Together we are greater than when we stand alone.

Good People, Great Medicine.
Harold L. Paz, M.D.
Senior Vice President for Health Affairs,
Dean, and Chief Executive Officer
I’m pleased to present you with our 2006-07 Annual Report.

This year’s edition contains many of the facts and figures you are accustomed to seeing in an annual report—patient volumes, research funding, charitable giving, revenues and expenses, and so on. It also includes figures associated with the day-to-day operation of an academic health center that we may not often think about but are ultimately critical to our success, such as the number of patient meals prepared, total research grants written, or the quantity of surgical gowns laundered. On the pages that follow, you’ll get a glimpse at some of the faces behind these numbers.

The strength of Penn State Hershey has always been its people. Because of our outstanding faculty, staff, and students, our Health System, Milton S. Hershey Medical Center, and College of Medicine remain focused as always on service excellence, quality, and innovation.

Through this year’s annual report, you’ll get a closer look at how the individuals who support our missions of education, research, patient care, and community service directly and indirectly contribute to our ability to serve our patients, our students, and our community. Our people—8,515 of them—to be exact—occupy many diverse roles throughout our organization, but their fundamental motivation is the same: to achieve organizational excellence.

The dedication of our care providers to their patients has been recognized over the past year in many ways. Nearly a quarter of our physicians, 140, were chosen for inclusion in the Best Doctors in America® 2007-08 database. More than 70 of our providers were in the top 1 percent in the nation for patient satisfaction according to Press Ganey, an independent health care quality improvement firm, which partners with more than 7,000 health care organizations worldwide. We’ve also earned the coveted Magnet™ recognition from the American Nurses Credentialing Center (ANCC)—the nursing profession’s highest honor. That’s something less than 5 percent of health care organizations in the nation can claim.

Our graduates continue to be sought after by post-graduate institutions. Approximately one-quarter of our graduating medical students were chosen by top tier medical residency programs, while many of our Ph.D. graduates accepted post-doctoral positions at premiere academic institutions and the National Institutes of Health. Such success is a tribute to our students and excellent faculty alike.

During the past year, our researchers submitted more grant applications to fund cutting-edge research than at any other period in our 40-year history and helped generate more than $98 million in extramural research funding. Our investigators have made international headlines for their work on subjects as diverse as the effectiveness of pediatric cough syrup, a potential new treatment for Crohn’s disease, and a possible connection between pollution, gender, and lung health.

All of these accomplishments have been furthered by the energy and commitment of thousands of members of the Penn State Hershey family in administrative and technical roles, who may not work in the same limelight as some of their colleagues but who make invaluable contributions nonetheless. I hope you enjoy meeting a few of them in the pages that follow.
The past year was one of continued growth, innovation, and recognition of excellence in the clinical mission.

During fiscal year 2006-07 Penn State Hershey Medical Center continued to experience substantial growth in patient volumes. Hospital admissions increased by 4.7 percent over the previous year, while surgical cases went up 5 percent. Outpatient clinic visits experienced an increase of 3.2 percent over fiscal year 2005-06, while emergency department visits were up 4.4 percent over the prior year.

Construction continues on a 165,000 square foot outpatient facility on the Medical Center’s East Health Campus. The building will be home to Penn State Hershey’s Comprehensive Breast Center, Spine Center, Bone and Joint Institute, Clinical Neuroscience Institute, and other programs. When it opens in March 2008, the facility will fundamentally change patient care. Patients will see multiple specialists at one time in the same location. Breast surgeons, neurologists, neurosurgeons, orthopaedic specialists, radiologists, mammographers and other imaging professionals, as well as therapy services providers will see patients in shared clinical space, dramatically enhancing real-time collaboration among care providers and convenience for patients and families.

The Penn State Hershey Stroke Center earned several significant distinctions. The Joint Commission on Accreditation of Healthcare Organizations (JCAHO) awarded the Medical Center Primary
Stroke Center Certification as well as its Gold Seal of Approval™ for excellence in comprehensive stroke care.

In May 2007, Penn State Hershey Medical Center became just the 9th hospital in the nation and the 16th in the world to implant a total artificial heart in a patient. A Penn State Hershey Heart and Vascular Institute team led by Walter Pae, M.D. implanted the CardioWest™ temporary, Total Artificial Heart (TAH-t) in James Knarr of Halifax, PA. Knarr survived for two months on the device before receiving a heart transplant.

A total of 140 Penn State Hershey physicians were selected for inclusion in Best Doctors In America® 2007-08 database. Created by Best Doctors, Inc., the listing is the result of exhaustive polling of 40,000 physicians in the United States. In a confidential review, current listees answer the question, “If you or a loved one needed a doctor in your specialty, to whom would you refer?” Only those who earn the consensus support of their peers and meet additional research criteria are included on the list.

In August 2007, the American Nurses Credentialing Center (ANCC) awarded the Medical Center with the nursing profession’s highest honor—declaring it a Magnet™ hospital. The Medical Center is now one of only 256 Magnet organizations worldwide.
Faculty and staff of Penn State Hershey Medical Center and the College of Medicine continue to make an impact on their local, national, and global communities through a host of activities and partnerships.

Students from the College of Medicine honor both the Penn State tradition of service and the legacy of Milton Hershey through a host of community engagement activities. Medical students, under the supervision of physician faculty, conduct regular free clinics to provide care and patient education to the homeless in Harrisburg, PA.

Annually, many of our students conduct a day of service in which they work with community service organizations on a wide range of projects benefiting children, the elderly, local food banks, the environment, and other worthwhile causes.

As they have each holiday for more than a decade, hundreds of Medical Center and College of Medicine employees and their families participated in the annual Salvation Army Angel Tree program. Collectively, the Penn State Hershey family filled approximately 440 Angel Tree tags to help provide children from economically disadvantaged families with presents to open on Christmas Day.

The spirit of caring is exhibited year-round by physicians, nurses, and other caregivers from Penn State Hershey who continue to provide care in medically underserved communities around the globe. Many make the trip to regions such as Honduras, Ecuador, and Chile on their own time, working with colleagues at the Medical Center and from other health care entities to coordinate these medical missions and secure external funding.
Closer to home, an annual event to provide health care screenings and health education to inner city populations expanded from one city, Harrisburg, to two with the addition of a similar event in Lebanon, PA. The Penn State Care Fair reached more than 150 people—primarily minorities—offering screenings for blood pressure, cancer risk, and clinical research study participation.

Last March, Penn State University, Penn State Hershey, and health insurer Highmark announced an unparalleled ten-year partnership that is focused upon improving access to services, enhancing community health, and measuring the impact of their joint programs.

Under the agreement, Highmark committed $5 million to support clinical research at Penn State for diseases such as cancer, including investment in research infrastructure that will increase the ability of other area hospitals and providers to participate in clinical studies. Highmark committed another $20 million to the construction of a new free-standing Penn State Hershey Children’s Hospital to enhance the availability and quality of specialized medical care for children throughout Pennsylvania.

Highmark and Penn State Hershey, working in conjunction with the University, will jointly develop evidence-based health, wellness and prevention programs to help employers improve the overall health of their workers and families and measure the long term effectiveness of the programs.

The partners also will work together to develop community health initiatives designed to benefit the overall health of the region.
During a time of fierce competition for federal funding from the National Institutes of Health (NIH) and other governmental entities, researchers at Penn State Hershey responded through enhanced collaboration, greater focus on translational research, an increase in the number of total grant submissions, and continued reliance on a broad range of funding sources. The result was one of the most successful years the College and Medical Center have experienced in terms of securing extramural research funding. The organization reported more than $98 million in research funding support during the 2006-07 fiscal year, the second highest total in its history.

During the past year, Penn State researchers at Hershey have secured funding for vital health sciences endeavors such as diabetic retinopathy, colorectal cancer, and reducing disparities for treatment and care among diverse populations in the communities we serve. Clinical research studies have been conducted to explore the roles of blood sugar and high cholesterol on the fertility of women considered high risk; study an implantable mesh sleeve designed to maintain or reduce the size of an enlarged heart as an option for...
treating chronic heart failure; and test the effectiveness of a drug—originally designed to treat alcohol and drug addiction—in relieving inflammatory symptoms related to Crohn's disease.

The new Hershey Center for Applied Research opened in May 2007 adjacent to the Medical Center campus, beginning a new chapter of collaboration between Penn State Hershey and the private sector. The Center is the result of an innovative partnership between the Hershey Trust, The Harrisburg Regional Chamber and Capital Region Economic Development Corporation, The Harrisburg Keystone Innovation Zone, and owner/developer Wexford Science and Technology.

Building One now houses the College of Medicine's Department of Pharmacology and Office of Technology Development. The Hershey Center for Applied Research is intended to foster opportunities for "bench to community" translational research as private firms recruited to the new Center add their business expertise to the College and Medical Center's culture of discovery.

Meanwhile, Penn State Hershey continues to be the beneficiary of many private organizations and foundations that support its research. They include the Foreman Foundation, which has contributed nearly $900,000 toward melanoma research at Penn State Hershey, and the Jake Gittlen Cancer Research Foundation, which has raised more than $11 million over the past 38 years and funded studies on the human papillomavirus that contributed significantly to the development of Gardasil®, the world's first cervical cancer vaccine.
Penn State Hershey College of Medicine remained a desirable choice for aspiring physicians and scientists in 2006-07. In fact, 1 out of every 6 individuals who applied to medical school in the United States applied to the College of Medicine, and more than 500 individuals applied to our graduate programs. Those who were accepted to and graduated from the College of Medicine during the past year collectively performed at a high level.

The College saw an increase of nearly 1,000 medical student applications over the previous year. And the academic credentials of students seeking entry into the College of Medicine remained impressive. The average GPA and individual element MCAT scores among applicants went up from 3.66 to 3.68 and from 9.66 to 9.78, respectively. The GRE scores of students matriculating into our graduate programs also increased from 673 to 691 on the quantitative exam, and remaining at 517 on the verbal exam.
Ultimately, 154 medical students and 49 graduate students seeking Ph.D. and M.S. degrees matriculated to the College of Medicine in 2007, comprising the largest and arguably the most academically qualified incoming class in the College’s history. This year, Penn State medical students boasted an impressive 98 percent USMLE Step One pass rate, significantly higher than the national mean of 94 percent.

In May, the College of Medicine held its 37th annual commencement, conferring degrees upon 127 medical students and 43 graduate students. The 170 total graduates comprise the largest-ever graduating class since the College’s founding 40 years ago.

Match Day 2007 was very successful for both our students and residency programs. In general, our students were quite pleased with the outcome of the match and approximately 25 percent matched into top-tier programs. Our “institutional” residency program fill-rate for the match was 97 percent. This is significantly higher than the national average of 90 percent. This is a reflection of our dedicated residency program directors and our excellent teaching faculty. One in five of the College’s graduating medical students is staying at Penn State Hershey Medical Center to complete residency training, 35 percent will remain in Pennsylvania for their residencies, and 48 percent chose to enter primary care residency programs. Our Ph.D. graduates accepted postdoctoral positions at some of our nation’s premier institutions, including Harvard Medical School, The National Institutes of Health, Baylor College of Medicine, and Washington University (St. Louis).
Third year medical student Stacy Hinson takes advantage of a warm summer day to study outside while husband Bruce Hinson keeps up with their kids, 10-year-old Brittany, 7-year-old Ashley, and 1-year-old Bruce Jr. College of Medicine students find time between countless hours of lectures, study sessions, and labs to spend time with their families. Many are married, or are mothers, fathers, or caregivers. University Manor apartments provide for every kind of lifestyle, from one-, two-, and three-bedroom garden style units to four-bedroom suites for larger families. Renovations of the 248 units in University Manor East were completed during 2006-07.
Postdoctoral fellows like Guofeng Gao are the lifeblood of research labs searching every day for clues to unanswered medical questions. With some 110 postdoctoral scholars and fellows across disciplines, the College of Medicine has done well recruiting young research scholars who are top in their fields. Additional space, equipment, and career opportunities from new and ongoing institutional initiatives are critical to maintaining their numbers.

The Class of 2007 brought the total number of College of Medicine alumni to 3,463. Among them is Terry M. Smith, Ph.D., graduate student class representative shown here addressing the class during Commencement ceremonies.
In the community, College of Medicine students have held fund-raisers, served breakfast to families of sick children, and helped nonprofits clean, paint, and renovate. One place where they may make the most profound impact, however, is at the Bethesda Mission in Harrisburg, PA, where more than 250 of them rotate in operation of a weekly free clinic called LionCare for the homeless and low-income residents of Harrisburg. First- and second-year medical students teamed up with an attending physician from the Medical Center to learn first hand how to take medical histories and perform basic clinical skills on real patients, like Henry Gumby, who otherwise could not afford care.

Therapy dog Reni shares a moment with patient James Brooks, during a regular Tuesday night visit. The Medical Center utilizes 14 in-patient pet therapy teams to help keep up the spirits of patients throughout the hospital. Visits occur once a week and on an as needed basis.

1,644 cancer patients were admitted to the Medical Center during the past year, including Susan Palmer (right), a bone marrow transplant patient, with her nurse, Lauren Eckley, R.N. Physicians and staff evaluate and treat patients with diseases of the blood, bone marrow, and lymph node systems, including leukemia, lymphoma, myeloma, anemia, auto-immune blood disease, bleeding and blood clotting disorders, and HIV. Currently a 26-bed unit, the inpatient cancer service is expanding in 2008 into a new unit with 32 beds.
David Ungar, M.D., treats pediatric oncology patients, like young James Boyle (right), Reading, PA who receive help from The Four Diamonds Fund. These patients and their families not only receive help for their medical bills from the Fund but also items such as meal vouchers, pre-paid phone cards, and much more. Through funding from The Four Diamonds Fund, 607 patients were treated in 2006 at Children’s Hospital. This number includes support of 104 new patients and families.
ABOVE

2,273 pages of evidence were submitted to the American Nurses Credentialing Center in March as part of the Medical Center’s application for Magnet recognition, the highest honor awarded to health care organizations for nursing excellence. Nurses, physicians, administrators, and other staff filled the auditorium on August 15, 2007 to hear a live phone call announcing the Medical Center’s Magnet status. It was an occasion worth cheering, and pediatric clinical head nurse Jennifer Bean, R.N., B.S.N., C.P.N., did just that.

BELOW

Cheston “Chet” Berlin Jr., M.D., talks with fourth-year medical student Emily Kowalik. Berlin, who was honored in 2003 by the Pennsylvania Chapter of the American Academy of Pediatrics as the Pediatrician of the Year, has been a friendly face for both patients and physicians-in-training since 1971. By his own estimation, Berlin has served as mentor to more than 320 pediatric residents and has cared for several thousand patients during his 36 years in Hershey.
Penn State Hershey Life Lion flew 157,957 miles during the year, at an average speed of 180 miles-per-hour. Life Lion transports critically ill and injured patients safely and efficiently—when seconds count. On board each Life Lion flight is a specially trained team, including a pilot, nurse, and paramedic who deliver advanced care and treatment. Behind the scenes is a computerized Dispatch Center staffed 24-hours-a-day, 7-days-a-week by trained air-medical communications specialists who coordinate transports and continually monitor the aircraft when flying. Also supporting Life Lion are skilled mechanics who provide daily maintenance and inspection to ensure the aircrafts are mechanically sound and available to transport patients in the safest manner possible.
According to International Health Volunteers, a nonprofit organization specializing in global medical volunteerism, less than 3 percent of physicians practicing in the U.S. have had any experience in international outreach, making the volunteer efforts of Penn State Hershey physicians like A. Mark Bousted, M.D., (left) particularly significant. Bousted, associate professor of plastic surgery, has helped train doctors in 7 foreign nations, including his native South Africa. Here he works with a Peruvian surgeon to perform cleft lip and palate surgery on a pediatric patient.

180 wedding guests saw Hannah George walk down the aisle less than five months after receiving a life-saving liver transplant. From invitations and flowers, to tuxedos and wedding cake, bride-to-be Hannah thought she planned for everything. But before her wedding day arrived she unexpectedly suffered liver failure that required an organ transplant. An experienced team of transplant surgical, medical, and support staff cared for Hannah’s physical and emotional needs before, during, and after her transplant surgery to ensure her eventual walk down the aisle would be a healthy one. Hannah and her husband Earl will celebrate their first anniversary on June 2, 2008.
Hundreds of sleepless nights were brought to an end for Bill Fessler thanks to 1 Gamma Knife Treatment. He was experiencing terrible pain in his face which significantly impacted his quality of life. Bill, seen here with Sandra J. Brettler M.S.N., R.N., C.C.R.N., C.N.R.N., Gamma Knife Nurse Coordinator, was diagnosed with trigeminal neuralgia a debilitating, neuropathic disorder of the trigeminal nerve, which causes episodes of intense pain in the eyes, lips, nose, scalp, forehead, and jaw. Lucky for Bill, he was referred to Penn State Hershey’s Gamma Knife Center for treatment. Leksell 4C Gamma Knife® is not a knife at all. Our Gamma Knife team of 3 neurosurgeons, 4 radiation oncologists, and 2 nurses, make no incisions in the head. Instead, Leksell Gamma Knife directs up to 201 precisely focused beams of radiation at directed brain tumors, lesions, or other abnormalities, including the trigeminal nerve. Our gamma knife team has cared for more than 150 patients since its arrival in 2006. After just 1 Gamma Knife outpatient treatment, Bill’s pain has disappeared—and so have those sleepless nights.

Mark Dias, M.D., and the Division of Pediatric Surgery received a special delivery of 12 teddy bears named Boozle from a Luzerne County Boy Scout Troop. All of the bears have hydrocephalus, a condition where there is a built up of fluid on the brain, and shunts that are used to drain the fluid. The bears help Dias to demonstrate how the shunt works on a pediatric patient and enables children to educate others about their condition.

In August 2006, a record entering class of 152 medical students came to Hershey to start their lives as medical professionals. Nearly 6,000 prospective students—approximately 1 in 6 of those who apply to U.S. medical schools—applied for a slot in the College of Medicine’s medical student class of 2010. They represent the future of medicine—304 new pairs of hands ready to learn to provide excellent and compassionate care.
When 2½-year-old William Dieffenbach’s parents drove 50 miles to bring their son to the emergency room, they didn’t anticipate making that trip several more times. William was diagnosed with a brain tumor and underwent surgery to remove it in June 2007. A strong little boy, William continues with radiation treatment to ensure that he stays cancer free. William’s parents, Rebecca and Nevin, drive 100 miles total everyday to the South Annex building at the Medical Center. The nurses treat William like family. His favorite medicine—the lollipop he picks everyday after treatment. The best reward for his medical team—the knowledge that with their expertise and care, William will one day be there to see his own children unwrap lollipops too.
A B O V E

The Medical Center’s staff in palliative care visits with more than 600 patients in the hospital and 90 at home, per year. Their mission: to ease the suffering and pain of those undergoing treatment, or nearing the end of life. “We offer relief from pain, while integrating the psychological and spiritual aspects of care,” says Beth Magnifico, D.O., co-director, Palliative Care. “It’s not just about the patients, but also the families who often need support during a difficult time.”

B E L O W

Staffed by community volunteers, the hospital gift shop annually dedicates all of its proceeds toward equipment and services to support quality patient care at the Medical Center. In fiscal year 2006-07, gift shop volunteers like Annik Mathias (left) and Dot Miller (right) helped the gift shop generate $218,423 dollars in net profit. The funds were used to purchase cutting-edge equipment for treating heart and vascular disease.

$218,423
Carolyn Forster, C.C.R.N., a Pediatric Intensive Care Unit nurse at Children's Hospital attends to little Jacob Lux. Jacob is one of 12,309 pediatric heart patients each year who receive highly-specialized care from physicians, nurses, and medical providers at Children's Hospital who focus on particular cardiovascular challenges facing children, such as congenital heart disease. The program has an added benefit in that it is structured to provide ongoing specialized care to congenital heart patients from childhood through to their adult years.
2,257 Diabetes Playbooks were distributed by Penn State Diabetes Center last year. The center created and distributed the Playbook to patients across the country. This educational tool was developed using the center’s patient advocacy group, creating a football-themed binder with clear, relevant diabetes information and a user-friendly means to help patients effectively manage their condition. The collaborative effort has been recognized for its innovative approach, earning a Gold Award in the 24th Annual Healthcare Marketing Advertising Report Awards.

Lab aid Rachel Christensen uses space in the hall outside a lab in the Biomedical Research Building to organize the week’s sterile lab equipment. Currently, the college has 188,188 square feet dedicated to basic and clinical wet lab space. But as the college’s research enterprise blossoms, so does the demand for more equipment and space. To support continued research growth, a lease was initiated in 2007 with neighboring Hershey Center for Applied Research to relocate the Department of Pharmacology and Technology Development Office. When the Penn State Hershey Cancer Institute opens in 2009 with dedicated cancer research space, it also will provide room in the main college building for other expanding research programs.
3 dedicated employees made a lasting impression on a single family facing the loss of their little girl. On the day before Easter Sunday 2007, 7-year-old Kallan Hammaker was near the end of her battle against a malignant brain tumor. While Kallan was being cared for in the Medical Center’s emergency department, her parents had one request of her caregivers—make it possible for Kallan to see the Easter Bunny one last time.

Recognizing that Kallan’s time was short, emergency department nurse Brenda White and Life Lion dispatcher J.J. Ehrgood took immediate and thoughtful steps to help fulfill the family’s request by making Easter happen one day early.

Brenda and J.J. contacted Andy Braden, another Life Lion dispatcher who was off-duty at the time. They remembered that Andy’s neighbor had rented an Easter Bunny costume for a weekend family celebration. With Kallan’s story as motivation, Andy convinced his neighbor—dressed as the Easter Bunny—to join him for an impromptu visit to Kallan’s bedside. Their compassion and quick thinking, provided some joyful moments during an otherwise sad occasion and gave Kallan’s family a lasting Easter memory.

ABOVE

23 operating suites where more than 23,000 surgeries—some of the most complex procedures in medicine—are performed annually by a skilled team of surgeons, anesthesiologists, nurses, surgical techs, and other health care providers. Designed for today’s technology and tomorrow’s innovations, our minimally invasive surgery operating suites have the latest technological advances that allow surgeons like Lewis Harpster, M.D., to seamlessly access information, and further advance health care through telemedicine.

LEFT

Penn State awarded its first 2 disaster preparedness online graduate certificates in 2007. This first-of-its-kind program concentrates on the roles of terrorism responders, the psychology associated with disasters, and effective methods to protect critical infrastructures. Realizing after 9/11 that many people were not prepared for the public health aspects of a large-scale disaster, Robert Cherry, M.D., associate professor of surgery and program chair, developed this certificate program and frequently lectures to groups in addition to teaching his online courses.
3-year-old Jackson Smith was one of more than 650 pediatric cancer patient discharges last year from Children's Hospital. Seven physicians in the Division of Pediatric Hematology/Oncology provided care for 104 new pediatric oncology patients and 388 new pediatric hematology patients. There has been continued growth in the number of outpatient visits, totaling nearly 8,000 last year. Families do not need to travel far for stem cell transplants, either. Nearly 20 stem cell transplants were performed at Children's Hospital last year.
Subjects spent **15,000** hours sleeping (or trying to) in the Sleep Research and Treatment Center in FY07. Through sleep studies, physicians in the Division of Clinical Sleep Medicine evaluate and treat patients—both children and adults—with disorders such as insomnia, sleep apnea, narcolepsy, hypersomnia (idiopathic and psychiatric), night terrors, and sleep walking. The center is run by directors Edward Bixler, Ph.D., and Alexandros Vgontzas, M.D. Both are internationally recognized—Bixler for his epidemiologic research in sleep, and Vgontzas for his research in the endocrinology of sleep.

Kenneth Miller, M.S., professor of radiology and director of the Division of Health Physics, celebrated **36** colorful years with the Medical Center and a total of 40 years with Penn State University. Miller, an avid painter and fisherman, is also a world-renowned authority on the 1978 incident at Three Mile Island nuclear powerplant and its impact. Miller has written more than 100 articles and has just completed his 14th book. Additionally, he has more than 100 paintings to his credit and has given more than 300 presentations around the world.
With colorectal cancer being the third most common cancer diagnosed in men and in women in the United States, it's no surprise that the Medical Center experienced an increase in total operating cases last year. Surgeons like Walter Koltun, M.D., (right) chief, Division of Colon and Rectal Surgery, and his team provide expert surgical care to more than 200 patients each year—care that is critical for helping these patients join the nearly 1 million colorectal cancer survivors around the country.
James Connor, Ph.D., vice chair for research, Department of Neurosurgery, leads a weekly meeting of his lab personnel. Staff are working on dozens of projects related to neurological diseases, such as restless legs syndrome (RLS), Lou Gehrig’s disease (ALS), and Parkinson’s disease. His team also seeks new methods for delivering key compounds needed by the brain to function properly and chemotoxic drugs through the blood-brain barrier to brain tumors. Connor and colleagues published their findings in 20 papers in more than a dozen different journals.

M.D./Ph.D. student Bozo Todoric prepares neural cells for culture and testing in the lab of James Connor, Ph.D. Connor is developing a compound of a type of iron called H-ferritin, which is more readily absorbed by brain cells, to treat iron deficiency. Iron deficiency has been implicated in a number of neurological disorders, such as Alzheimer’s disease and Parkinson’s disease. Connor is working to market his compound with a development team in China, where 1/3 (433,333,333) of the population is iron deficient.
ABOVE

Blaise Peterson, Ph.D., assistant professor of cellular and molecular physiology, works on a grant application he hopes will fund work on a recent discovery. Peterson spent 3 months developing the application based on his discovery of a protein that interacts with and regulates the function of cardiac calcium channels, which are proteins found in the membranes of heart cells. The ongoing research may lead to the development of new therapeutic approaches to treat cardiovascular disease.

LEFT

Featuring a 19,950 square feet addition completed in spring 2007, the University Fitness Center is a premier fitness facility. State-of-the-art cardio and weight rooms, private training studios, and a professional staff of exercise physiologists make the University Fitness Center a premier health and wellness facility for our employees, volunteers, students, and patients. With 103,346 visits last year, it boasts amenities such as spacious locker rooms, a full-court gymnasium, racquetball courts, and various group exercise areas. Connected to the University Conference Center, which features large meeting spaces, the entire building is now a massive 49,000 square feet.

BELOW

18 holes of golf can make all the difference on the fight against cancer. Every year the Jake Gittlen Cancer Research Foundation holds the Jake Gittlen Memorial Golf Tournament, which features the best golfers in Pennsylvania. In the fall of 2006, $810,000 was pledged for cancer research at the College of Medicine. It’s a number which grows every year. The foundation has brought in more than $10 million since Warren Gittlen (second from right) started it in memory of his dad, Jake in 1970.

$10 million
11,555 infusion room visits, using 8 chairs and 4 beds, to provide chemotherapy, supportive care for terminal cancer patients, and clinical research studies of new cancer drugs. Penn State Hershey Cancer Institute’s infusion room provides most of the adult outpatient infusions for Penn State Hershey, including those needed for rheumatology, gastrointestinal, and neurology patients. Here, Joanne McCrea, R.N., C.R.N.I., a certified infusion therapy nurse, prepares an infusion. Many of our all R.N. staff are nationally certified in either IV therapy or oncology.
Deborah Davis, D.S.W., (right) leads a session of the Achieving Cultural Competency in Healthcare workshop. The training program, which was first piloted in Fall 2005, addresses issues such as standards and requirements for cultural and language appropriate health care services as well as changing local and global demographics and the implications for the Medical Center in the delivery of health care. Through 2007 more than 2,300 Medical Center employees have participated in the training.

Above

Graham Spanier, Ph.D., president of Penn State University (center) joins Ken Melani, M.D., president and CEO of health insurer Highmark Inc. (right) and Harold Paz, M.D., Penn State's senior vice president for health affairs, dean of the College of Medicine, and Medical Center CEO in announcing a 10-year partnership to improve health care quality, access, and affordability. The agreement includes Highmark’s $5 million investment in clinical research for diseases such as cancer, collaborative development of community health initiatives, study and enhancement of wellness and prevention programs, and Highmark’s $20 million grant toward the construction of a new state-of-the-art Penn State Hershey Children’s Hospital.
Research support assistant Lynn Budgeon is a long-time staff member of Neil Christensen’s (Ph.D.) Gittlen lab focused on human papilloma virus and its connections to different kinds of cancer, including cervical cancer. About 11,000 cases of cervical cancer are diagnosed annually in the United States, totaling around 3,700 deaths.
Below

Penn State Hershey Cancer Institute has 9 multidisciplinary, cancer-related disease teams (blood, brain, breast, colorectal, head and neck, liver/pancreas, melanoma, pulmonary, and urologic malignancies) dedicated to caring for its patients. Various specialties jointly consult with patients and reach decisions about care in a shared environment, meaning patients benefit from the combined input of medical oncologists, surgical oncologists, radiation oncologists, psychiatrists, pathologists, palliative care physicians, and social workers.

Above

Neil Christensen, Ph.D., microbiology and immunology, was a post-doctoral scholar in the lab of former College of Medicine and Jake Gittlen Research Foundation researcher John Kreider, Ph.D., who, in the 1980s, developed a novel mouse model that allowed researchers to grow infectious stocks of human papillomavirus (HPV) in a lab setting. Other researchers used the model to test anti-viral products, and later, to test potential vaccines against HPV, which led to the development of the cervical cancer vaccine Gardasil®. Gardasil became commercially available in summer 2006.
During Fiscal Year 2006-07, College of Medicine researchers submitted 1,057 research grant proposals, for a total request of $180.8 million. During the same timeframe, College scientists received 592 awards, bringing in a total value of $98.5 million. Robinn Moyer, staff assistant, and Jennifer Colna, contracts and proposal specialist, are just two of the Office of Research Affairs staff members who process all of the research grant proposals that originate in the College.

Penn State Hershey security officers like John Watkins serve the organization in many ways. In addition to maintaining a safe and secure campus, the 22 officers that comprise the security team provide direct service to patients and families each year by performing approximately 1,200 escorts to locations both on and off of the Medical Center's campus. These escorts include transports to and from the Ronald McDonald House and the American Cancer Society's Hope Lodge both in Hershey, places that serve as a home away from home for patients and families.

On a scale of 1-10, his headache was an 11. When Frank Cunningham experienced the worst headache of his life, his wife called an ambulance. He was later airlifted by Penn State Hershey’s Life Lion from another hospital in his hometown of Milroy, PA, to the Medical Center’s Neuroscience Intensive Care Unit (Neuro ICU). The new, specialized, Neuro ICU has highly trained physicians and nurses who are equipped to take care of serious brain bleeds like Frank's. Before Frank arrived at the Neuro ICU, he was given a 50 percent chance of survival. Now, after a procedure by a Penn State Hershey neurosurgical team, Frank (shown with his wife Jane, above right) can put the pain behind them.
The Simulation and Cognitive Science Laboratory, or Sim Lab, took on a broader role this year under the leadership of the Office of the Vice Dean for Educational Affairs. A model program of the Department of Anesthesiology since 1992, the Sim Lab offers space for 13 distinct groups of learners, including nursing and medical students, residents, and even patients—to learn and practice clinical skills in a safe environment. High-tech, full body patient simulators and part task trainers—like arms for IV practice and neck and throat models for intubation training—allow learners to make mistakes and perfect technique before working on real patients. The Sim Lab recently received an anonymous gift of $1 million to help fund a significant expansion slated for 2008.
Ann Bixby tosses one of the 151,000 surgical gowns that linen services launders each year in support of Penn State Hershey surgeons, operating room nurses, and technicians. The Medical Center performed more than 23,000 surgical cases in FY 2006-07, which contributed to the more than 3,800 bed sheets per day and 4.2 million pounds of linen per year washed, dried, folded, and delivered by the 38 members of the linen services staff for the Medical Center and its off-site patient care practices.

10,261 patient days were accounted for in the Neonatal Intensive Care Unit (NICU) in FY 2006-07. The integrated neonatal services care team at Penn State Hershey Children's Hospital provides a full spectrum of care for newborns. The NICU is fully equipped for all forms of life support, including continuous electronic monitoring, high-frequency oscillatory ventilation, heart-lung (ECMO), inhaled nitric oxide therapy, and surgical correction of congenital defects.
700 children were admitted to the Pediatric Intensive Care Unit (PICU) at Children’s Hospital, in FY 2006-07. In addition, more than 1,000 children are admitted each year to the PICU. Despite the tubes, wires, and monitors, 22-month-old Grace Kent knows she’s in the best and most-caring of hands.
2 children in China share the same hospital bed due to limited facilities available to the large number of patients treated during a medical mission. The children shown here were among those served by Operation Smile during a medical mission trip in the fall of 2006. The trip was comprised of approximately 40 volunteer medical professionals including Patrick McQuillan, M.D., a Medical Center anesthesiologist.

Since he began volunteering in May 1999, Frank Bolduc and has served more than 1,500 volunteer hours in the Ronald McDonald House Charities™ Family Room at Children’s Hospital. Frank and his fellow volunteers provide assistance to approximately 13,000 people—mostly friends and family visiting pediatric patients at Children’s Hospital—who use the family room each year.
Traci King saw eight different teams during her stay at the Medical Center. After being diagnosed with breast cancer, suffering a severe heart attack, and dealing with a ruptured appendix within weeks of each other, it’s safe to say that 36-year-old Traci has been through a lot in one year. Traci spent 1,296 hours admitted at the Medical Center, in addition to the countless hours for infusions and follow-up appointments. Now healthy and cancer-free, she credits her recovery to the teams that treated her during her stay, including oncology, surgical, hematology, infectious disease, dermatology, cardiology, Life Lion, and the ICU.

The fourth annual Ridetoberfest is just one of several fund-raisers that Medical Center and College of Medicine employees organize for Children’s Miracle Network (CMN) each year. About 420 motorcycle participated in the ride, which includes a scenic fall tour through central Pennsylvania and ends with a raffle of a new Harley-Davidson motorcycle. This year’s event raised $30,600—twice as much as last year’s event. Combined, all employee-driven fund-raisers raised $204,000 for the charity in FY 2006-07.

After more than 7,500,000 patient meals cooked, prepped, plated, and served, it is no shock that food services employee, June Gerhart, was featured as the 2006 Employee of the Year. She is responsible for the preparation of 80 gallons of soup per day at the hospital and has washed more than 5,376,000 patient trays and dishes during her tenure. Her hard work, dedication to the team, and constant attention to standards for quality and hygiene have made June an undeniable asset to the food services team.
$4.2 million was awarded to Philip Lazarus, Ph.D., (left) and Joshua Muscat, Ph.D., (right) by the Pennsylvania Department of Health to study the increased risk of colorectal cancer in northeastern Pennsylvania. This study will examine how genetics and modifiable risk factors, such as cigarette smoking and dietary patterns, combine to increase the risk of cancer. We’re hoping to better understand colorectal cancer, identify high-risk individuals, and assist in developing screening and prevention strategies.
Every year in March, medical students across the country wait with anticipation for the day they find out where their journeys as medical professionals will lead next during a tradition called Match Day. This year, 113 white envelopes went out just before noon on March 16. Some students held them to their chests, while others tried to sneak a peek. In the end, a record 23 students learned they would start their medical residency here at the Medical Center while others were headed to hospitals across the country. That same day, 83 fourth-year medical students learned they were headed to our Medical Center’s specialty programs as well.

Barbara Sewerin, D.O., first year med/peds resident, consults with Greg Barretto, M.D., third year newborn medicine fellow. Sewerin is one of 493 residents training in the Medical Center’s 48 ACGME-accredited training programs in 2006-2007. Of the 48 programs, 22 were specialty programs and 26 were sub-specialty (fellowship) training programs.
36 little isolette beds fill the Level IIIC Neonatal Intensive Care Unit (NICU) of Children’s Hospital, and provide comfort and security to mothers like Angela Matos and her baby Lexiel Sepulivade. Nine board-certified neonatologists are joined by a team of neonatal fellows, nurse practitioners, nurses, social workers, a full complement of allied health specialists, and dozens of pediatric sub-specialists to care for the more than 500 babies who are seen each year in the NICU.
Only 16 hospitals in the world were certified to implant the CardioWest™ total artificial heart when Medical Center surgeons implanted central Pennsylvania’s first device on May 2, 2007 in James Knarr of Halifax, PA. The procedure was led by Walter Pae Jr., M.D. (pictured left), Heart and Vascular Institute’s program director, cardiac surgery. Pae was a protégé of William Pierce, M.D., F.A.C.S. (right), another Penn State surgeon and a pioneer in the conception and development of the total artificial heart. In June, Pierce was honored with the 2007 Jacobson Innovation Award from the American College of Surgeons for his work—some of which is displayed here.

When Jordan Torok, (center in the white coat,) took the Oath of Modern Hippocrates in the fall of 2006, he was the 5th member of his family to do so at the College of Medicine. The Torok family has made medical school at Penn State a family tradition, starting with dad Frank, class of 1978. Eldest son Justin followed, earning his M.D. in 2004, and continued into residency at the Medical Center. Justin’s wife Cassie also earned her M.D. that year. A third son, Collin, was a member of the medical school Class of 2007.
**LEFT**

32,000 square feet is leased by the College of Medicine at the new Hershey Center for Applied Research in 2007. The space accommodates the relocation of the Department of Pharmacology and the Office of Technology Development, and includes conference rooms, offices, and state-of-the-art collaborative laboratories, where scientists occupy a much larger but common lab space and have access to shared equipment, materials, and ideas. Here Kent Vrana, Ph.D., chair, Department of Pharmacology, shares ideas and lab space with Miguel Barthelery, doctoral student; Nurgui Salli, Ph.D., research associate; Jeremy Hengst, Ph.D., postdoctoral fellow; and Leo Fitzpatrick, Ph.D., associate professor.

**BELOW**

Bernice Wilsbach is one of 17 hospital operators at Penn State Hershey. Nearly 1.9 million calls are made to Penn State Hershey’s switchboard each year. Twenty-four-hours-a-day and seven-days-a-week, Bernice and her colleagues assist callers in reaching their virtual destination—whether it’s a doctor’s office, a patient’s room, Research Affairs, the College of Medicine’s student admissions department, or any of the 10,000 phone extensions within the Medical Center and College of Medicine’s phone system.

**ABOVE**

The Building Operations Center (BOC) serves as the central nervous system for the facilities infrastructure of the Medical Center and College of Medicine. Around the clock and throughout the year, BOC personnel carefully monitor systems such as fire detection systems, critical utilities such as medical gases, electricity, steam and water, not to mention most of the mechanical systems across the campus. Pictured are some of the 120 keys to mechanical rooms, roof access doors, and elevator equipment rooms which BOC signs out daily to contractors and staff to perform routine maintenance, tests, and service throughout the organization’s 3,448,562 square feet of buildings and 545 acres of grounds.
At 10-months-old Olivia Frese had to endure three major surgeries in the span of 10 days for severe abnormalities of her trachea. After 1 year fighting for her life at Children’s Hospital, her ongoing medical needs meant her journey had just begun even when she returned home. A generous donation of $1,000,000 in 2007 from philanthropists Edward H. and Jeanne Donlevy Arnold created the Hummingbird Program to provide support for children like Olivia. Part of the Arnold’s gift will support development of a transitional care suite for the new Children’s Hospital, currently in design. The program offers comprehensive support for children like Olivia, who is now a happy, healthy 7-year-old.
BELOW

15,000 Penn State students danced for 46 hours without sitting or sleeping all to help The Four Diamonds Fund battle childhood cancer. This THON™ event capped off a year of fund-raising that brought in a record breaking $5,240,385 which surpassed last year’s total by $1,000,000. The Four Diamonds Fund has helped more than 2,000 families at Children’s Hospital since 1972. Approximately 100 new families receive support each year.

ABOVE

122° F (50° C) is the temperature at which abnormal electrical pathways in the heart can be eliminated with a non-surgical procedure called radiofrequency catheter ablation. Mario Gonzalez, M.D., Ph.D., is internationally recognized for his advanced catheter ablation techniques. He joined the Penn State Hershey Heart and Vascular Institute in 2006 to direct its electrophysiology program. Skillfully threading a catheter to an exact point in the heart, Gonzalez destroys a small amount of tissue with heat (or less commonly, cold) restoring a healthy heart rhythm for the patient.
650 is the average number of patients seen each month at Fishburn Walk-in Clinic. To meet the need of the community, University Physician Group–Fishburn Road/Department of Family and Community Medicine, has opened for after-hours care, seven days per week. Patients with less-critical emergencies can walk in to the clinic and be seen by a family and community medicine health care provider from 5 to 10 p.m. Monday through Friday; and noon to 8 p.m. on weekends. The clinic is located at 845 Fishburn Road, Hershey.
David Bosworth of Annville, PA is one of 660,000 Pennsylvanians with diabetes. He developed diabetic retinopathy—one of the leading causes of blindness in developed countries—then began losing peripheral vision as a complication. Laser surgery corrected the peripheral vision loss, but he still attends regular visits with Tom Gardner, M.D., M.S., to address the retinopathy. The work of Gardner and his team in the Juvenile Diabetes Research Foundation Eye Research Center here brings hope of a cure to David and thousands of others in Pennsylvania and nationwide.

$8.9 million grant is enabling researchers at Penn State Hershey to focus on finding better treatments for diabetic eye disease. The grant received in 2007 is the largest nongovernmental grant ever awarded to the College of Medicine. The Juvenile Diabetes Research Foundation awarded the funds to an interdisciplinary team of basic and clinical researchers led by Tom Gardner, M.D., M.S. (left), David Antonetti, Ph.D. (center), and Alistair Barber, Ph.D. (right), seen here in one of the main research labs used to test potential diagnostics and treatments for eye disease caused by diabetes.
Construction began in 2007 on a 175,000 square foot, four-story building to provide a new home for cancer-related clinical and research operations, and create a new main hospital entrance. The new facility will bring together leading-edge cancer treatment with ongoing cancer research in one location and help position the Cancer Institute to earn a National Cancer Institute designation—the hallmark accreditation for academic cancer centers. The cancer center should be operational by early 2009.
During the 2006 calendar year, two-thirds of all 8-hour shifts in the Medical Center operated at 96 percent capacity or higher. By mid-2007, the percentage was trending even higher. Below, Senior Vice President, Dean, and CEO Harold L. Paz, M.D., Executive Director Alan Brechbill, and Chief Nursing Officer Donna Reck, M.S.N., R.N., C.N.A., B.C., talk with Nurse Manager Paula Labonte, R.N. during their regular hospital rounds.

In the photo, Edwards “Ned” Schwentker, M.D., adjusts the cast of a little boy from Puerto Lempira, the most remote area of Honduras. Ned Schwentker and his wife Nancy “Bunny” Schwentker have been organizing medical mission trips to Honduras since 1995. During the past 12 years, the Schwentkers and teams of medical volunteers have evaluated more than 4,500 Honduran children and performed corrective orthopaedic surgery on more than 1,000 of them.

The Schwentkers are currently working with CURE International, Rotary International and the Hershey Rotary Club to establish a 20-bed pediatric orthopaedic hospital in San Pedro Sula, Honduras to expand treatment of impoverished children. The hospital is expected to be completed in late 2008.
David Prifer is just one of the many cooks on the food services team. One of Dave’s primary duties is cooking for catering functions. Last year, there were 177,000 customer encounters in the catering operation. Many of those customers enjoyed a large-scale buffet such as the annual holiday party, which served 3,500 people. Some received coffee and pastries at a seminar, got pizza at a departmental celebration, or ate cake and cookies at an employee-of-the-month announcement. When he’s not cooking pizza for a catered event, Dave preps food for our patient and retail operations which, last year, served more than 1.58 million customers at the five retail sites, and more than 424,000 patient meals.
BELOW

118 of our tiniest patients were transported in one year. The Pediatric Mobile Intensive Care Unit is equipped to transfer not only neonatal patients to and from the hospital, but children of any age and their families. In all, 572 patients were transported in an environment that is not only safe, but comfortable as well.

ABOVE

785 experienced nurses applied for RN positions in FY 2006-07. Of those, 203 were selected. More than 100 recent nursing school graduates were also hired. Nurse recruiters like Jenny Tuttle, R.N. (foreground), attended nearly 40 college career fairs and nursing conventions to spread the word of the professional rewards and generous benefits offered at the Medical Center. Jayne Mettetal, R.N., (right) was interviewed by Jenny for a position as a clinical research coordinator in neurology. She was eventually offered the job, and she accepted.
A Record Year in Philanthropy

Penn State Hershey Medical Center and Penn State Hershey College of Medicine enjoyed a record year of giving from July 1, 2006 to June 30, 2007 with a total of nearly $55.7 million raised. The generosity of 48,855 total donors, which include organizations, foundations, grateful patients, alumni, and friends made this success possible. The enterprise welcomed 156 more organizations, 1,152 more alumni, 5,140 more friends, 349 more corporations, and 14 more foundations than the previous year.

Corporate gifts, such as Highmark Inc.’s commitment of $25,000,000, much of it toward the contribution of a new free-standing Penn State Hershey Children’s Hospital, are a key part of this success, but large-scale fund-raising efforts were also listed among the top contributors. The second largest gift of the year came from the Penn State IFC Panhellenic Dance Marathon, or THON™, which benefits the Four Diamonds Fund. The 46 hour dance marathon, held every February at Penn State University, is the culmination of the THON fund-raising year. The students surpassed last year’s total by more than $1 million to raise more than $5.2 million—a new record.

Gifts pledged for Children’s Miracle Network (CMN) at Penn State Hershey Children’s Hospital during FY 2006-07 totaled a record-breaking $3 million. CMN raised $174,259 more than last year’s total. The efforts culminated in June with the twenty third-annual CMN “Celebration” Broadcast. Throughout the event, viewers were encouraged to pledge $20 a month for 12 months to purchase 7 state-of-the-art ventilators for the Neonatal Intensive Care Unit. All funds raised from the year’s efforts will be used to support pediatric programs, research, equipment, and services at Children’s Hospital.

We are also thankful to the millions given in research grants, such as one from the Jake Gittlen Cancer Research Foundation. Their efforts toward cancer research grow every year with the Jake Gittlen Memorial Golf Tournament. This year $750,000 was pledged to enrich many facets of cancer research, including carcinogenesis, immunotherapy, metastasis, genetic
instability, and gene regulation. Warren Gittlen started the foundation and the golf tournament in memory of his dad, Jake who died of cancer in 1970. Since then the foundation has brought in more than $10 million for cancer research.

Friends, such as Edward and Jeanne Arnold, of Lebanon, PA, are able to make a real impact with one generous gift. With their $1 million contribution, the Hummingbird Program was established. The program supports families who have chronically ill children financially and emotionally. Thanks to the Arnolds a transitional care suite will be built for Hummingbird, bringing Penn State’s vision of a freestanding Children’s Hospital one step closer. In addition to their commitment to Children’s Hospital, Jeanne also supports Children’s Miracle Network at Children’s Hospital and serves on the Children’s Hospital Executive Committee. Both serve on the Penn State Hershey Campaign Committee.

Total Number of Donors and Money Raised

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Donations of Less than $1,000

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Market Value of Penn State Hershey Endowments at start of Fiscal Year 2007: $252,314,013.61
Market Value of Penn State Hershey Endowments at close of Fiscal Year 2007: $297,680,113.59
Gifts to Penn State Hershey Endowed Funds during Fiscal Year 2007: $3,325,935.75
Named for Penn State's most cherished landmark, Mount Nittany Society represents the highest level of personal philanthropy to Penn State and includes those individuals and couples whose lifetime giving or irrevocable commitments to the university total $100,000 or more. Throughout this report, members of the Mount Nittany Society are denoted by the MNS symbol.

*deceased
Named for Penn State's most cherished landmark, Mount Nittany Society represents the highest level of personal philanthropy to Penn State and includes those individuals and couples whose lifetime giving or irrevocable commitments to the university total $100,000 or more. Throughout this report, members of the Mount Nittany Society are denoted by the MNS symbol.

*deceased
Corporation, Foundation and 
Association Leaders
Annual Contributions Totaling
$100,000 or more

Alex’s Lemonade Stand Foundation
American Cancer Society
American Diabetes Association, Inc.
American Endowment Foundation
American Heart Association
Eli and Edythe L. Broad Foundation
Burke Medical Research Institute
Children’s Miracle Network Miracle Ball
Children’s Miracle Network Telethon

Additional Corporations, Foundations, and 
Associations
Annual Contributions Totaling $1,000 
to $99,999

4 Q Too Consolidated
445 Foundation
52S Made in America, Inc.
1675 Foundation
A & J Fixtures, Inc.
A & J Refrigeration, Inc.
Abbott Laboratories
Accenture Foundation, Inc.
Accu–Weather
Ace Hardware Corporation
Ad–Tech Electronics, Inc.
Advanced Technologies and Laboratories
AGA Medical Corporation
Ahold Financial Services
Alcon Laboratories, Inc.
Alicia Rose Victorious Foundation
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AmerGen Energy Company, LLC
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Immunology
American Academy of Pediatrics, Pennsylvania Chapter
American College of Allergy, Asthma & 
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AMG Charitable Gift Foundation
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Annville–Cleona Middle School/High 
School Mini–Thon
Anonymous
Applebee’s Neighborhood Grill & Bar
ARAMARK
ARAMARK School Support Services
Arch Reinsurance Company
Arthritis Foundation
Ascom, Inc.
Association for Academic Surgery
Association of Faculty and Friends of 
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AstraZeneca Pharmaceuticals LP
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B. Braun Medical Inc.
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Bermudians Springs Elementary School
Big Spring High School Mini–Thon
Bio-Imaging Technologies, Inc.
BioLife Plasma Services
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B.K. Invitational
Blau & Berg Company
Blockbuster
Blooms by Vickrey
Bomberger’s Store, Inc.
Friends of Bone Marrow Transplant 
Program
Boonababe Clothing Inc.
Boston Scientific Corporation
Bouzick Distributors
B. R. Kreider and Son, Inc.
Frank J. Braccini Memorial Golf 
Tournament
Bradford Exploration Inc.
Bravo Group, Inc.
Broad Street Run–A–Muck
Brossman Foundation
Buchart Horn, Inc.
Burgess–Mc Cormac Foundation
Cafe 210 West Inc.
Capital BlueCross
Carlisle Syntec Systems
Carrier
Cedar Crest High School
Cedar Crest Middle School
Celebration for Life, Inc.
Celtic Crossroads
Central Dauphin East High School 
Football Boosters
Central Dauphin High School Mini–Thon
Central Penn Doll Collectors
Central Pennsylvania Triumph Club
CH R Corporation
Chesapeake Region, Porsche Club 
of America, Inc.
Citadel Broadcasting Company
Citigroup Foundation
Clear Channel Communications, Inc.
Cloister Car Wash & Lube
CNA Foundation
Coca–Cola Bottling Company of Eastern 
Great Lakes
Cold Stone Creamery
Combob
Combined Federal Campaign
Community of Heroes Softball Challenge
CommunityBanks
CommunityBanks Foundation
Computer Aid Inc.
Drew Comrey Memorial Golf Tournament
Conewago Valley Intermediate School 
Mini–Thon
Conoy Brethren in Christ Church 
Cooper–Booth Wholesale Golf Tournament
Cordis Endovascular Systems, Inc.
Costco Wholesale
Creative Video Souvenir Productions
Crown Center for Women and Newborn Health 
Cumberland Valley High School Mini–Thon
Cycling for Life Foundation
Cystic Fibrosis Foundation
D & E Communications, Inc.
Dallas High School Mini–Thon
Charles A. Dana Foundation, Inc.
DEDC, Inc.
Delitcher Strategies, LLC
Deloitte Services LP
DePuy Spine
Dermatology Associates of Lebanon Ltd.
D.G. Yuengling & Son, Inc.
Diamond Envelope Corporation
Diversified Associates I
Donegal Mutual Insurance Company
Dourte Electric, Inc.
Dover Area High School Mini–Thon
Drager Medical
Durwood Products Inc.
Dutch Valley Food Distributors Inc.
Eastern Exterior Wall Systems Inc.
Eastern PA Retread Motorcycle 
Organization
Eat’n Park Hospitality Group, Inc.
Eberly Plumbing Inc.
Eckerd Corporation
Edgar Snyder & Associates, LLC
Eisai Medical Research Inc.
Elite Plastic Surgery
Elizabethtown College Mini–Thon
Elizabethtown High School Mini–Thon
Elstonville Motorcycle Club
Elstonville Sportsmen’s Association
Enterprise Rent–A–Car
E. S. R. Construction Inc.
Eureka Metal & Glass Services, Inc.
Excel, Inc., EDC III
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Falling Spring Elementary School
Fenic’s of Hershey
Fidelity Investments
Fidelity Investments Charitable Gift Fund
Food Lion, Inc.
Foreman Foundation
Foundation for Enhancing Communities
Fox Chase Cancer Center
Frank E. Rath • Spang & Company 
Charitable Trust
Fraternal Order of Eagles Pennsylvania 
State Aerie
Freeburn & Hamilton
Fulton Bank
Garden Spot High School/Ephrata High 
School Mini–Thon
Lenny Garner Jr. Cancer Benefit Fund
GE Fund
RVG Management & Development Company
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S and T Spouting, Inc.
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Sheraton Harrisburg–Hershey
Silicon Valley Community Foundation
I. O. Silver Games
Simon Butler Elementary School Mini–Thon
SKF USA Inc.
Alan B. Slifka Foundation, Inc.
Smeal College of Business
Smoker Smith & Associates
Society of American Gastrointestinal & Endoscopic Surgeons
South Central Pennsylvania Sickle Cell Council
South Central Task Force
Sovereign Bank, Inc.
G. R. and Grace M. Sponaugle Charitable Foundation
Spring Grove Middle School Mini–Thon
Springfield High School Mini–Thon
Sprint Foundation
St. Baldwin’s Foundation
St. Clair CPAs, P.C.
St. Jude Medical, Inc.
St. Theresa School
Donald B. and Dorothy L. Stabler Foundation
Stambaugh Plumbing & Heating Inc.
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J. T. Tai & Company Foundation, Inc.
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Tanger Outlet Centers
Tender Years, Inc.
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T.G.I. Friday’s
Thompstown Elementary School
Tombros Foundation
Top Notch Distributors, Inc.
Top Quality Construction, Inc.
Town & Country Moving & Storage
Township of Derry, Pennsylvania Employees
Treyco Manufacturing, Inc.
Triple T Associates
Alice Livingston Trout Family Fund
Truckers for Miracle Kids
Turkey Hill Minit Markets, Inc.
Turner Family Foundation
Twin County Construction Company, Inc.
Tyco Electronics Corporation
Tyco Electronics Employees
Tyco Electronics Foundation
Tyco International Ltd.
U.S. Charitable Gift Trust
Uniform Professionals
Unilever Home & Personal Care – USA
United Bank Card, Inc.
United Way of Allegheny County
United Way of Lancaster County
United Way of New York City
United Way of the Capital Region
United Way of Tri-State, Inc.
United Way Special Distribution Account
Universal Media, Inc.
University of Wisconsin
Upper Dauphin Area Middle School
Upper Dublin High School
UTZ Quality Foods, Inc.
Verizon Foundation
Veterans of Foreign Wars Inc.
Vision Foundation, Inc.
Walgreens
Wal–Mart Foundation
Warner Chilcott
Weis Markets, Inc.
West Cumberland Chapter of Thrivent Financial for Lutherans
West Perry Middle School
West York Area High School Mini–Thon
Whalley Charitable Trust
Mark H. Wholey Family Foundation
Bill and Sandy Williams Family Fund
of The Luzerne Foundation
Winpak Portion Packaging
Woodloch Pines Resort
World Freight Associates
Yellow Breeches Middle School
York County Corvette Club
Herman Yudacufski Charitable Foundation
Zete Kids USA
Zimmerman Family Love Fund
Zitelli & Brodland, PC.

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Despite every effort to prevent them, errors sometimes occur in producing this report of private giving. If your name has been omitted or misprinted, please notify us and accept our sincere apologies.

Penn State Hershey Medical Center and Penn State Hershey College of Medicine seeks philanthropic support to enhance our programs and services. To make a gift today, simply use the enclosed reply envelope or contact the Office of University Development for more options on how you can support our missions of education, research, patient care, and community service.
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Michael Weitekamp, M.D., M.H.A.
Chief Medical Officer

Donna Reck, R.N., M.S.N., C.N.A. (B.C.)
Chief Nursing Officer

Department Chairs

Anesthesiology
Berend Mets, M.B., Ch.B., F.R.C.A, F.F.A.S.A, Ph.D.

Biochemistry & Molecular Biology
Judith Bond, Ph.D.

Cancer Institute
Thomas P. Loughran Jr., M.D.

Cellular & Molecular Physiology
Leonard Jefferson, Ph.D.

Comparative Medicine
Ronald Wilson, D.V.M.

Dermatology
James Marks Jr., M.D.

Emergency Medicine
Thomas Terndrup, M.D. ’81 MED

Family & Community Medicine
James Herman, M.D., M.S.P.H.

Public Health Sciences
Vernon Chinchilli, Ph.D.

Heart & Vascular Institute
Lawrence Sinoway, M.D.

Humanities
John Neely, M.D. (Interim)

Medicine
Robert Aber, M.D.

Microbiology & Immunology
Richard Courtney, Ph.D.

Neural & Behavioral Science
Colin J. Barnstable, D.Phil.

Neurology
David Good, M.D.

Neurosurgery
Robert Harbaugh, M.D., F.A.C.S. ’78 MED

Obstetrics & Gynecology
John Repke, M.D.

Ophthalmology
David Quillen, M.D. ’90 MED

Orthopaedics & Rehabilitation
Kevin Black, M.D.

Pathology
Dani Zander, M.D.

Pediatrics
A. Craig Hillemeier, M.D.

Pharmacology
Kent Vrana, Ph.D.

Psychiatry
James Hegarty, M.D. (interim)

Radiology
Kathleen D. Eggli, M.D.

Surgery
Peter Dillon, M.D.

Board of Directors

Edward P. Junker III ’59 HHD, Chair 2009
Dennis P. Brenckle 2008
Peter M. Carlino ’69 LIB 2009
Donald M. Cook, Jr. ’52 HHD 2008
Rodney Erickson 2008
Marian “Mimi” Barash Coppersmith ’53 COM 2008
Steve A. Garban ’59 BUS 2010
Dave Joyner, M.D. ’72, ’76 MED 2009
J. Bruce McKinney ’62 DSL 2009
John H. Rhodes ’62 BUS 2010
Barry Robinson ’67 LIB 2009
L. J. “Bud” Rowell ’55 HHD 2010
Gary Schultz ’71 ENG, ’75g ENG 2010
Harold L. Paz, M.D., M.S. (ex-officio member)
Robert Harbaugh, M.D., F.A.C.S. ’78 MED (ex-officio member) 2008
## Summary of Revenue & Expenses

<table>
<thead>
<tr>
<th>FISCAL YEARS '01, '02, '03, '04, '05, '06, '07</th>
<th>FY 01</th>
<th>FY 02</th>
<th>FY 03</th>
<th>FY 04</th>
<th>FY 05</th>
<th>FY 06</th>
<th>FY 07</th>
</tr>
</thead>
<tbody>
<tr>
<td>Net Patient Revenue</td>
<td>$423,454</td>
<td>$466,530</td>
<td>$486,126</td>
<td>$575,880</td>
<td>$655,814</td>
<td>$709,709</td>
<td>$789,688</td>
</tr>
<tr>
<td>Other Operating Revenue</td>
<td>$24,166</td>
<td>$27,014</td>
<td>$27,384</td>
<td>$26,509</td>
<td>$35,455</td>
<td>$36,917</td>
<td>$36,592</td>
</tr>
<tr>
<td>Total Revenue</td>
<td>$447,620</td>
<td>$493,544</td>
<td>$513,510</td>
<td>$602,389</td>
<td>$691,269</td>
<td>$746,626</td>
<td>$826,279</td>
</tr>
<tr>
<td>Expense (Excluding Academic Support)</td>
<td>$429,008</td>
<td>$464,843</td>
<td>$483,353</td>
<td>$551,147</td>
<td>$628,301</td>
<td>$690,012</td>
<td>$770,980</td>
</tr>
<tr>
<td>Total Operating Income</td>
<td>$18,612</td>
<td>$28,701</td>
<td>$30,157</td>
<td>$51,242</td>
<td>$62,968</td>
<td>$56,614</td>
<td>$55,300</td>
</tr>
<tr>
<td>Non-Operating Income/Loss</td>
<td>$1,548</td>
<td>$789</td>
<td>$3,393</td>
<td>$560</td>
<td>$1,398</td>
<td>$2,767</td>
<td>$4,038</td>
</tr>
<tr>
<td>Total Income (Before Academic Support)</td>
<td>$20,160</td>
<td>$29,490</td>
<td>$33,550</td>
<td>$51,802</td>
<td>$64,366</td>
<td>$59,381</td>
<td>$59,338</td>
</tr>
<tr>
<td>Academic Support Payments</td>
<td>$19,111</td>
<td>$27,010</td>
<td>$29,967</td>
<td>$36,391</td>
<td>$35,944</td>
<td>$28,420</td>
<td>$34,756</td>
</tr>
</tbody>
</table>

**NOTE:** This schedule reflects the results of Penn State Hershey Medical Center audited statements. Additionally, the numbers represented above exclude any contributions made to PSHMC for the purchase of equipment and cumulative effect of the adoption of accounting principle.
### Annual Report 2007

#### Research Statistics

**FISCAL YEARS '01, '02, '03, '04, '05, '06, '07**

<table>
<thead>
<tr>
<th></th>
<th>FY 01</th>
<th>FY 02</th>
<th>FY 03</th>
<th>FY 04</th>
<th>FY 05</th>
<th>FY 06</th>
<th>FY 07</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Number of Proposals Submitted</strong></td>
<td>689</td>
<td>737</td>
<td>815</td>
<td>861</td>
<td>910</td>
<td>937</td>
<td>1,057</td>
</tr>
<tr>
<td><strong>Total Dollars Requested (in Millions)</strong></td>
<td>$103.7</td>
<td>$122.5</td>
<td>$136.6</td>
<td>$156.4</td>
<td>$164.2</td>
<td>$165.3</td>
<td>$180.5</td>
</tr>
<tr>
<td><strong>Number of Proposals Awarded</strong></td>
<td>472</td>
<td>566</td>
<td>515</td>
<td>565</td>
<td>594</td>
<td>614</td>
<td>592</td>
</tr>
<tr>
<td><strong>Total Dollars Awarded (in Millions)</strong></td>
<td>$70.1</td>
<td>$83.3</td>
<td>$85.1</td>
<td>$98.5</td>
<td>$98.8</td>
<td>$95.4</td>
<td>$98.5</td>
</tr>
<tr>
<td><strong>Number of Active Awards on 6/30 of FY</strong></td>
<td>771</td>
<td>884</td>
<td>868</td>
<td>894</td>
<td>959</td>
<td>972</td>
<td>976</td>
</tr>
<tr>
<td><strong>Total Dollars of Active Awards on 6/30 of FY (in Millions)</strong></td>
<td>$94.4</td>
<td>$107.3</td>
<td>$112.2</td>
<td>$124.2</td>
<td>$132.5</td>
<td>$154.1</td>
<td>$161.3</td>
</tr>
</tbody>
</table>

### Annual Report 2007

#### Summary of Inpatient & Outpatient Utilization

**FISCAL YEAR 2001 THRU 2007 ACTUAL**

<table>
<thead>
<tr>
<th></th>
<th>ACTUAL 2000/01</th>
<th>ACTUAL 2001/02</th>
<th>ACTUAL 2002/03</th>
<th>ACTUAL 2003/04</th>
<th>ACTUAL 2004/05</th>
<th>ACTUAL 2005/06</th>
<th>ACTUAL 2006/07</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Inpatient Discharges</strong></td>
<td>21,761</td>
<td>21,513</td>
<td>21,924</td>
<td>23,663</td>
<td>25,712</td>
<td>26,337</td>
<td>27,615</td>
</tr>
<tr>
<td><strong>Admissions</strong></td>
<td>21,779</td>
<td>21,493</td>
<td>21,929</td>
<td>23,700</td>
<td>25,718</td>
<td>26,374</td>
<td>27,615</td>
</tr>
<tr>
<td><strong>Average Length of Stay</strong></td>
<td>5.83</td>
<td>5.84</td>
<td>5.58</td>
<td>5.40</td>
<td>5.34</td>
<td>5.60</td>
<td>5.64</td>
</tr>
<tr>
<td><strong>Emergency Department Visits</strong></td>
<td>36,927</td>
<td>40,240</td>
<td>42,526</td>
<td>45,044</td>
<td>46,948</td>
<td>45,181</td>
<td>47,163</td>
</tr>
<tr>
<td><strong>Total Surgical Cases</strong></td>
<td>16,023</td>
<td>16,463</td>
<td>15,941</td>
<td>18,254</td>
<td>21,704</td>
<td>21,969</td>
<td>23,087</td>
</tr>
<tr>
<td><strong>Hospital-based Clinic Visits</strong></td>
<td>360,578</td>
<td>377,650</td>
<td>388,781</td>
<td>422,086</td>
<td>444,734</td>
<td>453,788</td>
<td>471,623</td>
</tr>
<tr>
<td><strong>Free-Standing Clinic Visits</strong></td>
<td>206,803</td>
<td>216,910</td>
<td>236,191</td>
<td>275,344</td>
<td>293,482</td>
<td>309,640</td>
<td>316,607</td>
</tr>
<tr>
<td><strong>Total Clinic Visits</strong></td>
<td>567,381</td>
<td>594,560</td>
<td>624,972</td>
<td>697,430</td>
<td>738,216</td>
<td>763,428</td>
<td>788,230</td>
</tr>
</tbody>
</table>
Each year, as the number of ill patients admitted to Penn State Hershey Medical Center increases, we are happy to report that so does the number of new lives that are brought into our world in the Labor and Delivery Unit. The Medical Center has experienced a 21 percent increase in deliveries over the past five years. Emma Wang is just 1 of more than 1,600 precious babies that are born each year here with the help of Penn State Hershey obstetricians.
Photographs by Ray Deimler, Jason Eby, Julie Knutsen, Matthew Lester, Darrel Peterson, Ken Smith, and Alan Wycheck.

The Pennsylvania State University is committed to the policy that all persons shall have equal access to programs, facilities, admission, and employment without regard to personal characteristics not related to ability, performance, or qualifications as determined by University policy or by state or federal authorities. It is the policy of the University to maintain an academic and work environment free of discrimination, including harassment. The Pennsylvania State University prohibits discrimination and harassment against any person because of age, ancestry, color, disability or handicap, national origin, race, religious creed, sex, sexual orientation, gender identity or veteran status. Discrimination or harassment against faculty, staff, or students will not be tolerated at The Pennsylvania State University.

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