

## UAMS Designated Level 1 Trauma

### Why a Trauma System?

In 2009 and prior:

- Trauma #1 Killer of Arkansans Age 1 – 44
- Death rate 33% Higher National Average
- Rural Road System – 12th Largest in Nation
- 2008 WORST System of Emergency Care in US
- In 2009, Legislation (Act 393) passed for the development of a trauma system.
- To date: 69 Hospitals Designated as Trauma Centers
- ~20 million dollars per year designated to the system
  - EMS
  - Trauma Image Repository
  - Hospitals
  - AR Trauma Call Center
  - Trauma Registry
  - Trauma Education
  - Injury Prevention

### Hospital Designation “Levels of Care”

#### LEVEL 1

- Comprehensive clinical care (multisystem injury)
- Community resource: education, research, outreach, and injury prevention

#### LEVEL 2

- Comprehensive clinical care

#### LEVEL 3

- Mild and moderate single system injuries
- General surgeon

#### LEVEL 4

- Critical access – stabilize and transfer

### How is Trauma Care Different in Arkansas Today?

- ATCC – Online direction to the appropriate hospital (no longer the closest hospital)
- Coordination of EMS (ground and air)
- Designated Trauma Centers - allows everyone understand a Hospital's Resources (what they can/can't care for – i.e. their role in the system)
- Trauma Band – unique identification of every trauma patient (allows patients to be tracked thru entire spectrum of care)
- TIR – less radiation exposure, decreased costs, early identification of injuries, efficiency at the receiving facility (time sensitive injuries)

### What Makes UAMS Different?

The only hospital in Arkansas...

- Designated as the Adult Level 1 Trauma Center
  - Get a patient to the OR in 10 minutes
- Fellowship Trained Trauma Surgeons:
  - Additional 1 – 2 years of trauma and surgical critical care training
- Trauma Surgeons in house 24/7/365
  - We retain control of patient from admission discharge
- Surgical Intensive Care Unit (SICU)/Surgical Intensivist
  - Best trauma outcomes
- Trauma Ward
  - All nurses have trauma specific training
- Multi-disciplinary Trauma Clinic

## Telemedicine in Action

### AR SAVES (Arkansas Stroke Assistance through Virtual Emergency Support)

- Program using high-speed video communications system to provide immediate, life-saving treatments to stroke patients 24 hours a day.
- AR SAVES is a partnership between the UAMS Center for Distance Health and the state Department of Human Services.
- Since the program began Nov. 1, 2008, more than 2,791 patients have received stroke consults through AR SAVES and 751 patients have received the blood-clot dissolving agent.
- Forty-six other Arkansas hospitals are participating in the AR SAVES program

### ANGELS (The Antenatal and Neonatal Guidelines, Education and Learning System)

- ANGELS' statewide network includes over 69 clinical and educational interactive video connections at 48 different self-sustaining sites across Arkansas.
- 101 obstetrical, 57 neonatal, and 39 pediatric evidence-based guidelines available for free on the ANGELS' website with 3,778 national and international registered users.
- Delivered over 21,000 high-risk obstetrical telemedicine consultations to rural women in FY 2014.
- Facilitated 5,499 maternal transports to the most appropriate hospital. Provided continuing obstetrical and neonatal education to 16,939 evidence-based conference attendees in FY 2014.



# UAMS Key Points

**T**he University of Arkansas for Medical Sciences was founded in 1879 by eight physicians. Today UAMS is the state's only academic health center, part of a statewide network of post-secondary education institutions of the University of Arkansas System governed by a 10-member Board of Trustees.

- The state's only academic health sciences center, with a mission to improve the health and health care of Arkansans through exceptional clinical care, education and research
- The state's largest public employer with more than 10,000 employees
- UAMS employees pay more in state taxes than UAMS receives from state funds
- An annual economic impact of nearly \$4 billion with its affiliates Arkansas Children's Hospital and the Veteran's Administration Medical Center
- Only 7.6 percent of \$1.4 billion operating budget derived from the state for FY 2016
- Patients from 52 foreign countries and all 50 states
- The state's only adult Level One Trauma Center (the highest level) which includes prompt availability of care for orthopedic surgery, neurosurgery, radiology, internal medicine and critical care
- Myeloma Institute, the largest program of its kind in the world, with an average survival rate twice the national average
- 73 degree and certificate programs offered by five colleges and a graduate school
- ANGELS - The only high-risk pregnancy program in Arkansas, with board-certified maternal-fetal specialists
- AR SAVES - UAMS-led statewide telemedicine stroke program for 24/7 access to a stroke neurologist
- The state's only poison control hotline
- The only liver transplant program in Arkansas
- The state's only ALS (Lou Gehrig's disease) treatment program and only research center for ALS (the J. Thomas May Center for ALS Research)
- Research funding of more than \$103 million in fiscal year 2014, more than any other university in Arkansas
- BioVentures business incubator, with nineteen companies that produce an annual payroll of \$26.5 million

- Statewide patient visits for FY14
  - More than 1 million outpatient visits (UAMS, Regional Programs, Arkansas Children's Hospital and Central Arkansas Veterans Healthcare System)
  - 24,849 inpatient discharges
  - 59,366 emergency department visits

## Around The State

- A regional campus in northwest Arkansas with four colleges
- 28-bed adult mental health unit at Northwest Medical Center in Springdale staffed by UAMS psychiatrists and psychiatry residents
- A physical therapy clinic
- Doctor of Physical Therapy degree program in 2015
- Eight regional centers and a comprehensive rural hospital program
- Eight centers on aging, placing 98 percent of seniors within a 60-mile radius of geriatric health care
- 11 KIDS FIRST sites, a day- treatment program for developmentally disabled children
- 35 pediatric subspecialty clinics throughout the state
- Employees living in 70 of the state's 75 counties

## Institutes

- Winthrop P. Rockefeller Cancer Institute
- Myeloma Institute
- Harvey & Bernice Jones Eye Institute
- Donald W. Reynolds Institute on Aging
- Jackson T. Stephens Spine & Neurosciences Institute
- Psychiatric Research Institute
- Translational Research Institute

## Colleges

- College of Medicine
- College of Nursing
- College of Pharmacy
- College of Public Health
- College of Health Professions

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## Contact Us

To make an appointment — (501) 686-8000 ■ For physician referrals — (866) UAMSDOC



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## UAMS Mission

To improve the health and health care of Arkansans

## UAMS Mission Statement

The mission of UAMS is to improve the health, health care and well-being of Arkansans and of others in the region, nation and the world by:

- Educating current and future health professionals and the public
- Providing high-quality, innovative, patient- and family-centered health care and specialty expertise not routinely available in community settings
- Advancing knowledge in areas of human health and disease and translating and accelerating discoveries into health improvements

## Core Values

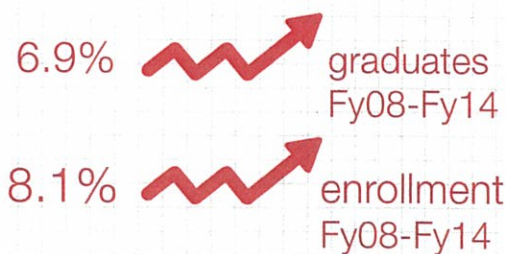
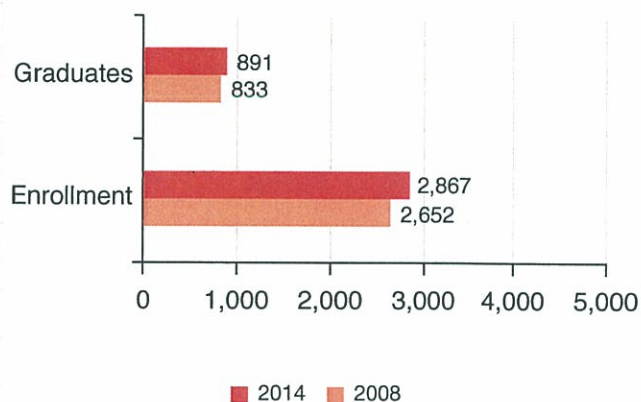
Integrity, Respect, Teamwork, Creativity, Excellence, Diversity

## Vision 2020

UAMS, with its intersection of education, research and clinical programs, brings a unique capacity to lead health care improvement in Arkansas. Among its assets for leadership are its status as the only academic health center in the state, its statewide network of centers for public education and clinical outreach, its emphasis on population health, and its leadership in health informatics and statewide information technology. In addition, UAMS has a unique capacity for translational research – speeding the rate at which research can inform clinical care and health improvement.

## Education

Student Metrics



- 2,890 students
- 782 residents
- College of Nursing – 712 students\*
- College of Medicine – 682 students\*
- College of Health Professions – 558 students\*
- College of Pharmacy – 468 students\*
- College of Public Health – 153 students\*
- Graduate School – 317 students\*

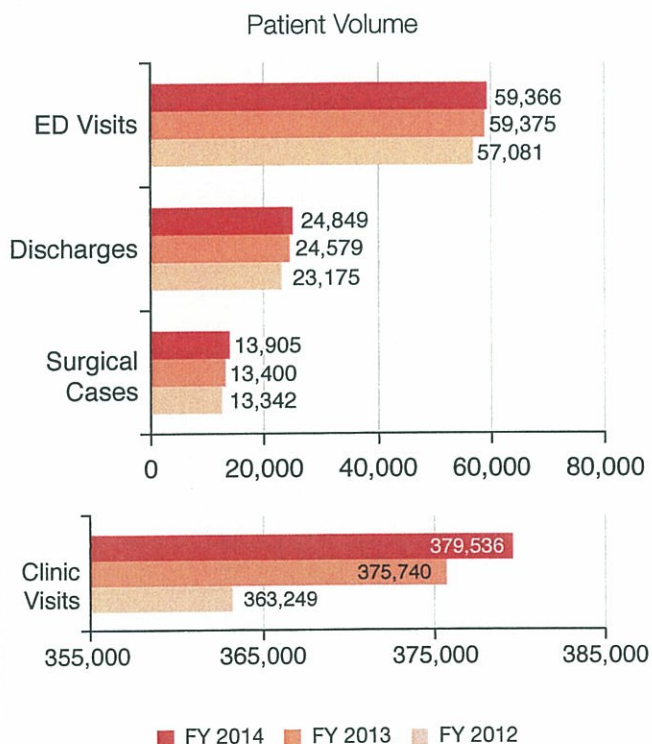
\* September, 2014



## Education (Continued)

- 1,429 faculty members
- The Donald W. Reynolds Department of Geriatrics educational program ranked in the *U.S. News & World Report* magazine's top 10 postdoctoral education programs in the U.S. for seven consecutive years
- Chronicle of Higher Education ranks Pharmaceutical Sciences program 5th in nation
- UAMS Northwest campus total enrollment 155
  - College of Medicine – 33
  - College of Pharmacy – 51
  - College of Nursing – 48
  - College of Health Professions – 26
  - Number of Residents – 32

## Patient care



- Family Medical Centers at six Regional Centers – 169,984 outpatient visits in FY 2014
- Hospital capacity – 332 adult beds, 64 newborn bassinets, 40 psychiatry beds
- Only adult Level One Trauma Center in Arkansas

- 912 College of Medicine clinicians staff UAMS Medical Center, Arkansas Children's Hospital and the Central Arkansas Veterans Healthcare System
- Faculty physicians at eight Regional Centers provide care and supervise residents at the UAMS Family Medical Centers located in six regions outside of central Arkansas
- The Myeloma Institute has treated more than 11,000 patients from every state in the U.S. and more than 50 countries.
- The Myeloma Institute has performed more than 9,500 peripheral blood stem cell transplants – more than any other center in the world – for multiple myeloma and related diseases.
- The expected five-year survival rate for newly diagnosed myeloma patients treated at the Myeloma Institute is 74%, versus 43% for a comparable patient population in the NCI cancer statistics (SEER) database
- Only adult sickle cell clinic in Arkansas
- Only adult spina bifida clinic in Arkansas
- Only adult cystic fibrosis center in Arkansas
- Only ALS (Lou Gehrig's Disease) treatment center in Arkansas
- Only cord blood bank and adult blood stem cell collection unit in Arkansas
- First liver transplant in Arkansas
- Only liver transplant program in Arkansas
- First bone marrow transplant in Arkansas
- Liver and kidney transplant survival rates higher than national average
- First accredited echocardiography lab for careful cardiac diagnosis
- Only high-risk pregnancy program in Arkansas, with board-certified maternal fetal specialists.

## Institutes

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- Harvey & Bernice Jones Eye Institute
- Myeloma Institute
- Donald W. Reynolds Institute on Aging
- Jackson T. Stephens Spine & Neurosciences Institute
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## Research

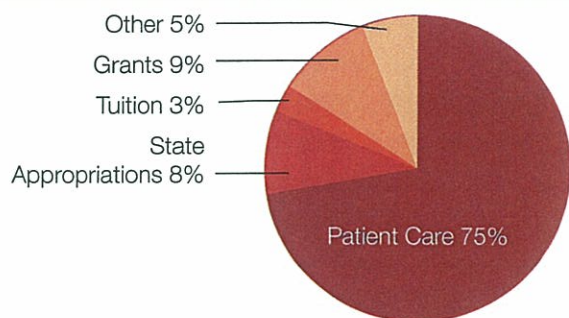
- Total research funding more than \$103 million across UAMS and UAMS researchers working in the Arkansas Children's Hospital Research Institute and Central Arkansas Veterans Healthcare System
- Ranking in top 18% of all U.S. Colleges & Universities in research funding from federal government
- Total National Institutes of Health (NIH) funding – \$52.5 million
- More than 500,000 sq. ft. devoted to research on UAMS campus
- The UAMS BioVentures business incubator has created 46 companies since its beginning, currently 19 of these companies produce annual payroll of \$26.5 million.
- Contributing to expand scientific knowledge: 1099 articles in scientific journals included UAMS-affiliated authors in 2012-2013; a 65% increase from 2003 to 2013.
- Home to Arkansas Biosciences Institute – A research consortium of Arkansas institutions using funds from the state's tobacco settlement on work to reduce or prevent smoking-related illness
- World leader in multiple myeloma research and treatment
- Cancer Institute – two new research floors opened in 2012 with 33,660 sq. ft.
- Translational Research Institute - Funded by \$19.9 million award in 2009 from NIH to support research that will improve health and health care
- UAMS is an active participant in the Arkansas Research Alliance
- Fully operational Research Data Warehouse that facilitates clinical and translational research and houses data on more than 1 million unique patients
- J. Thomas May Center for ALS Research – only research for Amyotrophic lateral sclerosis in Arkansas

## Statewide Reach

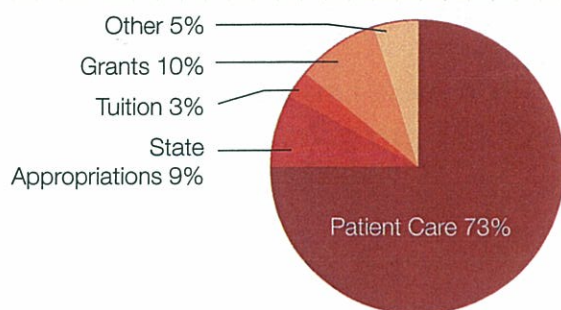
- Eight Regional Centers and a comprehensive Rural Hospital Program
- 11 KIDS FIRST Program Sites
- Regional campus in Northwest Arkansas
  - UAMS students participate in delivering care to residents in the Arkansas State Veterans Home
  - Has education programs for the Colleges of Medicine, Pharmacy, Nursing and Health Professions
  - Physical therapy clinic opened in 2014
  - Doctor of Physical Therapy program begins in 2015
  - Expanded access to medical and mental health care with new psychiatric medical residencies
- 35 Pediatric Subspecialty Clinics
- Head Start - 14 sites in Pulaski County serve 840 children ages 3-5, and three sites serve 88 infants and toddlers
- Poison Control Hotline – 40,000 calls/year
- Nine Centers on Aging, a part of the Donald W. Reynolds Institute on Aging
- Center for Distance Health Stroke Diagnosis and Treatment Network – connecting 45 rural Arkansas hospitals with stroke neurologists
- Center for Distance Health ANGELS high-risk pregnancy consultation, diagnosis through real-time telemedicine with 36 sites across Arkansas
- Evidence-Based Prescription Drug Program (College of Pharmacy) saved state \$70M since inception in 2005
- Arkansas e-Link – linking health, education, research and public safety by connecting 454 sites across the state to a 5,600-mile high-speed optical network making Arkansas one of the most well-connected states in the country
- Nine Schmieding Home Caregiver Training Program sites across the state
- The Psychiatric Research Institute's Psych TLC program in partnership with the Arkansas Department of Human Services, provides Arkansas' primary care physicians with access by telephone to child and adolescent mental health expertise



## Financials



2015 Budgeted Revenue FY2015 = \$1.26 Billion



2014 Budgeted Revenue FY2014 = \$1.25 Billion

2015 Budgeted Revenue

Patient Care	\$941,803,484	75%
Grants/Contracts	\$110,352,514	9%
State Appropriations	\$106,650,159	8%
Gifts/Other	\$64,560,681	5%
Tuition/Fees	\$39,058,534	3%
<b>Total Revenue</b>	<b>\$1,262,425,372</b>	<b>100%</b>

## Economic Impact\*

- \$ 3.92 billion/year economic impact – UAMS and affiliates Arkansas Children's Hospital and Central Arkansas Veterans Healthcare System
- The eight regional centers (formerly AHECs) generate 657 jobs and \$87 million annually in economic impact across the state.
- UAMS BioVentures business incubator – 46 companies started, current annual payroll of \$26.5 million
- 806 graduates in 2009; projected economic productivity calculated at \$31.4 million annually

\* Battelle Memorial Institute, December 2010

## Advancement

- More than 1,400 volunteers donate their time, energies and talents each year at UAMS
- More than 400 business and community leaders serve on 20 distinct UAMS-affiliated Advisory Boards
- Contributions from donors in all 50 states, the District of Columbia, Puerto Rico and 15 other countries
- The University of Arkansas Foundation has earned a top 5 percentile ranking among more than 50 of the nation's largest university endowments in terms of the trailing five-year investment performance
- More than 9,000 donors made charitable gifts last year totaling \$40.7 million, compared to \$18.5 million raised in 2011
- Contributions fueled, in large part, a 55 percent increase of building space in the last nine years to reach 4.23 millions square feet
- During FY 14, UAMS's cost to raise a dollar was 13 cents - a fraction of the 31 cent peer average according to the Association for Healthcare Philanthropy (AHP)
- Private philanthropy essential for critical growth and support of:
  - Cutting-edge research
  - Patient-centered programs
  - Faculty support
  - Student scholarships
  - Statewide programs and outreach
  - New and enhanced facilities
  - State-of-the-art equipment

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