With expenditures exceeding $940 million in 2012, MUs medical school, hospitals and clinics generated approximately $2 billion in economic impact last year. According to the Association of American Medical Colleges, for every dollar spent by a medical school or teaching hospital, an additional $1.30 is indirectly generated for every dollar spent by a medical school or teaching hospital. Additionally, MUs medical school has produced nine of the top 10 licensed products ranked by revenue at the University of Missouri. Of these 10 commercial products, medical school discoveries have resulted in $69 million of the $73 million in total revenue to MU. The leading departments are surgery, No. 1, and radiology, No. 2.

- The annual community economic impact from just one physician exceeds $1 million. As a result, MU practicing physician alumni and faculty members generate $2 billion in annual economic impact in Missouri.
- MU and Cerner, the worlds leading supplier of health information technology, are partners in enhancing electronic health records. MU is recognized as having one of the nations top 100 most wired hospital networks, and it has achieved the most advanced level (Stage 7) of electronic health records technology implementation.
- MUs health system has more than 8,600 employees, including 2,500 medical school faculty and staff members.
- MU is the primary provider of physicians in Missouri. More Missouri physicians received their medical degree from MU than from any other university. MU has 7,700 physician alumni, and 4,300 of them are in Missouri.
- MU faculty physicians treat patients from every county in Missouri through a comprehensive network of hospitals, clinics, outreach programs and telehealth sites. In addition to teaching and conducting research, MU physicians provided more than 50,000 clinic visits, performed more than 22,000 major surgeries and delivered more than 1,700 babies in 2012.
- MU physicians provide highly specialized care for the state and mid-Missouri. MU has its region’s only hospital for children, the most experienced team for women and infants, the most comprehensive orthopaedic surgery center, the only Level I trauma center, Missouri’s official cancer center, and nationally certified centers of excellence for chest pain, bariatric and stroke care.
- MU has $320 million in patient care construction projects recently completed or under way. Projects include a new patient care tower connected to University Hospital, relocating Ellis Fischel Cancer Center outpatient services to campus, a new Missouri Orthopaedic Institute, Missouri Psychiatric Center renovations, and a consolidated Children’s Hospital.
- MU has one of the first and largest telehealth networks Missouri Telehealth Network (MTN) serves more than 60 counties with more than 200 telecommunication sites. MTN began in 1994 as one of the first public-private partnerships in telehealth.
- MU hospitals and clinics are ranked No. 2 out of more than 100 hospitals in Missouri.
- MU physicians and other health care professionals provided more than $32 million in charity and uncompensated care to patients in 2012. MU is one of only two safety-net medical centers in Missouri.
• MU has an internationally admired medical education program. MU’s medical school is a leader in using patient-based learning to integrate basic and clinical sciences into patient cases. Students are exposed to patient care beginning in their first year of medical school, and they benefit from innovative interdisciplinary teamwork training and a state-of-the-art clinical simulation center.

• MU medical students significantly outperform their peers on licensing exams and residency program director reviews.

• MU medical school’s highly acclaimed rural track program creates a pipeline that attracts students from rural Missouri, encourages them to study at MU, and then supports their placement as practicing physicians in rural communities.

• MU’s medical school has top-ranked academic programs in family and community medicine, primary care, physiology and health management.

• The Heyssel Senior Teacher Educator Partnership (STEP) program supports education about the joys and challenges of aging by partnering medical students with seniors living independently in the area.

• Medical students recognize patients as teachers with essays, art and an annual ceremony by participating in the Legacy Teachers Program created by MU.

• MU’s medical school was established more than 165 years ago as the first public medical school west of the Mississippi River. MU awarded its first medical degrees in 1846.

In 1993, the University of Missouri School of Medicine implemented a curriculum that substantially reduced lectures in favor of patient-based learning. The curriculum emphasizes problem-solving, self-directed learning and early clinical experiences rather than memorization. The curriculum’s success is illustrated in the following graph of national licensing exam scores.

• MU’s medical school received the Academy for Healthcare Improvement’s Duncan Neuhouser Award for Curricular Innovation in 2011. The award recognized the school’s Interprofessional Safety Simulation Program, which teaches patient safety and quality improvement to medical students and others studying to become health care professionals.

• MU is one of six sites to participate in the nationwide Retooling for Quality and Safety project. Funded by the Institute for Health Care Improvement and Josiah Macy Jr. Foundation, the project involves groups of MU medical and nursing students. They are helping to develop and implement innovative methods of integrating health care improvement content into required curricula at participating universities.

• MU medical students in partnership with other health professions students have been awarded first place three times in the CLARION Interprofessional Team Case Competition. Students present a multidisciplinary approach to patient care to a panel of judges, who evaluate each presentation on the content and real-world standards of practice.

• MedZero, a free community health clinic created and operated by MU medical students, has provided health care to the uninsured since it opened in October 2008.

• MU medical school’s externally funded grant and contract expenditures have increased 25 percent since 2006 and exceeded $47 million in 2012. Research expenditures, from sources such as the NIH, increased from $26 million to $35 million.

• The MU School of Medicine jumped 15 places in the annual ranking of medical schools in terms of National Institutes of Health funding from 2005 to 2012. MU medical school annual NIH grant expenditures have increased more than 40 percent since 2006.

• MU opened a new Clinical Research Center at the medical school in 2012. The center is advancing drug and device development involving scientists across MU by supporting each phase of the clinical trials process. The center contains an advanced inpatient Phase 1 clinical trials unit, seven patient examination rooms, a metabolic kitchen, exercise facility, and a variety of information technology resources.

• MU’s medical school received its largest grant ever in 2012. The $13.3 million federal award is helping MU combine advanced electronic health records technology with education for patients and providers in an effort to transform the nation’s health care system.

• MU’s medical school is leading the campus in developing an Institute for Clinical and Translational Science. The institute helps transform discoveries made in laboratories across MU into community-based products, services and practices for the state and nation.

• The Wallace H. Coulter Foundation and MU have a $5 million grant partnership that began in 2011 to support translational research projects between biomedical engineers and clinicians. MU is one of 15 institutions in the country selected to establish a Coulter Translational Partnership Program.

• MU has extraordinary resources for improving health through research. MU is one of only five universities nationwide with schools of medicine, veterinary medicine, law and a nuclear research reactor on one campus. MU also is one of only six public universities in the country with these schools as well as engineering and agriculture colleges on one campus.

• MU is the only university with three NIH national centers in comparative medicine. MU’s National Swine Resource and Research Center is the country’s only repository and distribution site for swine models. MU also houses the only Rat Resource and Research Center and one of three regional Mouse Resource and Research Centers in the U.S. MU also is one of 12 sites selected for the new NCI Comparative Oncology Trials Consortium, and MU has one of 13 regional biocentation laboratories in the nation.

• In partnership with MU’s medical school, MU’s Research Reactor has become the largest U.S. producer of radiotopes for biomedical and medical applications. MU has the nation’s most powerful university reactor.

• MU boasts some of the world’s top scientists in nanomedicine. MU is home to one of only 12 nanotechnology platform partners as designated by the National Cancer Institute, and it formed a drug development partnership with an international pharmaceutical firm in 2010. MU medical school’s Institute of Nano and Molecular Medicine is led by National Medal of Science winner, National Academy of Sciences member and Priestley Award recipient Fred Hawthorne, PhD, one of the world’s best chemists.

• In partnership with Truman Veterans Hospital, MU’s medical school operates one of the world’s best biomolecular imaging centers. The center produces high resolution anatomic and molecular images of rodents for radiopharmaceutical and other biomedical research. The center was created in part with a $10 million grant from the National Cancer Institute.

• The MU School of Medicine Department of Medical Pharmacology and Physiology ranks third in terms of research grant funding among the American Physiological Society and ranks among the top 25 such departments in terms of National Institutes of Health funding. In collaboration with other units, the department has become a leader in research on cardiovascular disease, diabetes, exercise and nutrition.

• MU medical school’s online courses offer educational opportunities to students interested in continuing their medical school education.

• MU’s medical school is often to be a leader in teaching competencies by developing new and innovative programs.

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