UNMC accomplishments improve health care
This special edition commemorates the vast accomplishments — albeit a mere fraction — made by University of Nebraska Medical Center faculty, staff and students during the 2011-2012 fiscal year.

UNMC Chancellor Harold M. Maurer, M.D., explains how the medical center’s proposed $370 million Comprehensive Cancer Center and Ambulatory Center Project will transform the campus, city and region. “This is one of the most significant projects ever undertaken in Omaha,” he said.

The University of Nebraska Medical Center never rests on its laurels. Each year, UNMC’s visionary leaders reach further to strategically impact and improve health care for all Nebraskans. 2011-2012 was no different.

During that time, the College of Public Health received full accreditation, research doors opened with the University of Nebraska being named one of only 14 U.S. institutions to host a University-Affiliated Research Center and a center to promote primary care statewide became a reality.

That is only the tip of a long list of accomplishments that highlight why Nebraskans count on UNMC to fuel discovery, tackle the toughest challenges, sustain strong communities and be a trusted resource for health care excellence.

“Our faculty, staff and students play an essential role in the health care excellence of all Nebraskans,” said Chancellor Harold M. Maurer, M.D. “It is our goal to make life better for everyone in all corners of our state, as well as beyond.”

The UNMC accomplishments — listed in the pages that follow — are categorized according to the medical center’s strategic plan priorities and were selected from a long list of achievements submitted by each unit.

Albeit a mere fraction, these are some of the achievements that occurred this past year.
EDUCATION

The UNMC College of Public Health (COPH) received accreditation for a five-year term extending to Dec. 31, 2016, from the Council on Education for Public Health.

COPH student enrollment increased 33 percent to 147, and included 34 PhD students, 89 master of public health students and 24 certificate of public health students.

COPH faculty developed two new master of public health degrees with concentrations in health policy and social marketing and health communication.

COPH faculty in the departments of biostatistics and epidemiology developed and received approval for PhD programs in biostatistics and epidemiology with the first cohorts of students enrolling in fall 2012.

COPH faculty developed and received approval for a master of science in emergency preparedness with concentrations in health policy and social marketing and health communication.

COPH Center for Biosecurity, Biopreparedness, and Emerging Infectious Diseases (CBBEID) staff provided training and exercise assistance to more than 3,500 public health, hospital, emergency management, law enforcement, fire, EMS and private sector disaster professionals.

COPH CBBEID began conducting Webinar training sessions this year, reaching more than 200 disaster professionals from across the state.

COPH CBBEID conducted the conference “Public Health and Medical Response in Action: The Joplin Story” with 400 participants.

The School of Allied Health Professions (SAHP), in collaboration with the UNMC College of Nursing (CON) and the University of Nebraska at Kearney (UNK), received legislative funding to expand five allied health programs at the UNK campus.

The SAHP Clinical Laboratory Science Program earned a recommendation for seven years reaccreditation, the physician assistant program was awarded five-year accreditation and the magnetic resonance imaging program was awarded eight-year accreditation, from their respective accreditation agencies.

COPH established a student exchange program with National Taiwan University and hosted the first cohort of students in 2011-12.

COPH created a video studio to facilitate online and continuing education programs and oversaw the formal certification of its faculty in online instruction and course development.

COPH Center for Biosecurity, Biopreparedness, and Emerging Infectious Diseases (CBBEID) began conducting Webinar training sessions this year, reaching more than 200 disaster professionals from across the state.

COPH CBBEID conducted the conference “Public Health and Medical Response in Action: The Joplin Story” with 400 participants.

The SAHP Clinical Laboratory Science Program provided CLS education for five university partners and supported 18 clinical laboratory sites across a five-state region.

The SAHP Clinical Laboratory Science Program worked with the UNMC Department of Pathology and Microbiology in developing a master’s degree in pathology with a clinical laboratory emphasis.

The SAHP Clinical Laboratory Science Program 2011 graduates obtained a 100 percent first-time pass rate on national credentialing exams.

The SAHP Medical Nutrition Program 2011 graduates achieved a 100 percent first-time pass rate on the national registration exam.

The SAHP Clinical Laboratory Science Program expanded student enrollment by 100 percent.

The SAHP Clinical Perfusion Program implemented the use of a cardiopulmonary bypass simulator that will be used to establish student clinical skills in preparation for swine labs and clinical rotations.

The SAHP Physician Assistant Program awarded four Health Resources and Services Administration Expansion of Physician Assistant Training scholarships for physician assistant students committed to primary care.

The SAHP Physician Assistant Program faculty gave eight regional and national presentations on a variety of topics including the use of lightly embalmed cadavers in teaching knee injections, the pediatric obesity epidemic, and EKGs and heart murmurs in the pediatric patient.

The SAHP Cytotechnology Program created a virtual microscopy (VM) laboratory for students to use touch screen technology for studying VM images.
The SAHP Cytotechnology Program Director was named chair of the American Society for Cytotechnology webinar committee and was appointed to the Cytotechnology Program Review Committee that accredits all cytotechnology education programs in the United States.

The SAHP Physical Therapy Program initiated the MS/DPT program for students from China through the Shanghai Sino-US Health Science Initiative.

The SAHP Physical Therapy Program recruited a new faculty member to enhance the research enterprise and serve as coordinator of the Shanghai Sino-US Health Science Initiative.

A SAHP Clinical Perfusion graduate was unanimously selected by the perfusion department at Saint Luke’s Hospital, Kansas City, Mo., as the 2011-2012 Student Perfusionist of the Year.

Munroe-Meyer Institute (MMI) graduated its first PhD students in applied behavior analysis through the MSIA program.

MMI faculty and staff published 74 scientific articles and/or chapters in peer-reviewed journals and books during the past year.

MMI faculty and staff conducted 85 presentations at national and international meetings during 2011-2012.

MMI’s Human Genetics Lab hosted three visiting scientists from Singapore, one from Egypt and two from China for one- to three-month periods during the past year.

MMI’s Accreditation Council for Graduate Medical Education accredited the Clinical Genetics Fellowship Program and graduated two fellows in clinical genetics.

MMI successfully recruited two fellows into its Clinical Cytogenetics Fellowship Program for July 2012.

MMI faculty taught 26 courses in physical therapy, genetics, nursing, psychology and behavioral analysis at UNMC, the University of Nebraska at Omaha and the University of Nebraska-Lincoln.

MMI trained 170 graduate trainees, interns and postdoctoral fellows in 2011-2012.

MMI successfully renewed its Leadership Education in Neurodevelopmental and Related Disabilities grant by receiving five years of funding from HRSA’s Bureau of Maternal and Child Health.

MMI received notification of continued five-year funding for its University Center of Excellence in Developmental Disabilities program.

MMI, the UNMC Library and the Nebraska Developmental Disabilities Council collaborated to bring the collective papers of Dr. Wolfensberger, a Nebraska pioneer in the field of developmental disabilities, to UNMC. Dr. Wolfensberger is remembered worldwide for his development of the social valorization theory and for founding ENCOR, the Eastern Nebraska Community Office on Retardation and Developmental Disabilities.

MMI’s Speech Pathology Department held its annual Alternative and Augmentative Communication (AAC) Conference on June 8, 2012. The conference attracted attendees from across the state and focused on “Developing Language and Communication Power Using a Core Vocabulary Classroom Approach.”

MMI’s newest department, developmental neuroscience, developed and taught a new graduate course in developmental neuroscience (MMI 901).

MMI’s Developmental Neuroscience Department faculty submitted 22 grant applications and one pending patent application. To date, this has resulted in 14 grant awards: four federal, five foundation, and five university-based awards.

MMI’s Social Work Department has partnered with UNO’s Goodrich Program to develop a college experience for youth with intellectual disabilities/autism spectrum disorders. The program will accept students in September 2012, who will live in UNO dorms and begin classes in January 2013.

Academic Affairs has developed guidelines and application forms for peer review and awarding of faculty diversity funds, establishing two cycles of funding for the award in the fall and spring of each year. A total of nine faculty/staff awards were made in the 2011-12 cycle.

Academic Affairs/Asia Pacific Rim Development Program (APRDP) sent 30 students and 44 faculty/leadership to 14 different symposiums/forums on family medicine, research and medical education held in Beijing, Shanghai, Xi’an and Tokyo.

Academic Affairs/APRDP exchanged 44 students with top Chinese institutions for short-term clinical and research training in the areas of medicine and nursing.

Academic Affairs/APRDP accepted 16 new Chinese Scholarship Council members, including students in DPT, MD, joint MD/PhD, PhD, and PharmD programs and visiting scholars in family medicine, pharmacology, pharmacy practice and physical therapy.
Academic Affairs/APRDP collaborated with Tongji University to create Shanghai Sino-US Health Science Initiative, an extensive partnership involving translational research, family medicine training, hospital administration training, and joint medical education, with support from the State of Nebraska.

Academic Affairs/APRDP assisted with collaborative visits such as pre-trade mission visit to China, Reverse Trade Mission, AAHC meeting and 100th anniversary of Shandong University School of Medicine.

Academic Affairs/Chemical Safety Office revised the on-line Hazardous Materials/Dangerous Goods shipping training modules, to reflect regulatory changes and the recommendations resulting from the Department of Transportation site inspection.

Academic Affairs/Graduate Studies PhD programs reached their highest total enrollment in fall 2011 with 369 students enrolling.

Academic Affairs/Graduate Studies PhD programs set a new record for the number of PhD students graduating in a year. Forty PhD students received their degrees.

Academic Affairs/IRB organized the second annual IRB Great Plains Consortium Conference.

Academic Affairs/IRB and IACUC senior administration continue to present lectures and workshops nationally and internationally.

Academic Affairs/Interprofessional Education (IPE) received an educational development grant from AAMC/MedEdPORTAL, which will result in peer-reviewed publication.

Academic Affairs/McGoogan Library added 166 new electronic books for students, increasing e-books available in nursing, pharmacy, and for medical residents by 22 percent. These resources also benefit UNMC’s distance learners.

The Library provides quiet study space sought by students. More than 96,000 persons entered the library during fiscal year 2012. The library’s 16 group study rooms logged more than 16,000 hours of student use.

The Library provides students with more than 20 mobile applications, chat and text reference service, communicating with students via their preferred technologies.

The Library negotiated off-campus access to UpToDate, the leading clinical information tool. UNMC users access UpToDate for patient care information more than 3,500 times per week from on- and off-campus.

The College of Dentistry (COD) incoming students tied with Harvard University for the highest incoming GPA in the U.S. (3.87).

The dental class of 2014 had a 100 percent, first-attempt passing rate on the National Dental Board Examination Part I.

The 2012 dental class had a first-attempt 100 percent passing rate on the National Board, Part II.

The dental hygiene class of 2012 had a 100 percent passing rate on their licensure exam.

The College of Dentistry began Children’s Dental Day 11 years ago, more than 4,500 children from across the state have received more than $2 million in dental care.

Since the UNMC College of Dentistry began Children’s Dental Day 11 years ago, more than 4,500 children from across the state have received more than $2 million in dental care.
The COD Chapter of the American Student Dental Association received two national awards at the ASDA annual session.

Four dental students were elected to high-level leadership positions in national dental student organizations.

Anesthesiology matriculated its first clinical base year class as part of the newly accredited four-year curriculum.

Anesthesiology developed and introduced a new perioperative center for risk assessment and management of complex patients requiring surgical procedures.

An anesthesiology department chair was appointed.

Cellular and Integrative Physiology initiated the first Team-Based Learning in Core 4 of the medical curriculum.

Emergency Medicine increased the resident class size to eight per year for a total of 24 residents in the three-year program.

Family Medicine and the United States Air Force celebrate the 20th year affiliation of the joint UNMC-USAF Residency Training Program.

Family Medicine’s Advanced Rural Training Program graduated 54 residents since inception in 1993; 80 percent of graduates practice in rural Nebraska.

Family Medicine hosted the Rural Training Track Conclave - a national consortium of rural residency and program directors and fellows.

Internal Medicine Residency Program reported a 14-year continuous 100 percent ABIM pass rate. This is the only program in the country to accomplish this feat.

Internal Medicine residents scored in the top 10 percent nationally on the ABIM and In-Service national examinations.

Internal Medicine maintained a No. 1 ranking by both the M3 and the M4 students at UNMC.

Internal Medicine developed an interdisciplinary educational training program with the CON, COPH and SAHP with the NCQA-certified Midtown Medical Home Care/Delivery System.

Internal Medicine received certification for a new Infectious Diseases Fellowship Training Program.

A Neurological Sciences faculty member served as chairman of the vascular neurology and stroke section of the American Academy of Neurology.

A Neurological Sciences faculty member was chosen as one of 13 U.S. faculty in neurology to participate in the American Academy of Neurology’s Curriculum and Faculty-Educator Development program.

The Neurological Sciences Stroke Program received a “gold plus” rating by the American Heart Association’s “Get With the Guidelines” initiative for outstanding delivery of care to patients with strokes.

Neurological Sciences Epilepsy Center was recognized as a Level 4 Center - the highest level by the National Association of Epilepsy Centers.

OB/GYN completed expansion of its residency program to 16 (four per year).

OB/GYN expanded resident rotation to the new Methodist Women’s Hospital.

OB/GYN recruited a new breast and gynecologic specialist.

OB/GYN opened new outreach clinic locations in Lincoln and Grand Island.

Ophthalmology - The Weigel Williamson Center for Visual Rehabilitation launched an outreach clinic in collaboration with a volunteer faculty member in Hastings to better serve clients in greater Nebraska.

Orthopaedic Surgery residents scored in the 72nd percentile on the 2011 Orthopaedic In-Training Examination.

Orthopaedic Surgery and Rehabilitation was ranked No. 36 in the country in orthopaedic surgical care and No. 1 in the region in orthopaedic surgical care in the US News and World Report, June, 2012.

Orthopaedic Surgery had eight orthopaedic surgeons nationally named as Best Doctors and Top Doctors.

Otolaryngology residents have had a 100 percent board pass rate 43 years in a row.

An otolaryngology faculty member received the Physician of Distinction Award.

An otolaryngology faculty member was elected in the Active Fellowship in the Triological Society.

Otolaryngology appointed a new department chair.

Pathology established a new master’s degree program in clinical laboratory science.

Pathology expanded the International Medical Science Education program with China to also include Saudi Arabia.

Pathology faculty received the Golden Apple Award for medical student teaching for the third consecutive year.
UNMC plans to build a $370 million cancer center – one of the largest construction jobs ever in Nebraska – on the west side of campus by 2016. The project will include four facilities – a multidisciplinary outpatient clinic, a 98-lab research tower, a hospital tower with 108 beds dedicated to oncology patients, and an ambulatory care clinic dedicated to non-oncology specialties.

Pediatrics is continuing its fourth year of Monthly Early Career Development meetings to support the development of junior faculty.

Pediatrics implemented a new series on faculty development for all faculty.

Pediatrics recruited nine new faculty members as well as a new division chief in cardiology & nephrology.

Pediatrics Neonatology faculty continue development of a Fetal Care Center at Children’s Hospital & Medical Center.

Pediatric residency program, as well as existing fellowships in pediatric gastroenterology and infectious diseases, were reaccredited through 2017.

Pediatric faculty graduated their first fellows for the new genetics fellowship program.

Pediatric faculty developed new American Board of Pediatrics-approved fellowships in pediatric cardiology and pediatric pulmonology starting in 2013.

Pediatric Neonatology faculty sponsored postgraduate course in neonatology.

Pharmacology and Experimental Neuroscience held the first faculty/graduate student retreat Aug. 13, 2012, at Mahoney State Park to foster interaction with department faculty.

Pharmacology and Experimental Neuroscience undergraduate and high school students (funded by the Travis B. Lewis High School Scholar Award) joined the department for a 10-week internship. At the end of the program, the undergraduate students presented their work at the annual Summer Undergraduate Research Program poster session.

Psychiatry provided clinical outreach to the following populations: Building Bright Futures, One World Clinic, Winnebago Clinic, R-Way Clinic in Wayne, Neb., via telepsychiatry, MOSAIC (a provider of services for those with developmental disabilities), Lasting Hope Recovery Center, Community Alliance and Charles Drew Clinic.

Psychiatry clerkship ratings rose from sixth to second in the past two years among the M3 clerkships.

Psychiatry residents became involved in the SHARING Clinic.

Radiation Oncology continued to increase the number of industry and cooperative group clinical trials over the past year.

Radiology senior residents received 100 percent pass rate for the American Board of Radiology certifying exams for the seventh consecutive year.

Surgery, Division of Plastic and Reconstructive Surgery received a three-year re-certification for its residency program.

Surgery, Division of Neurosurgery increased the resident compliment from nine to 12.

Surgery, Division of General Surgery residency program initiated a new rural rotation at Great Plains Regional Medical Center, North Platte, Neb.

A Surgery, Division of Pediatric Surgery, faculty member was named the Alton SK Wong Distinguished Professor of Surgery.

Surgery recruited a new chief of cardiothoracic surgery.


Surgery, Division of Cardiothoracic Surgery Heart Transplant Program performed 22 heart transplants.

A Surgery, Division of Cardiothoracic Surgery faculty performed the first combined heart and liver transplant in Nebraska.

Neurology/Neurosurgery was named among the top 50 programs in the U.S. in US News and World Report.

The CON received $20,000 to fund a doctoral studies and leadership PhD student in the Jonas Nurse Leaders Scholars program and a PhD student in the Jonas Veterans Healthcare Scholars program.

The CON MSN program continues to rank in the top 8 percent in the country, according to the latest US News & World Report rankings.

CON faculty received a new federal training grant from HRSA to prepare family nurse practitioners in rural areas with advanced clinical skills for emergency and inpatient care in critical access hospitals.

The first cohort of CON BSN students graduated from the new four-semester concept-based BSN curriculum in May 2012.

Student services coordinators made more than 48 outstate recruitment visits and spoke with 2,021 high school and college students, 268 parents and 87 teachers/administrators/counselors.
interprofessional education day with UNMC College of Dentistry students.

CON faculty developed a BSN Honors Program, which will begin in 2012-13. A team of faculty members from UNMC Northern Division and Northeast Community College developed a collaborative leadership simulation for a total of 150 nursing students, which was later accepted for an international presentation at the Sigma Theta Tau International Honor Society 23rd Research Congress.

The CON began using the NursingCAST™ application service to streamline applications processing. This national system is similar to systems for other health professions programs.

The CON received $50,000 from the Robert Wood Johnson Foundation New Careers in Nursing program to fund students in the accelerated BSN option.

The CON’s BSN program received 639 qualified applications for 391 slots, a 61.2 percent acceptance rate. The CON’s Accelerated BSN program received 80 qualified applications for 51 slots, a 63 percent acceptance rate.

The CON graduated its first BSN class of 26 students at the Northern Division in Norfolk in May 2012. A second cohort of 47 students was admitted in fall 2011.

CON BSN students achieved a sustained 95.5 percent pass rate on the NCLEX-RN licensure examination, a rate well above the national and state average.

The CON awarded $4,121,297 in grants and scholarships.

CON students in the Omaha Division participated in two interprofessional education days on the UNMC campus.

CON students in the Lincoln Division participated, for the third year, in an interprofessional education day with UNMC College of Dentistry students.

The CON’s Continuing Nursing Education program was awarded accreditation with distinction in spring 2012, which is the highest recognition awarded by the American Nurses Credentialing Center Accreditation Program.

The CON’s Continuing Nursing Education program sponsored 161 events and awarded more than 17,000 certificates of attendance to participants.

The College of Pharmacy (COP) awarded more than $600,000 in scholarships to students in 2011-2012.

The COP graduating class of 2011 achieved a 100 percent first-time pass rate on the national pharmacy board licensing examination. UNMC students had an average score of 109.8 compared with a national average of 103.1.

The COP signed an agreement with Peru State College to initiate an RHOP program.

The COP initiated participation in the Kearney Health Opportunities Program (KHOP) with the University of Nebraska at Kearney.

The COP received a lead gift to construct a new College of Pharmacy and Center for Drug Discovery.

The COP hired one new clinical faculty member at the VA and added 11 more volunteer faculty appointments at The Nebraska Medical Center and Siouxland Community Health Center.

Public Relations (PR) placed 2,545 major media placements with an estimated media value of approximately $147.8 million that included hits on ABC News, CNN, CBS News, Fox News, Moscow TV and the Wall Street Journal.

PR placed 197 Ask UNMC series with Omaha’s ABC news affiliate worth $3.8 million in value.

PR shared branding and other how-to information with approximately 135 campus communicators.

PR established an advisory board, initial marketing materials and a website for the inaugural Nebraska Science Festival to be held April 12-14, 2013.

PR engaged consumers on Facebook. The number of fans/likes increased almost 57 percent and followers on Twitter rose 50 percent. PR also expanded social media efforts with the addition of Pinterest.

Government Relations (GR) assisted Allied Health on the proposal that resulted in UNMC retaining the contract to train physician assistants for the National Guard.

GR hosted a Congressional briefing in Washington, DC emphasizing the importance of full funding of the IDeA program, resulting in an increase in funding for the IDeA program in FY2012.

GR conducted health care reform presentations for federal and state senate legislative staff.

GR contacted Nebraska Congressional delegation members on more than 10 critical issues impacting UNMC.

GR produced forums on the status of federal health reform for UNMC personnel and Central Administration personnel.
Alumni Relations Office (ARO) developed three education outreach programs on elderly financial abuse identification for health care providers in collaboration with Baylor College of Medicine.

ARO instituted plans for College of Nursing Distinguished Alumnus awardee to present the Inaugural College of Nursing Alumni Association Distinguished Alumnus Lecture.

ARO partnered with SAHP, COM and CON to co-sponsor continuing education programs at reduced rates for alumni.

High School Alliance (HSA) increased its enrollment from 36 to 47 students. The alliance lets high school students take college-level courses in preparation for health careers. UNMC faculty members teach the courses – specifically designed for high school students – on the medical center campus.

Performance through Efficiency (three sessions) and Conflict Management: Understanding and Working through Conflict (four sessions). An average of 105 UNMC employees attended each session.

HR delivered the Foundation for Success development program to office service employees (46 employees graduated).

HR delivered 12 sessions of new employee orientation (241 employees attended).

HR provided Learn@Lunch sessions: “Personal Financial Management” and “The Psychology of Spending” (140 employees participated).

HR, in coordination with UNO, provided two UNO undergraduate classes per semester to UNMC employees.

HR conducted training on recognizing harassment (748 employees participated).

HR conducted UNMC branding training initiative to more than 400 employees.

HR planned and conducted three Learn@Lunch programs on various aspects of sustainability.

Information Technology Services (ITS) supported UNMC’s mobile workforce by enhancing cell phone coverage within identified buildings.

ITS launched a mobile version of the UNMC website (m.unmc.edu) which provides formatting specifically for mobile devices.

ITS enhanced UNMC’s educational technology environment by upgrading 230+ computers in classrooms and computing labs.

Human Resources (HR) presented two Learn@Lunch Series – A Focus on Excellence: Achieving Peak

B&F offered four Effort Reporting classes to department staff to strengthen regulatory understanding and compliance.

B&F reviewed rates of core labs with federal revenue exceeding $10,000 and for all core labs with deficits, and provided recommendations for improved financial outcomes to the vice chancellor of B&F and vice chancellor for research.

B&F prepared for 2012-13 budget reduction by tracking state economy and state revenue collections and modeling various reduction scenarios.

Grants and contracts for the COPH increased by 49 percent in FY11-12.

COPH Department of Environmental, Agricultural, and Occupational Health faculty established the Central States Center for Agricultural Safety and Health, funded by a five-year grant from the National Institute for Occupational Safety and Health, which will measurably improve the health and safety of members of the agricultural community.

COPH received Board of Regents approval to establish the Center for Health Policy to improve the public’s health in Nebraska by generating and disseminating interdisciplinary research and objective analysis of health policies.

COPH faculty and staff published more than 115 articles in peer-reviewed scientific journals and made more than 80 presentations at scientific meetings in the U.S. and abroad.

COPH had 25 faculty, three staff and 14 students present papers and posters at the 2011 American Public Health Association Annual Meeting.

Two COPH faculty members received 2011 UNMC Distinguished Scientist Awards, and two COPH faculty received 2011 UNMC New Investigator Awards.
COPH Center for Biosecurity, Biopreparedness, and Emerging Infectious Diseases and Department of Health Services Research and Administration faculty and staff collaborated to create methods to evaluate a health information exchange in Nebraska.

COPH Health Professions Tracking Service provided data and support for projects including Nebraska Department of Health and Human Services shortage area designations, assessment of retention of federal and state loan participants, Nebraska Health Alert Network and the J-1 Visa Waiver Program.

COPH Department of Health Promotion, Social and Behavioral Health (HPSBH) faculty were investigators in CDC-funded grants, Douglas County Communities Putting Prevention to Work and Community Transformation.

COPH HPSBH faculty members worked with architects to design a new elementary school in Central Virginia and are evaluating the impact of the new architecture on healthy eating and physical activity in children.

The SAHP Clinical Perfusion Program faculty published three articles in peer-reviewed journals, including one that earned the highest award for research at the annual American Society of Extracorporeal Technology Conference.

The SAHP Radiation Science Technology Education Division published two articles in the Journal of Diagnostic Medical Sonography and one article in the Radiation Therapist.

The SAHP Cytotechnology Program faculty published an article on the use of virtual microscopy in cytotechnology education.

The SAHP Clinical Laboratory Science Program had five faculty present educational research on distance education at the 28th Annual Clinical Laboratory Educators Conference.

The SAHP Physician Assistant Program received a five-year, $993,910 grant from the HRSA Physician Assistant Training in Primary Care program to increase physician assistant graduates in primary care.

A SAHP Physician Assistant Program faculty member was re-elected by members of the Physician Assistant Education Association (PAEA) to a second term as director at large on its board of directors.

A SAHP Physical Therapy Program faculty member received a two-year, $593,088 grant from the Agency for Healthcare Research and Quality to reduce inpatient falls in critical access hospitals, which serve a largely rural, older adult population.

A SAHP Physical Therapy Program (PTP) faculty member served as a co-investigator on an NIH-funded grant with the CON to improve cardiovascular health of older adults with heart disease.

The SAHP PTP currently has six faculty members working on funded research programs.

A SAHP Medical Nutrition Program (MNP) faculty member was awarded the Huddleson Award by the Academy of Nutrition and Dietetics Foundation for being the lead author on a peer-reviewed article determined to have made the most important contribution to the field of nutrition for the year.

The SAHP MNP, collaborating with investigators in COM-Pediatrics, received a $31,000 grant from the Edna Ittner Foundation to study the impact of vitamin D status on the bone health of premature infants.

The SAHP received funding to establish two endowed professorships, one for women’s health, the other to support the advancement of research in the SAHP.

MMI initiated a seed grant program to stimulate extramurally funded research. Funded projects included: “Genetic, neurobiologic and behavioral processes in amyotrophic lateral sclerosis (ALS);” “Genetic Pathways in Childhood Speech and Language Impairments;” “Evaluation of the combined efficacy of melatonin and faded bedtime with response cost to treat sleep disturbances with children with Autism Spectrum Disorders;” and “A proposal to create the Munroe-Meyer Institute Infant and Toddler Learning Ability Laboratory.”

MMI faculty received 74 grants and contracts in 2011-2012. The projects totaled more than $9.1 million during the year and have received more than $62.1 million over their total funding cycles.

MMI initiated its Department of Defense funded autism research program utilizing telehealth and model demonstration programs at U.S. Army bases.

MMI collaborated with the University of Wisconsin in the initiation of a clinical research project to evaluate a neurostimulatory device to improve balance and ambulation in individuals with multiple sclerosis.

MMI’s Human Genetics Laboratory again served as the reference laboratory for all pediatric lymphoma cases treated in conjunction with the National Children’s Oncology Group.
MMI’s Genetics faculty and staff are collaborators in 45 research projects with other UNMC departments and other universities and institutions, nationally and internationally.

MMI’s Clinical Genetics fellows were accepted and presented their research at the prestigious David Smith Workshop on Malformations and Morphogenesis.

Academic Affairs/IACUC, with IT support, is in the process of developing an electronic IRB application.

Library users searched online electronic resources more than 800,000 times and downloaded more than 382,000 full-text articles.

The Library assigned a liaison librarian to the UNMC research community to provide training and in-depth support for Scopus, SciVal and all other research productivity tools. The liaison librarian analyzed publications cited by UNMC authors in 40,451 articles to support subscription renewals and cancellations.

The Library worked with GR to advocate defeat of the Research Works Act [HR 3699], which would have repealed the NIH open-access mandate and reduced access to scientific literature. Sponsors withdrew the bill as a result of pressure from the academic and scientific community.

The College of Dentistry ranked 30th in NIH funding per FTE in federal fiscal year 2011, the 11th consecutive year in the top 30.

The COD was ranked 19th in NIH funding per FTE in federal fiscal year 2011, the ninth consecutive year in the top 20.

Three dental students received 2012 Bloc Travel Grants out of 27 awarded nationally to present at the International Association for Dental Research meeting in Brazil.

Eight dental students presented at national or international dental research meetings.

Two classes of 2012 dental hygiene students placed first in the national American Dental Hygiene Association research poster competition.

COD faculty published 45 papers in peer-reviewed journals in calendar year 2011, the highest number since 2003.

Cellular and Integrative Physiology (CAIP) acquired four new grants/contracts.

CAIP launched research program in free radical biology.


CAIP and The American Physiological Society hosted the 2012 APS Conference – Autonomic Regulation of Cardiovascular Function in Health and Disease Conference in Omaha.

CAIP recruited an extramurally funded researcher that meets strategic recruitment needs for cardiovascular science.

A CAIP faculty member received UNeMed’s Most Promising New Invention Award for the discovery of a protein that may be a new treatment target for those with kidney disease.

Emergency Medicine earned a grant from the Vietnam Education Foundation, an international teaching opportunity for faculty from UNMC to teach in Vietnam.

Internal Medicine initiated a Laboratory of Gene/Environmental Interactions to study heart failure.

Neurological Sciences faculty participated in nine clinical trials focusing on patients with Alzheimer’s disease, amyotrophic lateral sclerosis, multiple sclerosis, Parkinson’s disease and stroke.

A Neurological Sciences faculty member joined two national amyotrophic lateral sclerosis (ALS) study groups and participates in a NIH-funded study that is validating ALS biomarkers for clinical trials.

Neurological Sciences faculty members are collaborating with Department of Pharmacology and Experimental Neuroscience (PEN) faculty to investigate if modulation of immune responses in Parkinson’s disease can improve outcomes.

OB/GYN Olson Center funded a $100,000 campuswide seed/bridge research program.

OB/GYN Olson Center surpassed the $5 million mark in research investment.

OB/GYN established or reinforced collaborative partnerships with UNL, Clark-Atlanta University, University of New Hampshire, Mass General Hospital.

OB/GYN partnered with Omaha Women’s Triathlon to improve resources for community education related to exercise. All net proceeds from the triathlon benefit the Olson Center.

OB/GYN developed a tri-exercise educational series.

The University of Nebraska has entered into a long-term partnership with the United States Strategic Command at Offutt Air Force Base to create a University-Affiliated Research Center (UARC) – housed in the university’s National Strategic Research Institute. Only 14 U.S. institutions, including the University of Nebraska, host UARCs. Retired U.S. Air Force Lt. Gen. Robert Hinson is the founding executive director of the National Strategic Research Institute.
Ophthalmology and Visual Sciences Research to Prevent Blindness was awarded an unrestricted grant of $110,000 to support basic and clinical vision research.

Ophthalmology and Visual Sciences became members of the Diabetic Retinopathy Research Network and initiated multi-center clinical studies with this network.

Ophthalmology and Visual Sciences faculty discovered a new retinal circuit that enhances the visual perception of contrast.

Ophthalmology and Visual Sciences faculty reported the design of a new intraocular valve to treat glaucoma by lowering the pressure in the eye.

Orthopaedic Surgery collaborated with Internal Medicine (Rheumatology) to focus on management of patients afflicted with arthritic disorders and has formed the Nebraska Arthritis Outcomes Research Center.

Otolaryngology started a new regional unknown primary tumor registry.

Pediatrics recruited an international specialist in pediatric infectious diseases with significant new funding from the Gates Foundation and NIH.

Pharmacology and Experimental Neuroscience received 17 new grant awards from NIH, DOD and pharmaceutical companies.

A Pharmacology and Experimental Neuroscience faculty member received the University of Nebraska’s Outstanding Research and Creative Activity Award.

Psychiatry has ongoing pediatric trials for pharmacotherapy of ADHD, generalized anxiety disorders and clinical trials of a novel pharmacotherapy for pediatric and adult patients with Fragile X Syndrome.

Radiology is one of 54 U.S. sites to be certified by the American College of Radiology Imaging Network as a Center of Quantitative Imaging Excellence site.

A Division of General Surgery faculty member received two Distinguished Scientist Awards and a Research Innovation Award from UNMC.

The CON maintained its rank in the top 50 percent of NIH funding to schools of nursing at 38th of 78 schools of nursing.

CON faculty published 65 scholarly publications with another 22 in press.

CON faculty received $3,437,674 in external funding in 2011-2012.

Twenty-three faculty and staff members and 11 BSN, MSN, and PhD students authored posters and made podium presentations for the Midwest Nursing Research Society meeting in April 2012.

The Northern Division of the CON hosted a Student Scholarship Day in spring 2012, collaborating with nursing students at Northeast Nebraska Community College.

COP faculty published 119 peer-reviewed papers in 2011-2012, a 4 percent increase from 2010-2011.

COP faculty submitted a total of 66 grant applications, an 8 percent increase from 2010-2011.

COP faculty reported a total of 17 new invention notifications, a 31 percent increase from 2010-2011.

COP faculty maintained their top 10 ranking among all Colleges of Pharmacy in the United States for NIH funding per faculty member.

The COP hosted two visiting scholars from Chinese Colleges of Pharmacy.

A COP faculty member received the 2012 University of Nebraska’s systemwide Innovation, Development and Engagement Award (IDEA).

The Nebraska Strategic Research Institute was created as a Department of Defense University Affiliated Research Center with U.S. STRATCOM.

The Clinical Research Executive Board was created to make decisions and formalize policies regarding clinical research across UNMC, The Nebraska Medical Center, UNMC Physicians and Omaha Children’s Hospital & Medical Center.

An electronic IRB application was initiated and is in the process of implementing additional fields for pharmacy and therapeutics review.

The University of Nebraska Foundation provided funds to buy technology that will expand the capacity for genetic sequencing in the Next Generation Sequencing Facility.

The Vice Chancellor for Research Office launched "Experts," an expertise profiling and research-networking tool, to enhance opportunities for faculty to find the collaborators and expertise they need within the NU system and across organizations, as well as target funding opportunities for research teams.

UNMC successfully competed for $4 million in Nebraska Research Initiative major equipment funds (of $10M available NU-wide).
In May 2013, UNMC will open the Stanley M. Truhlsen Eye Institute, which will feature specialized care, the latest in diagnostic medicine and offer hope to people suffering from blinding eye diseases such as macular degeneration and glaucoma.

The Clinical Research Center has developed a process for investigators to access data from the electronic health record, with appropriate human studies review, for feasibility and clinical research support.

The Clinical Research Center has initiated a Medicare Qualifying Analysis process to facilitate appropriate billing for clinical trial participants.

Sponsored Programs Administration with Business and Finance has started a special review process of international and multi-center trials to assess and minimize risk related to regulatory processes.

Sponsored Programs Administration designed and implemented a new electronic routing form (programmed by ITS) for grant and contract approval.

UNMC/TNMC developed an EPIC research module and the accompanying training materials for our system, the first in the nation, will be shared with other institutions.

ITS, with the Clinical Research Center, developed a web-based clinical trials database that advertises all clinical trials released by investigators and is being offered to hospitals across the region.

The VCR Office initiated a UNMC-wide bridge grant and core facility grant program.

UNeMed helped identify a Chinese distributor for a UNMC licensee in China.

The Asia Pacific Rim Program initiated the Sino-U.S. Symposium on Translational Medicine and Clinical Trial in Shanghai on June 22, 2012, where members of COM, CON and UNMC research presented on regulations, research oversight and models for productive collaboration in translational research.

UNeMed showed increased technology transfer activity in invention disclosures (106), licenses (19) and revenue ($2.3 million).

UNMC’s total research funding increased 16 percent and NIH funding increased 2 percent from last year as compared to -0.2 percent in NIH budget.

PR organized 12 Omaha Science Cafes, attended by nearly 1,300 people.

PR contributed significantly to the Building a Healthier Nebraska campaign, initiating more than 100 media placements, providing key data to legislators and contributing directly through a tailored website and social media.

Government Relations (GR) was instrumental in NU winning a federal award to establish a University-Affiliated Research Center which has a funding ceiling of $84 million over 5 years.

GR helped influence a decision by the Department of Defense Joint POW/MIA Command to select Omaha as the location for its next office.

GR facilitated support that resulted in UNMC receiving its first award to establish a CDC National Institute of Occupational Safety & Health, Agriculture Research Center.

GR hosted the U.S. STRATCOM science program officers on campus to discuss research needs.

GR hosted the U.S. STRATCOM surgeon general and technology chief for a tour of facilities and research expertise.

Alumni Relations Office (ARO) hosted a two-day Rural Training Track Conclave at UNMC that had record attendance of residency directors and State Offices of Rural Health from 11 states.

ARO held successful Latta Lecture with a nationally recognized oncology researcher presenting to a full auditorium.

ARO developed quarterly alumni e-newsletters to inform alumni of campus activities including research.

ARO planned trips for the new deans of medicine and nursing to multiple Nebraska communities to promote alumni activities.

ITS supported UNMC research endeavors by deploying wireless access in Durham Research Center I and upgrading the data infrastructure for improved network performance.

ITS created an online submission for IRB applications, consent forms and other study-related forms.

ITS streamlined the grant and contract submission process via online internal routing forms to include an enhanced signature approval process.

CAMPUS/COMMUNITY PARTNERSHIPS FOR HEALTH

COPH successfully secured $2.4 million over four years from the Health Research and Services Administration to create the Great Plains Public Health Training Center (PHTC).
COPH Great Plains PHTC launched a student fellowship program, placing 11 students from the university and state college systems in public health agencies around the state.

COPH established a new unit, the Office of Public Health Practice, dedicated to enhancing academic and practice partnerships to advance the development of the public health workforce through a commitment to practice-based research, education, service and professional education and training.

COPH Office of Public Health Practice graduated more than 120 scholars from the region in its Great Plains Public Health Leadership Institute.

COPH Office of Public Health Practice assisted in the planning and hosting of the American Public Health Association Region 7 Annual Conference.

COPH Department of Environmental, Agricultural, and Occupational Health faculty were involved with 20 community organizations, ranging from the Intercultural Senior Center in South Omaha to City Gardens to Husker Harvest Days.

COPH Department of Epidemiology faculty partnered with numerous local, regional and national entities, including Douglas County Correctional Facility, Great Plains Tribal Chairmen’s Health Board and the Occupational Health and Safety Section of the American Public Health Association to strengthen public health services.

COPH HSRA faculty provided training on economic evaluation to the U.S. DHHS Office of Minority Health.

COPH HSRA faculty and staff conducted a needs assessment for public health workforce training that included health department staff, American Indian clinics and other stakeholders.

COPH HSRA faculty and staff worked with the Nebraska Public Health Practice-Based Research Network Steering Committee to develop and implement public health services and system research.

COPH Department of Health Promotion, Social and Behavioral Health (HPSBH) faculty developed a community impact plan for Building Bright Futures.

COPH HPSBH faculty and staff worked with the Nebraska Association of Local Health Departments on a CDC grant submission to promote healthy lifestyles.

COPH HSRA faculty and staff conducted a needs assessment for public health workforce training that included health department staff, American Indian clinics and other stakeholders.

COPH CRHD implemented the Youth Expressions of Health Program at North High School. The one-week summer program exposes students to healthy lifestyles and engages them in promoting health in the community.

COPH established new international partnerships with Bulgaria, Colombia, Taiwan and Uruguay.

COPH faculty participated in an international symposium on environmental issues at the National Taiwan University (NTU), jointly organized by NTU and UNMC.

A SAHP Clinical Laboratory Science Program faculty served on the UNMC High School Alliance Core Group.

A SAHP Clinical Laboratory Science Program faculty served on the faculty advisory board for the SHARING Clinics.

The SAHP Physician Assistant Program obtained a five-year competitive renewal of the Interservice Physician Assistant Program contract with the U.S. Department of Defense.

A SAHP Physician Assistant Program faculty member was invited to participate on the Newborn Screening for Critical Congenital Heart Disease Subcommittee of the Nebraska Department of Health and Human Services Newborn Screening Advisory Committee.

The SAHP Physical Therapy Program has four faculty members serving on national advisory panels to promote community health.
A SAHP Radiation Science Technology Education Program Director represented the United States at the World Congress meeting of the International Society of Radiographers and Radiologic Technologists in Toronto, Canada.

MMI’s Center for Autism Spectrum Disorders received “Center of Excellence” status for the treatment of autism from United Behavioral Health (UBH), and received the highest score of any such program reviewed by UBH.

MMI’s Early Intervention Program in the Center for Autism Spectrum Disorders held its first graduation party. The student, funded by the Iowa School System for the past three years, is now in a regular classroom.

MMI initiated assessment and treatment planning services for adults with intellectual/developmental disabilities in collaboration with Mosaic, a community provider of services.

MMI opened a new integrated behavioral health clinic in Beatrice to begin serving southeast Nebraska and now has 30 clinics that span the entire state.

MMI’s genetic counselors provided education and information to the Nebraska Legislature, which led to the passage of a genetic counselor licensure act.

MMI completed planning to provide speech pathology services to children from the RiteCare Clinic at the University of Nebraska at Kearney to Alliance, Neb., through telehealth supported by funding from the Scottish Rite Masons.

Academic Affairs/IRB continued to be involved in development of the Great Plains Health Research Consortium Working Group.

The Friends of the McGoogan Library (The Library) and the Leland Olson Trust contributed $22,790 to purchase 132 electronic medical books for UNMC students and medical residents.

The Library staff raised a combined $1,250 for elementary school libraries at Fontenelle School in Omaha and tornado-ravaged Joplin, Mo.

The Library delivered authoritative health information to more than 200 Nebraskans through CHIRS, the library’s free service for health consumers.

The Library partners with other UNMC research programs and clinical departments, such as INBRE and Anesthesiology, to fund electronic journals and books.

The COD provided approximately $2.3 million in free dental care to low-income children through Dental Day sessions over the past 10 plus years.

Over the past five years, COD students provided approximately $270,000 of free dental care to more than 1,600 homeless/uninsured individuals through the Dental Sharing Clinic program.

Oral Biology faculty presented anatomy laboratory demonstrations to approximately 900 students from 35 Nebraska/Iowa high schools.

Oral Biology faculty provided oral cancer screening programs at various sites throughout Nebraska.

Pediatric Dentistry faculty, residents and staff saw approximately 78 children in the Educare of Omaha program for evaluation and treatment in September 2011.

The COD provided the 25th annual dental continuing education caravan to more than 400 dental providers across the state.

The COD has 55 preceptor sites in a four-state region and has created the “Outreach within Reach” newsletter to keep them informed.

Dental Hygiene secured $100,000 of funding for the Dental Hygiene Sealant Program and hired a faculty coordinator for the program.

Since 2009, the COD has provided more than $65,000 in free oral surgery services to approximately 225 people in partnership with the Third City Dental Clinic Program in Grand Island, Neb.

A COD faculty member serves as president of the Nebraska Dental Association.

The COD was approached by the CBS affiliate Channels 10/11 to appear in its promotional “Our Town Lincoln” segment in December 2011.

A COD Growth & Development faculty member was featured on Lincoln’s 24-Hour Health Channel.

A COD faculty member utilizes Twitter and Pinterest to post radiographs for educational purposes.

A COD faculty member’s work with social media was featured in four presentations at the American Dental Education Association annual meeting.

Facilities Management and Planning (FMP) completed energy upgrades in UT1-4 and DOC using ARRA funds exceeding plan goals on savings.

UNMC received a grant to renovate the Eppley Cancer Institute building; 50 percent of the work is completed.
Family Medicine Primary Care Center was established to promote primary care across UNMC and Nebraska.

Orthopaedic Surgery represented the American Academy of Orthopaedic Surgery’s Research Capitol Hill Days and Operation Walk-USA in Washington, DC to discuss the need for additional funding from Congress to support future musculoskeletal research.

Orthopaedic Surgery, Emergency Medicine and other UNMC and The Nebraska Medical Center health care professionals provided medical care for athletes participating in the 2012 Olympic Swim Trials.

Orthopaedic Surgery residents assisted with free school physicals for the Omaha Public School System and provided medical coverage during high school football games.

Otolaryngology participated in the High School Alliance program.

An Otolaryngology faculty member volunteered his service to the Henry Doorly Zoo.

Otolaryngology head and neck physicians participate in free oral, head and neck cancer screenings each year.

Pathology provided services to the Omaha Lead Poisoning prevention program.

Pharmacology and Experimental Neuroscience has been involved in the 10 partnerships established between China and UNMC.

Pharmacology and Experimental Neuroscience developed a UNMC High School Alliance Biomedical Research Course.

Psychiatry Behavioral Health Education Center of Nebraska created an online training module on adolescent depression that received a national educational award and was accessed statewide, as well as internationally.

Psychiatry and COPH are collaborating in developing perinatal mental health services for pregnant women with untreated mental illness.

Psychiatry faculty, Creighton University and the Omaha Veterans Administration Medical Center are collaborating in developing targeted continuing education programs to address the mental health needs of returning military veterans.

Radiation Oncology Medical Physics section completed an agreement with a Norfolk, Neb., hospital to provide medical physics services.

Radiation Oncology continued to develop the Nebraska Radiation Oncology Consortium network with physicians and hospitals in Grand Island, Norfolk, North Platte and Kearney, Neb., along with Rapid City, S.D., and Sioux Falls, S.D.

Surgery has a continued relationship with India that permits residents to undertake clinical rotations there.

A Division of General Surgery, Trauma Critical Care faculty member participated as the staff physician during the 2012 Olympic Swim Trials in Omaha.

A Division of General Surgery, Trauma Critical Care faculty member participated with the Department of Health and Human Services of Nebraska as a site reviewer.
Fourteen CON faculty members had active faculty practices with other clinical and community agencies and 144 students at undergraduate and graduate levels participated in 570 learning hours.

The CON’s Healthcare and Emergency Responder Organization Education through Simulation (HEROES) mobile unit provided emergency preparedness training throughout the state to critical access and regional hospitals, emergency responder conferences and health professions students.

One CON student was selected as the 2012 Nebraska State Student Nurse of the Year; five were elected as board members of the Nebraska Student Nurses Association.

The West Nebraska Division of the CON won the Individual Community Service Award and two community project awards at the National Student Nurses Association Meeting.

The SHARING Clinic’s Student Board pharmacy representatives and a faculty advisor received a Student Community Engaged Service Award at the 2012 American Association of Colleges of Pharmacy annual meeting.

The COP held its second preceptor retreat, which was attended by 70 volunteer preceptors from across Nebraska.

PR developed and implemented an ice bowling campaign that single-handedly raised more than $12,000 for the Skate-a-thon for Parkinson’s. PR also generated considerable media coverage for the event.

PR organized and promoted the United Way campaign, helping UNMC raise $148,304 – $3,000 more than the campus goal. The campaign also boosted campus participation about 8 percent (from 33 percent to 41 percent).

Government Relations (GR), in celebration of Research Day, hosted Mary Woolley of Research!America at a delegates breakfast to highlight UNMC advancements from federal funding.

GR testified at state senate hearings on implementation of federal health care reform.

GR organized neighborhood association meetings to inform and gather support for UNMC purchasing two blocks in the Field Club neighborhood.

GR participated in two College of Medicine senior seminars to teach students about public policy.

GR worked with PR and Alumni Relations to implement a comprehensive advocacy plan.

GR facilitated and arranged for the State Health Board to conduct a meeting at the Bellevue Medical Center.

GR assisted in the establishment of the Center for Health Policy at the College of Public Health.

GR coordinated presentations of UNMC experts at State Legislative interim studies on implementing federal health reform.

GR advocated and won restoration of funding for Area Health Education Centers, to be restored to the FY2013 federal budget by the Senate Appropriations Committee.

GR arranged for a UNMC researcher to present research at a Congressional meeting.

GR hosted the Naval Research Office with a campus tour and to observe research expertise for potential collaborations and projects.

GR provided a health reform informational session for UNMC alumni.

GR provided briefings for several state senators on the implications of the federal health care reform law.

GR provided briefings for the Legislature’s Appropriations Committee and Health & Human Services Committee staff on key issues of the federal health care reform law.

GR updated and managed the health care reform website.

ARO facilitated the planning of alumni outreach events in Wyoming, Arizona and Washington State.

ARO increased the number of student/alumni activities and participation by nearly 30 percent over the past fiscal year.

ARO increased attendance at its Showdown in the “O” Town baseball game by 30 percent.

ARO signed a contract with a national company to publish an all UNMC alumni directory that has not been updated for 11 years.

ARO increased non-alumni revenue by more than 20 percent through external service contracts.

ARO successfully negotiated revisions of two alumni foundation accounts to provide additional annual revenue to the COM Alumni Association for student scholarships and programs.
Hundreds of UNMC employees and students enjoyed UNMC’s annual Culture Fest, designed to celebrate the rich diversity at UNMC through multicultural entertainment, activities, booth displays and food.

High School Alliance (HSA) has engaged 80 UNMC student mentors. HSA has partnered with 130 UNMC faculty, staff and graduate students. HSA provided two or more shadowing opportunities for all 47 of its students.

ITS enabled the EPIC One Chart go-live by leading significant infrastructure projects to include extensive wired and wireless enhancements, designing the voice and data call center system for the incident command facility, installing 290 servers and providing workstation support.

ITS completed extensive wired and wireless infrastructure enhancements for the Voalte mobile nurse communication systems.

ITS enabled the Nebraska Regional Poison Center to expand its service areas to include Nebraska, Wyoming, Idaho and American Samoa by replacing their voice infrastructure with state-of-the-art technology.

CULTURAL COMPETENCE

COPH CRHD established a partnership with the CON to provide quarterly education on health disparities and cultural competence to nursing students, faculty and staff.

The SAHP Physical Therapy Program implemented a community engagement program to improve birth outcomes in the Omaha African American community.

MMI’s interdisciplinary training program recruited 25 students and long-term trainees from cultural or ethnic minority groups.

The Library supported science education for Native American K-12 students by developing a webpage for K-12 tribal educators and visiting four Science Education Partnership Award sites in an effort to increase the number of Native Americans entering health and science careers.

The Library supported breastfeeding mothers by coordinating and producing a poster listing locations of 10 UNMC, The Nebraska Medical Center and UNMC Physicians lactation rooms. UNMC employees who apply for FMLA maternity leave receive a copy of the poster at the time of application.

The Library taught three classes on health disparities information to 2012 Summer Medical and Dental Education Program (SMDEP) students.

The COD leads the nation in percentage of students enrolled following participation in SMDEP for students from disadvantaged backgrounds.

A 2006 SMDEP scholar and 2012 graduate were featured in the June issue of Charting Progress, a blog written by the executive director of the American Dental Education Association.

The COD’s Dental Museum was featured in a United Kingdom dental journal.

Dental hygiene students began providing care to nursing home residents in Milford, Seward and Gering, Neb.

A senior dental hygiene student returned to the Vietnam orphanage he resided in as a child to provide service on a mission trip.

COD students treated veterans returning from Iraq and Afghanistan as part of an initiative with the VA Nebraska Western Iowa Health Care System.

Equity office, in conjunction with the Chancellor’s Office, worked with members of The Nebraska Medical Center and HR on planning campuswide programs directed at improving cultural diversity, such as the yearly campuswide Martin Luther King events.

Emergency Medicine recruited two additional female faculty members this year. Currently, one-third of the emergency medicine faculty is female.

Family Medicine presented an international symposium on family medicine in Shanghai and Xi’an, China in October 2011.

Radiology participated in the SMDEP for the fifth year.

CON students participated in international health and service-learning trips to Nicaragua and Brazil.

Five CON students participated in an international exchange visit in fall 2011 to Shanghai Jiao Tong University and four students from Shanghai Jiao Tong University visited the CON in spring 2011.

CON exchange students from Shanghai Jiao Tong University’s nursing program visited three CON divisions: Omaha, Kearney and Norfolk to experience rural and urban health care and culture.
High School Alliance continues to maintain 35 percent of its enrollees with free and reduced lunch students.

ITS promoted cultural diversity by having HR deliver a presentation titled “Recognizing Harassment in a Diverse Workplace” at an ITS staff meeting.

ITS streamlined student requests for ADA accommodations by adding an online form to the student counseling web page.

Third annual Culture Fest was held in April with more than 600 attendees. Continued the diversity lectures and cultural arts series featuring presentations and lectures that provided insight and understanding of multicultural issues to the UNMC community.

**BIOMEDICAL TECHNOLOGIES & ECONOMIC DEVELOPMENT**

COPH Health Services Research and Administration faculty entered into an intellectual property licensing agreement with UNeMed for a home medical device to manage chronic conditions as well as a web-based monitoring system.

MMI faculty and staff submitted and disclosed two new invention notifications from UNeMed related to both basic and applied areas.

Academic Affairs/Compliance Office implemented an electronic conflict of interest and outside professional activities disclosure system.

Academic Affairs/Compliance Office developed expanded privacy guidelines in response to new OneChart electronic health record capabilities.

The Library was a key player in Nebraska’s successful effort to obtain $2,416,000 from the U.S. Broadband Technology Opportunities Program and $1,252,000 in matching funds from the Gates Foundation.

Facilities Management & Planning achieved an 18 percent reduction in energy usage and a 21 percent reduction in energy demand by implementing new technologies on campus.

Emergency Medicine, in collaboration with the University of Nebraska-Lincoln, developed a fixed ergonomic lifting surface for laryngoscope handle, as well as an all-in-one cricothyrotomy device.

Emergency Medicine, in collaboration with program designers in Houston developed a new cardiopulmonary arrest code charting software.

A Division of Cardiothoracic Surgery faculty member partnered with UNeMed in establishing intellectual property in a novel cardiac valve.

CON faculty and staff developed Nursing Exemplar Strategies for Teaching (NEST) - a learning repository website for sharing exemplary nursing teaching strategies utilized by CON faculty.

CON faculty conducted remote clinical preceptor visits for acute care nurse practitioner students using the VidoTM secure web conferencing system. This makes rural clinical placements possible by allowing faculty to provide clinical supervision at a distance.

CON faculty transitioned a Robert Wood Johnson Foundation Partners Investing in Nursing grant to a continuing nursing education program when the grant ended. The program prepares nurses for certification in gerontology.

In partnership with the American Health Care Association, CON Continuing Nursing Education provides Gero Nurse Prep, an online course to improve the clinical knowledge of LTC nurses. Almost 600 RNs have enrolled.

ITS promoted telehealth throughout Nebraska by hosting three webinars featuring Lt. Gov. Rick Sheehy and State of Nebraska Medical Officer Joanne Schaefer, M.D., with topics including “Reimbursement and Regulatory Issues,” “Mobile and Desktop Telehealth” and “Using Telehealth to Expand Care to Patients.”
More than 500 employees participated in UNMC Walks to the Olympics. The campus walking challenge encouraged employees to form teams and combine efforts to cover 4,300 miles – the distance between Omaha and London, the site of the 2012 Summer Olympics.

EMPLOYEE LOYALTY

COPH faculty and staff participated in the first all faculty and staff strategic planning retreat.

COPH Department of HPSBH instituted the STAR Award to recognize major achievements by faculty in the department.

The SAHP Medical Nutrition Program sponsored 12 continuing education events for faculty, including presentations and consultations by experts in the field of medical nutrition therapy.

The Library, based on consultant recommendations, invested $45,000 in workstations and equipment to alleviate staff ergonomic problems and reduce exposure to temperature fluctuations.

Several members of the Library staff received campus, regional and national honors.

Emergency Medicine had one physician honored as a Physician of Distinction by The Nebraska Medical Center.

Radiology had five faculty members recognized among the Best Doctors in America 2011-2012 list.

More than 500 employees participated in “UNMC Walks to the Olympics,” a 90-day campus walking challenge.

CON staff, through the CON’s General Staff Organization, sponsored seven events including a monthly book club, travel club and series of professional seminars.

The CON sponsored 11 continuing education events for faculty, in the areas of curricula, team teaching, informatics and social media, and practice issues such as billing and coding.

The CON held faculty and staff wellness challenges in fall 2011 and spring 2012. More than 50 percent of college faculty and staff participated.

One CON faculty member was inducted as a Fellow in the American Academy of Nursing.

A CON faculty member received the Distinguished Nurse Award from the Nebraska Chapter of the March of Dimes and a CON graduate student received the Rising Star Award.

A first ever Gold-U award was received by a member of the COP staff.

High School Alliance (HSA) hired a full-time program coordinator.

HSA developed a new mission, vision and program goals statement.

ITS migrated 10,000+ faculty, staff and student email accounts to UNMC’s Microsoft Outlook email system.

ITS supported UNMC’s Live Green initiative by developing the campus Green U “thank you.”

HR coordinated UNMC’s Professional Day Celebration, attended by 288 office service employees.

HR launched the “Green U” online award program, which provides instant recognition for faculty and staff engaging in various activities related to sustainability.

HR completed the upgrade of the Jobs@ applicant tracking and position management system which went “live” on July 2, 2012.

As UNMC started its branding process, people on and off campus were surveyed about their thoughts of the medical center. In this process, four values emerged as descriptive of UNMC:

- Leadership,
- Commitment to excellence,
- Working together, and
- A trusted resource.

These are UNMC’s brand values and they help power the medical center in its vital mission of research, education, outreach and patient care.
The future of primary care begins here.

UNMC is ranked No. 6 in primary care education by U.S. News & World Report. *Breakthroughs for life.*®