

impact on Houston

The University of Texas Medical Branch at Galveston ★ The University of Texas Health Science Center at Houston
The University of Texas MD Anderson Cancer Center

Ashbel Smith,
"Old Red"
Building at UT
Medical Branch -
Galveston

The University of Texas System

Through its three health institutions in the Houston area — UT Medical Branch at Galveston (UTMB), UT Health Science Center at Houston (UTHealth) and UT MD Anderson Cancer Center — The University of Texas System generates critical tax revenue and employment for the region. Collectively, the three institutions directly employ 33,964 faculty and staff members (fall 2010) and have a combined budget of \$5.7 billion (FY 2011).

In 2008, 11 percent of all students at UT System academic institutions were from Harris and adjacent counties. At the three Houston-area UT health institutions, more than 56 percent of the students are from Harris and the seven surrounding counties. Of all students attending a public or private Texas health institution, 16 percent attend one of the Houston-area UT System institutions and also are from the region.

RECOGNITION

A Texas Medical Center member since 2010, UTMB supports the economic health of the region even as it contributes to the health of the population. The university's economic impact in the Houston region is \$2.5 billion in total expenditures, nearly \$1 billion in personal income and more than 18,000 jobs. The total statewide impact, including research activity and the value of medical services by UTMB alumni, amounts to \$30 billion in total expenditures. *Houston Business Journal* has named UTMB one of the best places to work and, in spring 2011, honored two faculty as Healthcare Heroes: Dr. Garland Anderson (Lifetime Achievement Award for his work to increase access to quality care for women and children) and Dr. David Yngve (for a minimally invasive technique to improve range of motion in children with cerebral palsy). Among many other faculty highlights, Dr. James LeDuc, director of the Galveston National Laboratory, joined the world's top virologists in establishing a new consortium dedicated to identifying and combating new and emerging viral threats to human health. .

UTHealth, one of only four institutions in the country to receive funding through the Strategic Health IT Advanced Research Projects (SHARP) Program, is a national leader in the development of electronic patient records to streamline the exchange of information, increase patient safety and lower costs. Scientists at the UTHealth School of Biomedical Informatics (SBMI) are creating a national center to research user-friendly electronic record systems. UTHealth is the only academic health center in the country with a graduate School of Biomedical Informatics, a field critical to improving health care and healthcare delivery.

UTHealth scientists are also recognized for their achievements in other critical areas of research and patient care, with notable recent work in trauma, the leading cause of death for Americans ages 1 to 44. UTHealth researchers led a consortium of regional universities that received a \$30 million Traumatic Brain Injury grant funded by the Department of Defense to improve the diagnosis and care of soldiers with brain injury.

Since 1944, about 800,000 patients from around the world have turned to UT MD Anderson for cancer care. In 2010 *U.S. News & World Report* ranked UT MD Anderson as the nation's top hospital for cancer care. UT MD Anderson has achieved the top ranking seven times in the past nine years and has ranked as one of the top two hospitals for cancer care since the magazine began its survey in 1990. UT MD Anderson holds accreditation by the Joint Commission. In 2010, it received Magnet Nursing Services Recognition from the American Nurses Credentialing Center for the third time. UT MD Anderson is ranked among the Top 40 Best Places to Work for postdoctoral fellows, according to a 2010 survey conducted by *The Scientist* magazine.



Faye S. Sarofim
 Research Building
 at UT Health
 Science
 Center Houston

The University of Texas System

ACADEMIC GROWTH AND SUCCESS

Since holding its first class in 1891, UTMB has awarded more than 34,000 degrees through its schools of medicine, nursing, health professions and biomedical sciences. UTMB has educated more physicians than any other Texas medical school. The university currently enrolls 2,660 in its four schools and employs 501 medical residents in its graduate medical education programs. Curricula support “synergy,” a program designed to provide students in all four schools the opportunity to learn the principles of patient-centered, team-based care. UTMB ranks first in graduating under-represented minority students and, for the past four years, its students have posted the highest first-time pass rate of any public medical school in Texas on Step 1 of the national medical licensure examination. Nursing students likewise score well above the national average on the NCLEX licensing exam.

UTHealth is a comprehensive academic health center that educates the largest number of healthcare professionals in the state — more than 5,000 each year. Its six schools — including the nation’s seventh-largest medical school and third-largest school of public health — working collaboratively, focus on critical areas of health care in Texas, with signature programs in aging, early childhood development, neurology and trauma care, obesity and related diseases, and molecular medicine; and the development of innovative curricula designed to expand the healthcare workforce. UTHealth offers 19 degree and certificate programs in the biomedical sciences, dentistry, health informatics, medicine, nursing and public health. Because advances in science and health care increasingly occur at the intersection of disciplines, UTHealth encourages interdisciplinary study, offering 10 dual/joint degree programs.

UT MD Anderson Cancer Center is one of the world’s most highly regarded academic institutions devoted to cancer patient care, research, education and prevention. The institution’s School of Health Professions offers bachelor’s degrees in eight allied health disciplines: clinical laboratory science, cytogenetic technology, cytotechnology, diagnostic imaging, histotechnology, medical dosimetry, molecular genetic technology and radiation therapy. UT MD Anderson and the UT Health Science Center at Houston together award doctoral and master of science degrees at the UT Graduate School of Biomedical Sciences, which the two UT institutions operate jointly.

PATIENT CARE

The UTMB Health System is a major provider of health care services in the greater Houston/Galveston region and beyond, with a 400-bed hospital in Galveston and a network of 35 community-based clinics serving communities in Harris and Galveston counties, including the Speciality Care Center at Victory Lakes. In FY 2010, UTMB recorded 29,000 inpatient admissions and 600,000 clinic visits. In spring 2011, UTMB was redesignated a Level I trauma center, one of only three such centers serving adult patients in Southeast Texas.

UTHealth provides comprehensive primary and specialty care in more than 1 million patient encounters a year through its clinics and teaching hospitals. The university has the largest faculty group practice in Houston — UT Physicians — with more than 900 physicians certified in 80 medical specialties practicing at nine locations throughout the Houston community. Our primary teaching hospital, Memorial Hermann-Texas Medical Center, has a Level 1 trauma center, often cited as the busiest in the nation. UTHealth is also a leader in health promotion, disease prevention and public awareness of healthcare issues. Its School of Public Health has the No. 1-ranked doctoral program in health promotion in the nation and six regional campuses aligned with area needs in Texas.

More than 105,000 people received outpatient care at UT MD Anderson in FY 2010, about one-third of them new patients. There were nearly 10,000 registrants on clinical trials exploring novel treatments, the largest such program in the nation.



Proton Therapy
Center at UT
M. D. Anderson
Cancer Center

The University of Texas System

RESEARCH

The three UT System health institutions in the Houston area spent \$944.69 million in research in FY 2010.

UTMB invested \$156.8 million in research in FY 2010, and seven of its School of Medicine departments ranked in the NIH Top 25 among their peers. The university's School of Health Professions is ranked sixth nationally in NIH funding. Grants to UTMB included a five-year, \$21.5 million Clinical Translational Science Award to accelerate the transformation of basic science discoveries into clinically useful knowledge and treatments. Based on its unparalleled strength in infectious diseases research, UTMB was one of six institutions nationwide to be chosen by the National Institute for Allergy and Infectious Diseases to conduct pediatric trials for the H1N1 flu vaccine. A \$10.9 million grant to UTMB established the only NIAID Clinical Proteomics Center in Biodefense in the U.S. And, the Galveston National Laboratory at UTMB is now fully commissioned for biosafety level 4 research. In addition, UTMB is home to the only cryo-electron microscope operating in a biosafety level 3 environment.

UTHealth investigators conducted \$240.8 million in research in FY 2010. By April 2010, UTHealth had received \$84.8 million in stimulus grant money through the American Recovery and Reinvestment Act of 2009 (ARRA). Dr. Eric Boerwinkle, director of the Human Genetic Center received a \$26 million federal stimulus grant, the single largest federal stimulus grant awarded through the ARRA. UTHealth scientists also received two of only seven National Institutes of Health Challenge Grants for human embryonic stem cell-related research. The grants, totaling nearly \$2 million, will be used to research experimental treatments for blood disorders and inherited lung diseases affecting children.

In FY 2010, UT MD Anderson invested \$547 million in research. It ranks first in the number of grants and total grant dollars awarded by the National Cancer Institute. UT MD Anderson has a total of 12 National Cancer Institute-funded Specialized Programs of Research Excellence (SPORE) grants, more than any other medical institution in the country. It holds SPORE grants for research in the following cancers: brain, breast, genitourinary, head and neck, leukemia, lung, lymphoma, melanoma, myeloma, ovarian, prostate and uterine. In addition, the Red and Charline McCombs Institute for the Early Detection and Treatment of Cancer is composed of six centers focused on genomics, proteomics, screening, diagnostic imaging, proton therapy and drug development.

MEDICAL CARE FOR THE UNDERSERVED:

The UT System provides a wide array of health care services to Texas' medically uninsured, who represent about 25 percent of the state's population. In FY 2010, UT System health institutions' faculty and hospitals provided nearly \$619 million in uncompensated care — measured by cost — for the uninsured and underinsured. This estimate is determined after recognizing financial support from patients and federal, state and local government programs.

UT SYSTEM'S COMMITMENT:

The core commitment of the University of Texas System is to education as a life-transforming experience. The System is dedicated to strengthening the entire education enterprise, from pre-kindergarten through post-graduate studies. UT System's 15 institutions are composed of thousands of people who are making a difference in Texas and in the global community.



The Dental Branch Building at UT Health Science Center-Houston

The University of Texas System

facts at a glance

UT MEDICAL BRANCH – GALVESTON

Year Established: 1891
Year Joined UT System: 1891
Enrollment: 2,660 (Fall 2010)
Degrees Awarded: 841 (2009-2010)
Faculty: 1,198 (Fall 2010)
Personnel*: 9,767 (Fall 2010)
Budget: \$1.62 billion (FY 2011)
Research Spending: \$156.8 million (FY 2010)
President: David L. Callender, M.D.
For Information: 409-772-2618
Website: www.utmb.edu

UT MD ANDERSON CANCER CENTER

Year Established: 1941
Year Joined UT System: 1941
Enrollment: 248 (Fall 2010)
Degrees Awarded: 191 (2009-2010)
Faculty: 1,954 (FY 2010)
Personnel*: 15,924 (FY 2010)
Budget: \$3.165 billion (FY 2011)
Research Spending: \$547 million (FY 2010)
President: Ronald A. DePinho, M.D.
For Information: 877-MDA-6789
Website: www.mdanderson.org

UT HEALTH SCIENCE CENTER – HOUSTON

Year Established: 1972
Year Joined UT System: 1972
Enrollment: 4,485 (Fall 2010)
Degrees Awarded: 1,038 (2009-2010)
Faculty: 1,561 (Fall 2010)
Personnel*: 3,560 (Fall 2010)
Budget: \$903.2 million (FY 2011)
Research Spending: \$240.8 million (FY 2010)
President *ad interim*: Giuseppe N. Colasurdo
For Information: 713-500-4472
Website: www.uthouston.edu

* Does not include student workers.



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