKCOM Expense Funding Source



- Clinical
- Grants and Contracts
- VP for Research
- General funds
- Gifts and Endowments
- Other

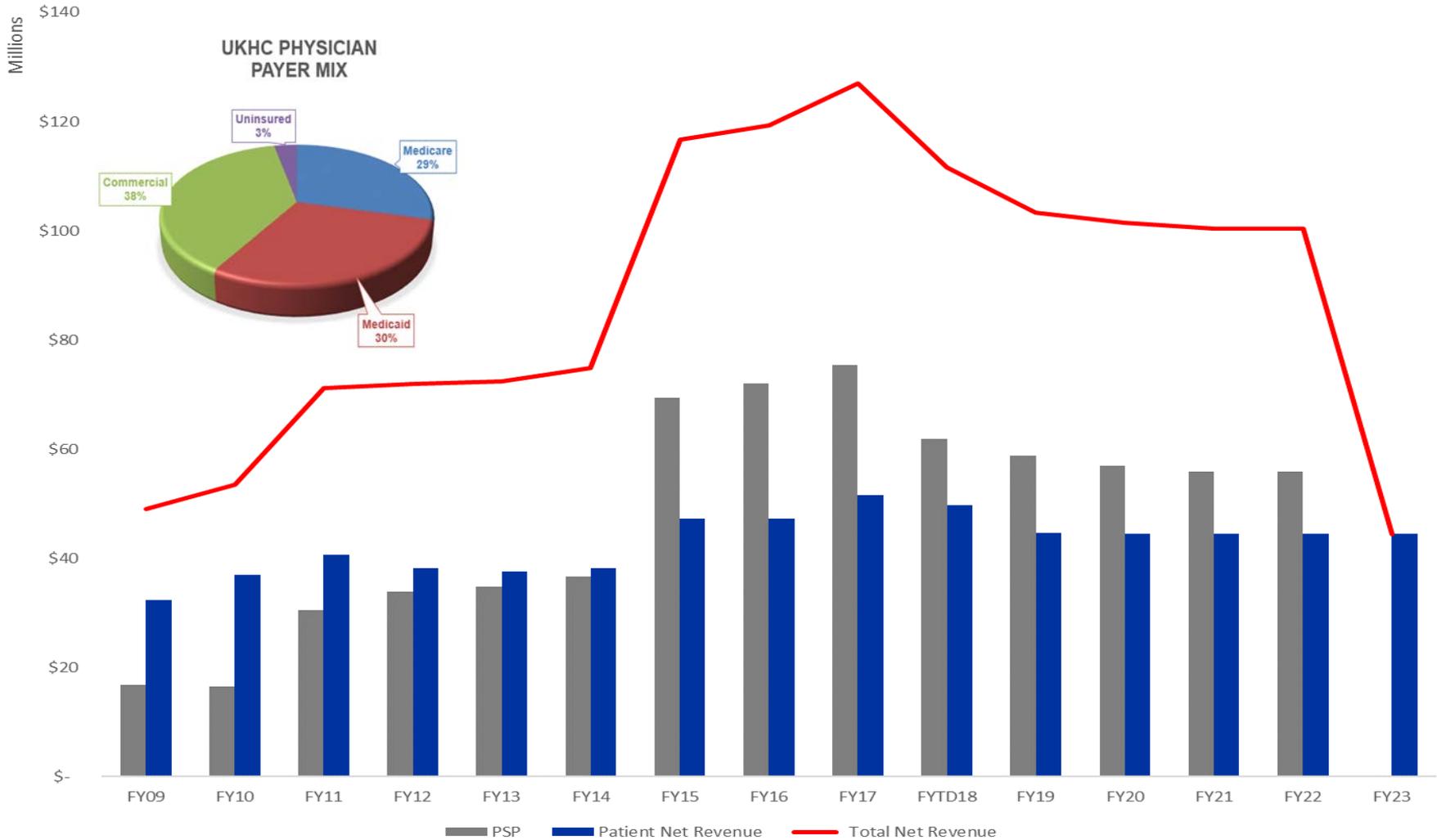
approximately
\$600M

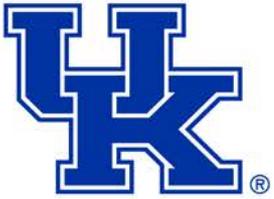
*FY18 December YTD annualized

Clinical Units (18)	Basic Sciences (7)	Other (5)
Anesthesiology	Behavioral Science	Area Health Education Center
Emergency Medicine	Neuroscience	UKCOM-Research
Family Medicine	Toxicology	Dean's Administration
Internal Medicine	Microbiology	Office of Medical Education
Neurology	Biochemistry	Continuing Education (CE) Central
Neurosurgery	Pharmacology	
Obstetrics/Gynecology	Physiology	
Ophthalmology		
Orthopaedic Surgery	Centers (9)	
Otolaryngology	Barnstable Brown Diabetes & Obesity Center	
Pathology	Saha Cardiovascular Research Center	
Pediatrics	Center for Health Services Research	
Physical Medicine & Rehabilitation	Center for Research on Environmental Disease	
Psychiatry	Markey Cancer Center	
Radiation Medicine	Rural Kentucky Healthcare	
Radiology	Sanders-Brown Center on Aging	
Surgery	Spinal Cord and Brain Injury Research Center	
Urology	Center on Drug and Alcohol Research	



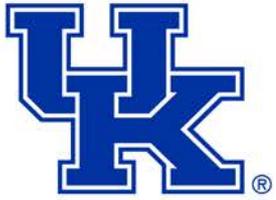
Challenges: UK HealthCare Physicians Medicaid Revenue



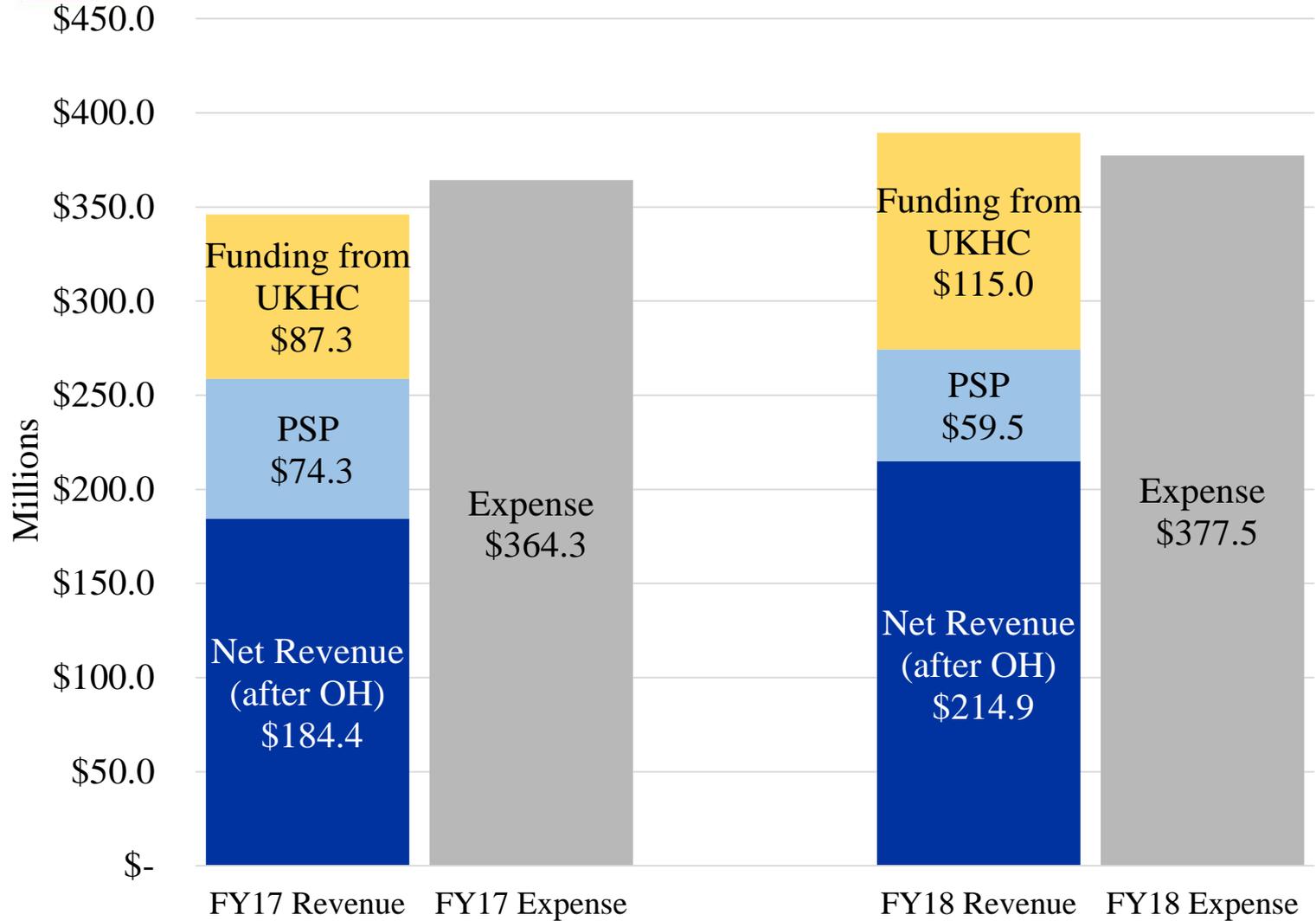


Efforts to Improve Efficiencies

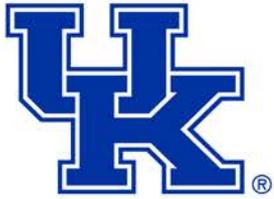
- **UK @ our Building Efficiencies through Strategic Transformation (BEST)**
- **Development of Department Specific Budget Model**
 - **Efforts to improve practice revenue through increased efficiencies and operational capacity/infrastructure**
- **Recruitment Strategies**
 - **Business Plans on all recruitment**
 - **Support for research and education in clinical departments increased from COM academic general funds**
 - **Approvals based on productivity metrics and mission specific service needs for UK Healthcare**



College of Medicine Clinical Practice



Annualized based on February YTD



Summary

Advancing transformative *research*

- **A strategic approach inclusive of recruitment/retention, programmatic support with attention to return on investment (Ex. MVP), and building on existing strengths**
- **A focus on impact for discovery, care, and community**

High-quality, distinctive *education* to develop life-long learners

- **Transformative UKCOM expansion for the state of Kentucky**
- **A focus on transformative and innovative approaches with attention to the future of medicine**

Expert *clinical care* using evidenced-based practice centered on the patient

- **Leveraging academic expertise for greater impact in care**

Enhance our *diversity and inclusion* across all initiatives

- **New leadership**
- **Novel programs with attention to inclusion and well-being**

Engage with the *community* to promote health

- **Maintaining a focus to serve as the University for Kentucky**