



Commitment you can see.
Tradition you can feel.



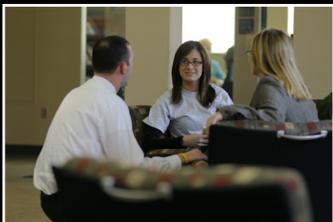
The University of South Dakota

CNN Names USD Invention One of the “Top 10 Health Innovations of 2009”



Your wall paint could protect you from dangerous bacteria, according to scientists at the University of South Dakota. They have invented a germ-killing molecule that can be added to paint and cloth to give it antimicrobial properties. The bleach-like substance called an N-halamine Cl-TMPM would be able to fight hospitals' "superbugs," said to kill an estimated 88,000 people each year in the U.S. alone. The antimicrobial substance would last over one year, but would need to be cleaned approximately every one to two weeks. The lead researcher, Dr. Yuyu San, is now in talks with commercial paint brands for partnerships.

Antimicrobial Paint



Enrollment



Research



Scholarship



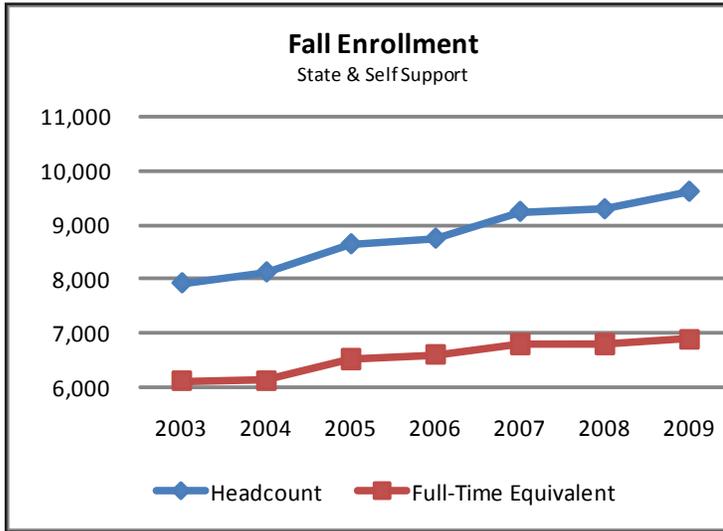
Commitment

OUR VISION ...the best small, public flagship university in the nation.

Student Success

▲ Enrollment Trends

- Head count is up 21.5% in 7 years
- Full-Time Equivalents are up 12.7% in 7 years



▲ Graduation Trends

- Averaging 4% more graduates each year

	FY2003	FY2009	7 Year Growth	Annual Avg Growth
Associate Degrees	149	310	108%	15%
Baccalaureate Degrees	640	848	33%	5%
Masters & Education Specialist (*)	435	415	-5%	-1%
Ph.D/Ed.D/ Professional	165	222	35%	5%
Total	1389	1795	29%	4%

**Physical Therapy program changed from Masters to Professional degree in FY2007*

▲ Retention

- Retention rate improved from 68.3% to 72.5%

▲ Evidence of Excellence - National Scholarship Winners



USD's 11th Fulbright Scholar, Zach Crago



USD's 13th Truman Scholar, Heather Fluit



USD's 10th Goldwater Scholar, Winnie Zou

Access and Retention Initiatives

▲ Academic Commons

- Centralized academic and advising services

▲ Meeting Student Needs

- Wellness Center
- Student Housing
 - Coyote Village
 - Renovation of low-cost option dorms
- Coyote Commitment Scholarships

▲ Statewide Higher Education Opportunities Delivered by USD

- Anytime, Anywhere learning
- 21.6% enrollment growth in 4 years
 - Distance
 - University Centers

▲ Teacher Education

- \$3.9M USD-Bush Foundation Partnership
- Teacher Quality Partnership, \$2.2M for 5 years

▲ Health Sciences Major

▲ Technology - Contemporary Instruction

- Wireless infrastructure scheduled completion Fall 2010
- Integration of technology into courses
 - Pilot courses offered Fall 2009, Spring 2010
 - Faculty training underway
- Students will be experienced users of modern technology
 - Discipline relevant tasks in the classroom
 - Acquire critical technology competence

Research and Economic Development

▲ CNN Names USD Invention One of the "Top 10 Health Innovations of 2009"

- Infection-fighting invention licensed to Antimicrobial Technologies Group (ATG) for commercialization
- For use in clothing, paint, medical and dental tubing, etc.
- Fights bacteria, viruses, etc.
- Inventor, Dr. Yuyu Sun, has received \$925K in research funding in 2.5 years.

▲ GEAR Center - Facilitates University-Business Research Partnerships

- ATG - the company commercializing USD's anti-infection invention leases space at the GEAR center
- Research space fully leased, expansion planning underway

▲ Neuroscience and behavioral research grants

- \$14M in grants in 4 years
- Post-traumatic stress disorder, traumatic brain injury, and alcohol and drug use
- Several important studies for SD's returning soldiers



▲ **Underground physics research**

- USD lead university for Governor's 2010 Center for Ultra-low Background Experiments for DUSEL (CUBED)
- \$3.8M in grants awarded to USD for physics research over 3 years.

▲ **Research Growth**

- First IGERT awarded to South Dakota
 - o \$3M over five years to support development of solar devices
 - o USD lead institution for NSF IGERT grant
 - o Statewide collaboration - USD, SDSU and SDSM&T
 - o Technical workforce for renewable energy development
- USD's awards in 1st half of FY10 are at a record high
- College of Arts & Sciences awards increased 3 fold in 4 years to \$8.4M

Fiscal Stewardship: FY2010 and Beyond

▲ **\$2.9M cut to address structural deficit and fund permanent obligations**

- 19 vacant positions eliminated/frozen
- 14 filled positions cut
- 2 positions, hours reduced
- \$383,079 cut from operating budgets

Commitment. To you. To your future. You can see it all around you at The University of South Dakota. You'll see it in the newly constructed Muehner University Center. Soon, you'll also see it in our new wellness center, and student apartments and suites. You'll experience it while learning at our new Reason School of Business Building, the Al Noshahr Media Center, USD's Sanford School of Medicine, or working in one of our 2010 research centers. You'll hear it in the roar of the crowd at your first USD Division I game, cheering on the Yates. You're preparing yourself for the future, so take a look at the University that's preparing itself for you.

Commitment you can see.

Call 877-COYOTES to schedule a visit.

It just feels like what a college should be. Start at Old Main, the heart of USD. Walk through tree-lined pathways past columns and pillared, quartzite buildings. You have seen more than a century of student tradition.

Tradition you can feel.

Call 877-COYOTES to schedule a visit.

▲ **Efficiency efforts**

- Shared services units established for system-wide efficiencies
- Enterprise Resource Planning system
- Established process of program reviews
- LEED Certification
 - o Lee Medicine Building first public LEED building in the state
 - o Coyote Village and Wellness Center to be LEED certified

▲ **Peer comparisons**

Total Funding per Full-Time Equivalent Student FY2008			
	USD	Peer Avg	USD % of Peer Avg
Instruction per FTE	\$ 8,272	\$ 10,321	80%
Research per FTE	\$ 2,422	\$ 5,473	44%
Public service per FTE	\$ 1,739	\$ 2,210	79%
Academic support per FTE	\$ 2,726	\$ 2,960	92%
Student services per FTE	\$ 1,342	\$ 1,538	87%
Institutional support per FTE	\$ 1,279	\$ 2,387	54%
O & M of plant per FTE	\$ 1,044	\$ 2,367	44%
Scholarships per FTE	\$ 938	\$ 1,191	79%
Other expenses per FTE	\$ 2,194	\$ 5,229	42%
Total edu & gen. exp per FTE	\$ 21,955	\$ 33,676	65%

- USD operates efficiently
- USD is a great value
 - o Resident undergraduate – 3rd lowest total cost regionally
 - o Resident graduate – Lowest total cost regionally

Budget Priorities: FY2011

▲ **Physics PhD - \$970,000**

- Collaborative effort involving three SD Universities – builds on successful master's program
- Industry partnership opportunities
- Develop research workforce for DUSEL
- Extramural funding to be obtained for University match

▲ **Health Insurance**

Continuing and Emerging Needs: FY2011 and Beyond

▲ **Salary Competitiveness**

▲ **Maintenance and Repair for Academic Buildings**

▲ **Accreditation Requirements Escalating**

- Dental Hygiene
 - o Effective January 2009
 - o From 1:6 to 1:4 faculty to student ratio
 - o Additional cost - \$157,371 per year or \$990.75 per student per semester

▲ **Research Funding**

- Research scientists
- Facilities and equipment



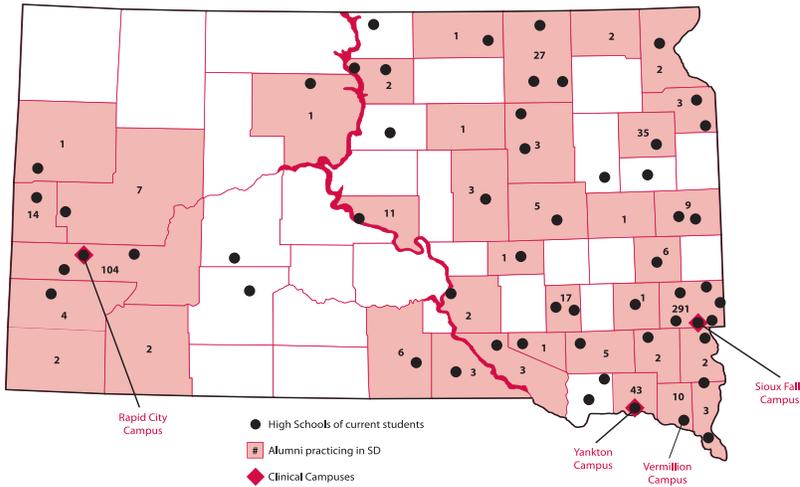
SANFORD SCHOOL OF MEDICINE

The University of South Dakota



The University of South Dakota Sanford School of Medicine

Continuing and Emerging Needs: FY2011 and Beyond



Healthcare Occupations with Needs Recognized by SD Department of Health					
NOTE: FY11 dollars - no inflation built in for future					
	Avg Annual Demand	Current Class Size	Expanded Class Size	Start-up cost	Expansion Additional Annual Expense
Highest Need:					
Physicians	66	50	65	\$ 2,301,818	\$ 2,680,262
Physician Assistants	23	20	24		\$ 688,479
Medical Lab Technician	25	18	27		\$ 38,317
High Need:					
Registered Nurse (ASN)	434	262	314		\$ 617,687
Physical Therapist	24	26	32		\$ 144,870
TOTAL				\$ 2,301,818	\$ 4,169,615

Residency Education

- Critical to retention of MD's in South Dakota
- Pediatric residency scheduled to begin in FY2011
- Surgery and Ob-Gyn residencies needed

Residencies	2009 Available	2009 Filled
Internal Medicine	9	9
Psychiatry	3	3
Child & Adolescent Psychiatry	1	1
Pathology	2	2
Transitional Year	6	6
Family Medicine - Sioux Falls	9	9
Family Medicine - Rapid City	8	8
Total	38	38

Accreditation

- Excellent site visit by accreditors
 - o 9 strengths identified
- Final report expected in February 2010

Service - Coyote Clinic

- Student organized and managed for underserved
- Physician faculty serve as volunteer clinic mentors

Research

- Behavioral Genomics Research Institute
- USD-SDSU healthcare alliance awarded \$285,000 to Coyote Clinic for treating underserved with diabetes

School of Public Health

Salaries / Succession Planning

- Medical professional salaries increasing rapidly nationwide
 - o Immediate need: Surgery Chair
 - o Future need: VPHA/Dean Sanford School of Medicine

