The Education Division at Hospital for Special Surgery is committed to being the source for outstanding initiatives in education, training, research, and information for local, national and international communities to prevent and treat musculoskeletal conditions.
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THE ACCOMPLISHMENTS highlighted throughout this report are the result of our ability to maintain and strengthen strategic partnerships with our numerous Education & Academic Affairs Advisory Committees, championed by the vision and ongoing support of our Surgeon-in-Chief, Thomas P. Sculco, MD, along with our institutional partners and broadening external community relations, now global in scope.

The Education & Academic Affairs 2010 strategic work plan focused on realizing its aspirational statement “to be the ‘most trusted educator’ of patients, the public and health professionals.” To ensure academic excellence, HSS thought leaders engaged learners at all stages in the education continuum, utilizing adult learning principles.

In 2010, Education & Academic Affairs activities experienced a 26 percent increase in program reach from 2009 with a total of 34,092 participants through state-of-the-art Graduate Medical Education (GME) programs, Continuing Medical Education (CME) activities, Bioskills Education Laboratory sessions, International Learning and Training Center initiatives, Kim Barrett Memorial Medical Library resources, and Public and Patient Education offerings.

Additionally, 2010 marked the completion of Hospital for Special Surgery’s second year as an ACCME-accredited provider for Continuing Medical Education, during which HSS developed, accredited and facilitated 14 live CME activities, 17 regularly scheduled sessions, and continued accreditation of seven enduring activities, awarding a total of 30,206 CME credits.

HSS hosted a total of 16,892 professional education program participants, including HSS medical staff along with local, national and international health care professionals including orthopaedic surgeons, rheumatologists, radiologists, neurologists, anesthesiologists, pediatricians, psychiatrists, sports medicine physicians, physical therapists, athletic trainers, nurses, nurse practitioners, surgical technicians, physician assistants, residents, fellows and medical students. We also hosted a total of 387 visitors through our Academic Visitor Program, 48 percent of whom were international.

In the 2009-10 academic year, a total of 450 participants including residents, fellows from 17 different orthopaedic and musculoskeletal medicine programs, and medical students engaged in HSS GME programs. One hundred and ninety-seven credentialed in-rotators and consults were processed through the Academic Training Department, enabling expanded access to subspecialty consultative care and training. We successfully prepared for four Accreditation Council for Graduate Medical Education (ACGME) site visits that included the review and first-time accreditation of two training programs—the Neuromuscular Medicine and Musculoskeletal Radiology fellowships.

The achievements mentioned throughout this report are the result of our ability to maintain and strengthen strategic partnerships with our numerous Education & Academic Affairs Advisory Committees, championed by the vision and ongoing support of our Surgeon-in-Chief, Thomas P. Sculco, MD, along with our institutional partners and broadening external community relations, now global in scope.
Our public and community participation remained strong, reaching 5,319 participants who attended HSS-sponsored lectures, symposia, workshops, wellness classes, support groups, screenings and community/corporate-based health fairs. In addition, 2010 marked a time of developing measurable public health outcomes with the implementation of our first in a three-year Community Service Plan.

Financial milestones in 2010 included ongoing efforts to diversify funding streams to support our wide range of programming, resulting in a 207 percent increase in total exhibitor fees for professional education activities as compared to 2009. The Alumni Association philanthropic programs and activities produced an 18 percent increase in total dues with continued support by alumni of the recently created HSS Alumni Fund.

Another milestone in 2010 occurred with a 6 percent increase in external funding for a total of $3.19 million, illustrating our continued success in cultivating relationships to acquire needed financial resources to meet our strategic goals. The breadth of funding streams was further diversified, marking the second year of soliciting individual gifts, resulting in a 119 percent increase with receipt of gifts from 50 grateful colleagues of HSS—while acquiring enhanced funding from foundation grants, exhibit and commercial development fees and maintaining consistent funding from corporate and government grants.

Education & Academic Affairs facilitated two strategic retreats and completed a report on our current education program platform and opportunities for expansion. The Academic Retreat was held to determine how to ensure balance between current and future service demands in order to maintain the highest educational experience for trainees in our residency program. The goal was to ascertain what changes, if any, need to be made to the structure and curriculum of the program to maximize the educational content and value of every learning opportunity. The HSS Journal Retreat assessed the journal’s first five years of publication and facilitated discussions to establish a strategic plan for the next five years, with the goal to position the journal for PubMed indexing.

An in-depth analysis on the viability of creating an Academic Institute was completed in 2010. The report summary validated HSS’ delivery of an outstanding, broad range of educational and academic programming, meeting educational accreditation criteria. It was also noted that Education & Academic Affairs functions with efficiency, maintaining an excellent reputation for quality and consistency with an established program base. A number of strategic recommendations were provided, whose feasibility will be explored in 2011.

HSS and its faculty continued to foster a learning culture, providing educational programs and curricula that embrace core competencies, result in measurable improvements in terms of the knowledge, competence and performance of the learner; comply with requirements of accrediting bodies; and promote integration with hospital-wide quality of care initiatives.

To attain these goals, the Education & Academic Affairs 2010 strategic work plan emphasized establishing benchmarks in program delivery, changes in learner performance, and a defined impact on community programming, which are delineated throughout this report.

The Alumni Association philanthropic programs and activities produced an 18 percent increase in total dues with continued support by alumni of the recently created HSS Alumni Fund.
2010 brought significant changes in how we train physicians through a variety of initiatives in response to further modifications and requirements by the ACGME. These program enhancements were facilitated under the leadership of Mathias P. Bostrom, MD, Director of Academic Orthopaedics, Residency Program Director and Chair of the Graduate Medical Education Council.

In March 2010, the second Academic Retreat was facilitated with over 30 physicians and administrative staff, resulting in 25 action items to be reviewed and implemented by the end of 2011. The retreat focused on four major themes: the mission of the residency program, criteria to assign residents to attendings, continuity of care, and restructuring the curriculum.

Several strategic action steps were implemented to build on the momentum generated by the retreat, including the creation of a new task force with broad representation from large and small services, senior and junior faculty, and individuals heading relevant committees. This task force will establish immediate priorities and develop an overall work plan identifying short and long-term goals, relevant milestones and timelines.

By the end of 2010, our GME mission statement was refined: “Our mission is to select the best students, provide them with diverse and rigorous educational experience that fosters the highest academic achievement, and create the next generation of leaders in orthopaedics.”

Working with a more defined mission will assist Riley J. Williams III, MD, Resident Selection Committee Chair, and the committee in cultivating the caliber of applicants we aspire to select. Support for revisions to the appraisal process were endorsed by the Resident Appraisal Committee under the guidance of its Chair, Roger F. Widmann, MD. Enhancements for 2011 include a web-based resident portfolio, a revised evaluation form, restructured committee meetings and PGY level mentor assignments. The Faculty Appraisal Committee, chaired by Scott W. Wolfe, MD, ensured that three years of faculty appraisal data was centralized to assist in developing a performance-based teaching stipend.

To assist in determining criteria to assign residents to attendings, “Most Trusted Educator” meetings were facilitated with each resident PGY level to better understand resident expectations of faculty teaching practices and identify exemplary teaching models. In relation to efforts to restructure curriculum in collaboration with the Curriculum Committee chaired by Edward A. Athanasian, MD, the Orthopaedic Surgery Department’s Mortality and Morbidity Conference was reorganized to integrally connect with the Quality Management and Risk Management committees. The Resident/PA Committee co-chaired by Anil S. Ranawat, MD, and Mathias P. Bostrom, MD, coordinated efforts to improve continuity of care strategies that will continue to evolve and be implemented in 2011.

ACGME Accreditation Milestones
- Organized and successfully completed four ACGME Program site visits
- Obtained ACGME Accreditation for two new fellowship programs: Neuromuscular Medicine and Musculoskeletal Radiology
- Facilitated five internal ACGME program reviews in preparation for upcoming program site visits

The Perry Initiative
In 2010, Hospital for Special Surgery teamed up with The Perry Initiative to encourage a group of high school girls to consider careers in orthopaedic surgery and engineering.

HSS hosted the young women in August 2010 for a day of mentoring, hands-on workshops, and team sharing.

The program is designed to give young women hands-on experience in science and medicine; the confidence in breaking gender stereotypes associated with science and medicine; and a general understanding of the engineering and medical aspects of orthopaedic surgery.

This initiative is also designed to provide a mentoring network that includes female engineers and clinicians as well as the knowledge that women can thrive in professions that have not, until now, been presented as a viable option.
Participated in one NYPH-accredited Adult Rheumatology Program site visit

### MEDICAL STUDENT PROGRAM

The Medical Student Advisory Committee was initiated in 2007 to provide oversight and strategic direction to medical student programs across all specialties and is chaired by Anne M. Kelly, MD. Since 2007, the Medical Student Program has grown and currently offers a variety of programs:

- Summer Medical Student Program
- 3rd year Cornell Surgical Elective
- 4th year Medical Student Elective
- Visiting Medical Student Program

The 4th year Medical Student Elective application selection process was updated in 2010 to align criteria for the 4th year elective with resident selection. Additionally, curriculum for this elective was updated and standardized to broaden exposure to musculoskeletal education. 2011 plans include incorporating pre- and post-testing to evaluate the impact of the elective.

### FELLOWSHIP PROGRAMS

A new one-year fellowship program in Hip Pain and Preservation was endorsed by the Fellowship Committee and later approved by the GME Council to begin in 2011. The Fellowship Committee, chaired by James C. Farmer, MD, agreed that this fellowship is important to furthering the hospital’s vision of being a world leader by supporting HSS’ ability to gather evidence and define indications and benchmarks in this emerging area of care.

Growth in HSS fellowships continued in 2010 including approval to add a fourth Hand fellow beginning in 2011. The Musculoskeletal Radiology fellowship program was also awarded ACGME accreditation for seven positions, with HSS being the sponsoring institution. The Neuromuscular Medicine fellowship program received ACGME accreditation for two positions per year. These new program additions and expansions bring the HSS clinical fellowship complement to 71.

### BIOSKILLS EDUCATION LABORATORY (BSEL)

The BSEL Lab saw a 29 percent increase in total activity in 2010, with the most significant shift in resident/fellow research project work, noting a 125 percent increase. This growth in trainee research and education utilization was in alignment with the mission of the lab, as endorsed by the BSEL Advisory Committee, chaired by Andrew A. Sama, MD.

A majority of the overall increase in lab utilization occurred during the second half of the year as a result of changes to lab staffing. The BSEL Assistant Coordinator assumed the role of Lab Coordinator in June, and, through her leadership and management skills, orchestrated staffing and scheduling resources to achieve significant lab activity growth.

### KIM BARRETT MEDICAL LIBRARY

The Medical Library Advisory Committee, under the leadership of Matthew M. Roberts, MD, approved plans to renovate the library to address the issue of overcrowding. The renovation will add...
In 2010, the Library facilitated 13 training sessions for our nursing staff (275 participants) and five trainings in conjunction with the Greenberg Academy for Successful Aging (approximately 35 participants).

three new work stations and a large “teaming” table along with one additional staff workstation.

The Medical Library Advisory Committee also spearheaded an effort to improve residents’ access to library and clinical resources from their residences. With the cooperation of HSS Information Technology and the Academic Training Department, laptops were acquired to provide residents a secure network connection from home.

In 2010, the Library facilitated 13 training sessions for our nursing staff (275 participants) and five trainings in conjunction with the Greenberg Academy for Successful Aging (approximately 35 participants). In addition, the Medical Library Assistant position was expanded to full time, helping to support the 9,542 library visits that occurred in 2010.

2010 was remarkable in that it showed a change in the five-year trend of increases in the amount of articles borrowed from other libraries. This year, that amount dropped by 16 percent (a decrease of 400 articles); however, there was nearly a 50 percent increase in the number of full text articles accessed online, an increase of nearly 30,000 articles. This change is due to the library’s continued efforts to assess the borrowing patterns of the HSS staff and add to the collection accordingly.

RESIDENT RESEARCH CURRICULUM
The ongoing support of a dedicated Academic Research Coordinator supported through funding raised by the Autumn Benefit and combined with the continued mentorship provided by Robert G. Marx, MD, MSC, FRSCS, Chair of the Resident Research Committee, resulted in enhanced resident research productivity.

Eighteen research grants were submitted in 2010, and to date three grants have been awarded. “A Grant Writing Workshop” was implemented and “A Mock Grant Review” was also developed. In addition, seventeen resident research projects were presented at national meetings either by poster or podium.

ARCHIVES PROGRAM
The Archives Committee developed and presented four rotating displays on the eighth and fourth floors of the hospital on the “History of Training at HSS.” David B. Levine, MD, Archives Committee Chair, gave a talk on the history of the Research Department at HSS and the generous philanthropic contributions of Alfred and Margaret Caspary.

Andrew A. Sama, MD, Associate Director, Archives Committee, wrote an article on the same topic for Alumni News, and David Oshinsky, PhD, Pulitzer Prize-winning American historian and author of Polio: An American Story, was an invited speaker at the 92nd Annual Alumni Meeting.
THE PROFESSIONAL EDUCATION DEPARTMENT’S efforts in 2010 continued to foster the vision of “being a leading and trusted source for educating physicians and health care professionals through state-of-the-art programming aimed at providing knowledge to prevent, diagnose and treat musculoskeletal conditions, enhance patient outcomes, and promote optimal health.”

A total of 38 professional education activities were facilitated, providing continuing medical education credits for physicians, physical therapists, athletic trainers, certified registered nurse anesthetists and nurse practitioners through their respective accrediting agencies: Accreditation Council for Continuing Medical Education (ACCME), National Athletic Trainers’ Association (NATA), New York State Education Department (Physical Therapy Continuing Education), American Association of Nurse Anesthetists (AANA), and National Association of Pediatric Nurse Practitioners (NAPNAP).

Program formats encompassed 14 live activities, 17 internal regularly scheduled sessions, three CME-accredited journal articles, four web-based presentations, plus five E-Journals.

As a result of obtaining our own institutional ACCME accreditation status, HSS continued expanding external partnerships and co-sponsorships that culminated in programming collaborations with Major League Soccer, the International Society of Hip Arthroscopy, NAPNAP, Ottawa Hospital, the New York State Society of Orthopaedic Surgeons, the New York State Neurological Society, the New York Society of Physical Medicine and Rehabilitation, and the Network for Continuing Medical Education.

The department developed, submitted and obtained approval of its ACCME Progress Report, putting the HSS CME program in full compliance through 2013.

The CME Committee, chaired by Charles N. Cornell, MD, worked to identify a number of milestones in 2010 including tracking and trending quantitative and qualitative criteria to benchmark measures of success.

As part of this effort, data began to be captured on perceived commercial bias and assessment of learner change to assist in positioning the HSS CME Program to meet current criteria for accreditation.

This also aligns efforts towards our goal of positioning the HSS CME Program for accreditation with commendation for our 2013 site visit, which would place HSS in the upper 10 to 20 percent of current CME providers.

The Professional Education Advisory Committee, chaired by Gregory A. Liguori, MD, continued to advise Education & Academic Affairs in creating appropriate policies and procedures in relation to professional education activities, ensuring that proposed activities are in alignment with the mission and strategic plan for professional education.

As a result, the Professional Education Policies and Procedures Manual was revised including the process for identifying, managing and resolving conflicts of interest.

A policy on social functions was also developed. This new policy and updated Conflict of Interest (COI) policy were
The department developed, submitted and obtained approval of its ACCME Progress Report, putting the HSS CME Program in full compliance through 2013.

endorsed by the GME Council and put into effect.

Through institutional committee collaboration, a Process Improvement CME initiative was identified via the Quality and CME committees and was kicked off with a CME-accredited HSS Journal article. Impact of learner change and physician practice will continue to be measured through 2011 as incremental educational interventions are developed to support change in practices to improve patient care.

CME BENCHMARKING RESULTS 2010

<table>
<thead>
<tr>
<th>CRITERIA</th>
<th>FINDINGS</th>
</tr>
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<tbody>
<tr>
<td>Target Audience/Estimated Number of Participants</td>
<td>63 percent of activities achieved their stated target audience (number of participants or targeted subspecialists)</td>
</tr>
<tr>
<td>Budget Solvency</td>
<td>100 percent realized (75 percent surpassed goal, resulting in income/expense)</td>
</tr>
<tr>
<td>Learner Change 7 point Likert scale in likelihood to change practice as a result of attending education activity, 7=most likely to change</td>
<td>Average grand mean: 6.05</td>
</tr>
<tr>
<td>Free From Perceived Commercial Bias 2010 benchmark of 90 percent or more</td>
<td>88 percent of activities met or surpassed the “90 percent perception free of commercial bias” benchmark goal set in 2010</td>
</tr>
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INTERNATIONAL SOCIETY OF ORTHOPAEDIC CENTERS

The third International Society of Orthopaedic Centers (ISOC) meeting was held in Bologna, Italy, blending presentations on the host institution and Italy’s health care system and culture. The 2010 meeting format offered a day of scientific presentations and a half-day of meetings and work around the four established task forces: Education/Fellowship; Outcomes/Clinical Studies/Registries; Implant Retrieval; and Information Exchange/Website.

A new component for 2010 was a concurrent CEO Session that focused discussions on common challenges facing leading orthopaedic centers, resulting in a manuscript that was submitted and accepted for publication in a 2011 issue of the HSS Journal.

Another accomplishment from this meeting was the establishment of an ISOC International Traveling Fellowship, designed to provide a cross-cultural training experience; the first selected fellow will begin the fellowship in September 2011. Additional milestones realized in response to ongoing efforts from the first two meetings were the launch of the ISOC website (www.isocweb.org) and formal clearance to conduct business as International Society of Orthopaedic Centers.

The vision, implementation and accomplishments of ISOC were highlighted in the September/October 2010 cover story of the internationally distributed professional publication Medical Meetings Magazine. The article, “Change the World: How a Group of High-Level Orthopedists is Turning Small Meetings into Global Progress,” showcased Thomas P. Sculco, MD, ISOC founder, and profiled ISOC.

INTERNATIONAL LEARNING AND TRAINING CENTER PROGRAMS

The fourth consecutive professional education program for Greek orthopaedic surgeons in the treatment and management of orthopaedics and musculoskeletal conditions was conducted through the ongoing support of the Stavros Niarchos Foundation. The “Total Hip: Replacement and Resurfacing” program attended by 16 Greek orthopaedic surgeons included two days of cadaveric training and observation in the operating room, complemented by didactic sessions.

HSS continued its collaboration in the CME-accreditation of the 2nd Annual International Society of Hip Arthroscopy Scientific Meeting held in Mexico and attended by 187 international orthopaedic surgeons.

Other HSS-hosted international programs included the John Insall Traveling Fellows, the American Orthopaedic Foot & Ankle Society (AOFAS) Traveling Fellows and the American Orthopaedic Association (AOA) American-British-Canadian

387 academic visitors hosted at Hospital for Special Surgery in 2010

INTERNATIONAL COMMUNITIES TO PREVENT AND TREAT MUSCULOSKELETAL CONDITIONS.

THE EDUCATION DIVISION

DEMOGRAPHIC OVERVIEW OF ACADEMIC VISITORS 2010

- 41% MDs
- 17% Undergraduates
- 17% Residents
- 8% Medical Students
- 7% Fellows
- 1% Graduate Students
- 4% Allied Health Professionals
- 5% Physical Therapists
Traveling Fellows. The ILTC group developed a plan to conduct two strategic collaborative education programs with the Research Department in 2011: a high level FDA-funded International Consortium of Orthopaedic Registries (ICOR) program and an Osteoarthritis Summit.

ACADEMIC VISITOR PROGRAM

A total of 387 academic visitors were hosted at HSS in 2010 – 48 percent international and 52 percent domestic. The majority of international program participants traveled from Italy, Greece, the U.K., Spain, Turkey, Brazil, India, Argentina, France, Australia, Germany, Switzerland and Japan, and program expansion engaged visitors from eight additional countries: Colombia, Denmark, Ecuador, Ghana, Peru, South Korea, the Netherlands and Estonia.

Top state tallies included visitors from New York, New Jersey, Connecticut, Massachusetts, California and Pennsylvania. In addition to traditional “visits,” the ILTC facilitated visits for medical-administrative delegations from the Endo Klinik, Germany, and Botucatu Medical School, Brazil.

A database of participants from the Academic Visitor Program from 2001 through 2010 was created and includes 1,450 names from 68 countries to enable the long-term fostering of professional relationships between our academic visitors and HSS.

Ongoing communications will promote opportunities for future education program offerings and provide timely information on advances in musculoskeletal medicine at HSS as well as information on opportunities for future academic visits to HSS.

In 2010, ILTC held a series of informational meetings with key HSS personnel designed to raise awareness of the Academic Visitor Program, leading to an enhanced experience for our visitors.

A NUMBER OF NEW ALUMNI ASSOCIATION PROGRAMS were developed with the support of the Alumni Affairs Committee, led by David B. Levine, MD.

THE HSS INTERNATIONAL ALUMNI AMBASSADOR PROGRAM

The HSS International Alumni Ambassador Program was successfully implemented in 2010 with the goal to identify and secure three International Alumni Ambassadors in the first year of this new initiative.

Through the enormous enthusiasm of Alumni Affairs Committee members and HSS medical staff, we surpassed our goal and identified and attained eight Ambassadors, representing six different countries and four subspecialties. One of the objectives of this inaugural program year was to engage Ambassadors to participate in hosting an HSS resident during his/her travel elective.

While the target goal was to confirm two “sponsors,” again, we received an increased interest and to date, have secured four International Alumni Ambassadors to sponsor HSS Resident Travel Electives:

- William L. Walter, MD, Arthroplasty Sydney, Australia
- George AC Murrell, MD, PhD Sports Medicine and Shoulder Sydney, Australia
- Wun-Jer Shen, MD, Spine/Scoliosis Kaohsiung, Taiwan

STAVROS NIACHOS PROGRAMMING 2006–2010

- Four one-year fellowships
- 77 orthopaedic surgeons participated in tailored Professional Education seminars
- OR observation
- One four-day Cadaveric Training/Seminar Program
- Three two-day Orthopaedic programs

FELLOWSHIP

The Stavros Niarchos Foundation Fellowship Program continued into its fifth year with the arrival of Lazaros Poultsides, MD, PhD. The ILTC conducted the third international fellows orientation program for six fellows to enhance their transition to HSS, change in health care systems, processes, with a forum to clarify additional needs while training at the hospital.
Through the enormous enthusiasm of Alumni Affairs Committee members and HSS medical staff, we have surpassed our goal and identified and secured eight ambassadors to participate in the new HSS International Alumni Ambassador Program.

Andrea Baldini, MD
Hip, Knee Arthroplasty
Prato, Italy

Phase two of this plan is to inform and promote International Alumni Ambassadors and their institutions to HSS residents, further cultivating these international learning opportunities.

In addition, an alumni career network portal was established and incorporated into the HSS alumni website to promote networking with current GME trainees and alumni.

CLASS REPRESENTATIVE PROGRAM

The recently implemented class representative program continued to flourish in 2010 through established, strategic communication and relationship-building with the Office of Alumni Affairs.

In addition, structured meetings were facilitated with strategic oversight by Daniel B. Rich, MD, Associate Director of the Alumni Association, at both the Annual AAOS Meeting and the Annual Alumni Association Meeting, providing Class Representatives with a forum to share ideas with the Association to strengthen programming to meet alumni needs and enrich the HSS alumni experience.

As a result, five additional Class Representatives joined the program, bringing the total number of representatives to 49. Through these efforts, class notes contributions in Alumni News increased by 30 percent and alumni dues payment rose by 18 percent.

ALUMNI ASSOCIATION GIVING

One of the 2010 strategic goals within the Professional Education Department was to increase alumni giving via dues solicitation, the Class Representative Program and HSS Alumni Fund appeals.

Through increased, targeted communications in a variety of formats, including dues solicitation mailings, one-on-one phone calls to HSS alumni physician offices, personalized communications with our class representatives, e-News communications, alumni giving articles and response envelopes in Alumni News magazine, and enhanced design on the HSS Alumni Association website, we secured more than $130,000.
COMMUNITY SERVICE PLAN

As part of the New York State Department of Health’s public health initiative, the Community Service Plan (CSP) furthers public health interventions that encourage positive behavior changes with an overall goal of improving health status. In 2010, HSS advanced its Community Service Plan agenda.

The Public and Patient Education Advisory Committee, chaired by Linda A. Russell, MD, is the central body that drives all HSS public health initiatives.

Focus areas within the Hospital’s CSP are nutrition and physical activity, osteoarthritis and osteoporosis. Goals included in the HSS Prevention agenda are:

1. Increase awareness in children and adults that obesity is a key health concern
2. Help children and adults adopt healthier nutrition patterns
3. Increase public awareness of osteoarthritis (OA) as a priority public health concern
4. Help people with OA increase their knowledge of the disease
5. Implement initiatives that will reduce the public impact of osteoporosis and related fractures.

NUTRITION & PHYSICAL ACTIVITY

SNEAKER© (Super Nutrition Education for All Kids to Eat Right Project)

The goal of the SNEAKER© program is to promote a healthy lifestyle among children and families through education about the importance of healthy eating and being physically active. The curriculum focuses on the importance of calcium and vitamin D, portion control, whole grains, fruits and vegetables and physical activity.

In 2010, SNEAKER© was facilitated at PS 140, a Lower East Side elementary school, in one of their fourth grade classes. For five weeks, an HSS Public Health Coordinator engaged the class in interactive nutrition education workshops. Evaluation results indicated that this program helped students improve in the areas of physical activity and calcium consumption.

The PPED collaborated with the Department of Social Work Programs to provide nutrition education to teens and their families suffering from lupus by
revising the SNEAKER© curriculum to address the specific needs of patients in the Charla de Lupus program (a national peer health education program that provides support to those coping with lupus and their friends and families with an emphasis on reaching Spanish-speaking communities). Implementation of this program will take place in 2011.

OSTEOARTHRITIS PROGRAMMING (INITIATIVES)

Osteoarthritis (OA) is the leading cause of disability in the United States. As the population ages, the impact of musculoskeletal disease will increase dramatically. HSS strives to promote awareness of this disease and provide new approaches to prevention and management.

In 2010, HSS endorsed the multimedia (TV, radio, print) public service campaign launched by the Arthritis Foundation, the Ad Council and the American College of Rheumatology to increase awareness of the prevalence of OA. The campaign objective was to empower people at risk of or suffering from OA to take simple steps to reduce pain, increase mobility and prevent disability caused by the disease.

HSS conducted a community needs assessment, obtaining 271 responses from local residents prior to launching this campaign to identify existing knowledge of OA risk factors, symptoms and self-management and treatment techniques. Results showed there was a gap in basic knowledge of OA, including recognition of risk factors, symptoms and common joints affected by the disease.

For example, 50 percent of respondents falsely believed that only a doctor can treat OA symptoms. Similarly, 45 percent of respondents falsely believed that OA can be diagnosed with a simple blood test, while 39 percent believed that a hip replacement is the only way to treat OA of the hip. Survey respondents also believed that redness and dislocation of a joint are symptoms of OA (33 and 17 percent, respectively). A smaller percentage of respondents believed that antibiotics and psychotherapy are treatments for OA (5 and 6 percent, respectively).

An osteoarthritis seminar was developed in response to these needs assessment findings to address knowledge gaps within the community. In addition, a pre- and post- knowledge and behavior assessment survey was implemented. Post-assessment findings noted increased knowledge of participants in the following areas: how weight affects OA; supplements and their effect on OA; exercise and OA; and treatment for swelling and stiffness.

Based on these results, the Public and Patient Education Department will continue to tailor, improve and develop new programs and educational interventions to fill in these knowledge and behavior gaps over the next few years as part of one of our primary goals outlined in HSS’s CSP.

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PEDIATRIC OUTREACH PROGRAM (POP)

In 2010, nine Pediatric Orthopaedic Clinics at Chinatown’s Charles B. Wang Community Health Center were facilitated, examining 69 children referred to the clinic by pediatricians from the Wang Center and POP school-based screenings.

Eleven children were referred to HSS and are currently receiving follow-up care. One young man with osteonecrosis of the hip underwent total hip replacement surgery; two 12-year-old girls are receiving bracing treatment for spinal curves in order to prevent the development of severe scoliosis; and another 13-year-old girl diagnosed with discoid meniscus underwent surgery and is currently receiving physical therapy.

OSTEOARTHRITIS SEMINAR PROGRAM KNOWLEDGE AND BEHAVIOR ASSESSMENT

<table>
<thead>
<tr>
<th>STATEMENT (TRUE OR FALSE)</th>
<th>PRE-ASSESSMENT</th>
<th>POST-ASSESSMENT</th>
</tr>
</thead>
<tbody>
<tr>
<td>Controlling your weight can help you minimize your risk of developing osteoarthritis altogether (TRUE)</td>
<td>24 53%</td>
<td>34 76%</td>
</tr>
<tr>
<td>The only way to treat a hip with osteoarthritis is to have a hip replacement (FALSE)</td>
<td>26 58%</td>
<td>29 64%</td>
</tr>
<tr>
<td>Exercise does not offer any benefits to osteoarthritis patients (FALSE)</td>
<td>37 8%</td>
<td>30 87%</td>
</tr>
<tr>
<td>Taking vitamins and minerals as supplements is just as good as eating foods that are rich in vitamins and minerals (FALSE)</td>
<td>24 53%</td>
<td>27 60%</td>
</tr>
<tr>
<td>A woman of average height can reduce her risk of developing osteoarthritis by half by losing 10 to 15 pounds (TRUE)</td>
<td>21 47%</td>
<td>33 73%</td>
</tr>
</tbody>
</table>
PPED also administered the Arthritis Foundation’s Exercise Program to educate residents of New York City’s Chinatown community. This 8-week program, designed to use gentle activities to increase joint flexibility and range of motion, was led by our HSS Bilingual (Chinese-speaking) Health Education Coordinator who was trained and certified by the Arthritis Foundation.

**New York State Osteoporosis Prevention and Education Program (NYSOPEP)**

In January 2010, HSS was again funded by the New York State Department of Health as a regional resource center for the greater metropolitan area for NYSOPEP, whose objective is to develop, implement and evaluate innovative osteoporosis education and research initiatives. With this support, multiple programs were offered. For example, HSS developed and hosted its annual one-day “Bone Health Seminar,” bringing together HSS clinical experts to discuss bone health through physical activity and nutrition, osteoporosis prevention and management, falls prevention and medications. Forty-seven people attended and most found the program beneficial in obtaining new and useful information.

**WELLNESS CLASSES**

PPED provides lectures, workshops and exercise-based wellness classes for the community with a goal of improving fitness, increasing bone health, and promoting healthy lifestyles. The department continued popular programs like T’ai Chi, Yogalates, Pilates and Gentle Yoga to Ease Arthritis. A new collaboration with the Rheumatology Division emerged, providing a “Rheumatoid Arthritis and Bone Health” lecture to 20 community-based participants.

**TRACKING & TRENDING PUBLIC HEALTH OUTCOMES**

PPED established a database to track and trend HSS public health initiatives and outcomes. We plan to utilize the needs assessment pilot data collected in 2010 to refine our 2011 evaluation strategies.

**COMMUNITY PARTNERS**

The Public and Patient Education Department collaborates with various community-based organizations, patients and city and state agencies to initiate, promote and deliver our education programs and information. In 2010, HSS leveraged existing partnerships with Weill Cornell Medical College’s Translational Science Institute for Pain Later in Life (TRIPLL), Bronx Health Link and local community groups to disseminate OA educational resources and a validated osteoarthritis risk assessment tool to over 1,000 community members. PPED also partnered with the Weill Cornell Clinical Translational Science Consortium. HSS hosted a collaborative learning series for 213 participants with The New York Road Runners Club to educate marathon runners on what to expect from a musculoskeletal perspective as they train, and how to prevent injury leading up to and after the marathon. Partnering with HSS’s CHArm Center, PPED participated in the Vanderbilt YMCA festival providing bone health and nutrition materials to approximately 100 attendees and...
In 2010, 28 hospital-based programs were offered through the Greenberg Academy for Successful Aging, reaching a total of 779 people.

Greenberg Academy for Successful Aging

In 2010, 28 hospital-based programs were offered reaching a total of 779 people: eight wellness classes, 14 workshops and six free health care lectures. Greenberg Academy engaged an additional 630 people through two community speakers’ bureaus and three health fairs. In addition, a new patient education partnership with the HSS Nursing Education Department resulted in two new patient education programs: “Managing your Medication” and “Medication Safety.”

In partnership with the American Red Cross, Greenberg offered a new emergency preparedness workshop to 39 participants that instructed on how to prepare for an emergency by creating a plan, building a supply kit and keeping loved ones safe and updated during times of disaster.

In response to the HSS needs assessment survey highlighting the need for falls prevention education, Greenberg Academy offered two workshops related to balance that incorporated information about avoiding falls, recovering from a stumble, and strengthening some of the bones most at risk for fractures from a fall. Sixty-seven percent indicated that they would make changes in their home as a result of participating in the program.

Leon Root, MD, Pediatric Outreach Program (POP)

In 2010, 33 percent more children were screened through the POP program than in 2009 through 12 school-based screenings. 712 children living in Harlem, the Bronx, the Lower East Side and Chinatown were evaluated for musculoskeletal and primary health needs, providing access to care that these children might not otherwise receive.

From these screenings, 119 children were referred for follow-up care: 59 to HSS for musculoskeletal issues and 60 to non-musculoskeletal specialists for important primary health issues, including nutrition concerns and dental problems.

In 2010, two new HSS pediatric orthopaedic surgeons joined the POP team: Drs. Shevaun M. Doyle and Cathleen L. Raggio. They join Dr. Leon Root, Program Chair, Drs. Walter H.O. Bohne and Hyun Susan Cha in generously donating their time to this program.
EDUCATION PUBLICATIONS AND COMMUNICATIONS continued to expand strategic print and communication vehicles to support the education mission of HSS in being “the most trusted educator.”

In 2010, a new professional education publication was launched under the leadership of Thomas P. Sculco, MD, Surgeon-in-Chief: Grand Rounds from HSS/Management of Complex Cases. Two issues were produced and distributed to nearly 25,000 orthopaedic surgeons and HSS alumni nationwide and were paired with a website component highlighting a gallery of Complex Case images. Edward C. Jones, MD, MA, has assumed the position of Editor.

A three-year work plan and proposed website framework were developed for the HSS Community Service Plan. In addition, a redesign of Alumni News magazine was completed with continuing expansion of content to promote association initiatives and updates on and about HSS alumni. The Education & Academic Affairs intranet site was also redesigned for greatly increased functionality and enhanced content.

HSS Journal completed its fifth year of publication, reaching 19,000 health care professionals per issue, and it continued its efforts to develop CME-accredited articles resulting in 103 health care professionals completing the CME process linked to accredited articles.

Findings from the HSS Journal Retreat led by Editor-in-Chief Charles N. Cornell, MD, and Executive Editor Laura Robbins, DSW, set the vision for the next five years through a strategic plan that includes expansion to three issues in 2011, globalization of contributions, introduction of a revamped mission statement, a report on acceptance rate of manuscripts, and consideration of the diversification of revenue streams. The long-term goal set at this retreat is to achieve indexing to strengthen the position of this core institutional journal.

Publication Distribution Trends
- Published fifth annual Department of Orthopaedic Surgery Annual Report with an increased national distribution to more than 17,000 HSS medical staff and alumni, orthopaedic chiefs-of-staff and orthopaedic surgeons.
- Published the third annual Department of Rheumatology Annual Report, nationally distributed to 7,300 HSS medical staff, alumni and rheumatologists, plus an extended reach of more than 350 to a targeted physician community at NewYork Presbyterian-Weill Cornell Medical Center.
- Visiting Professor Lecture Series brochure distribution increased 110 percent to promote national awareness of this core CME-accredited series.
- Designed and produced an enhanced needs assessment survey edition of HealthConnection, which had an expanded distribution of 84 percent to also target a Florida snowbird audience.

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CLOSER LOOK

The Department of Orthopaedic Surgery’s 2008-2009 Annual Report highlighted insights and innovations, reporting on bench-to-bedside investigations, collaborations and clinical advances. The report won an APEX Award for publication excellence.
THE PRIMARY FOCUS IN 2010 was the strategic planning and completion of a $1 million renovation of the Richard L. Menschel Education Center, the primary hub for HSS education programs, meetings and special events.

This project transformed the Center, which is now offering state-of-the-art high-definition technology to HSS. Part of this project encompassed the development and launch of an institutional ‘Meeting Room Manager’ system, centralizing meeting room management throughout the HSS campus with the goal of streamlining utilization of our 29 meeting rooms. In response to the acquisition of an enhanced educational technology platform to enable expanded global reach of programming, an Education Digital Task Force was created.

In 2010, the task force identified core and choice activities to incorporate in our institutional educational portfolio. In preparation for implementing full utilization of this new technology platform (Mediasite®) in 2011, four education programs were piloted: a Meeting Room Manager staff training session, the “Resident as Teacher” Alumni Meeting leadership session, a Rehabilitation Department staff meeting, and the Public and Patient Education’s Osteoarthritis program.
EDUCATION & ACADEMIC AFFAIRS
ADVISORY COMMITTEE LEADERSHIP

ALUMNI AFFAIRS COMMITTEE
David B. Levine, MD
Chair
Martha O’Brasky, MPA
Administrative Director

ALUMNI MEETING PLANNING COMMITTEE
Thomas P. Sculco, MD
Chair
Martha O’Brasky, MPA
Administrative Director

APPRAISAL COMMITTEE
Roger F. Widmann, MD
Chair
Pamela Sánchez, MPA
Administrative Director

ARCHIVES COMMITTEE
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Chair
Andrew A. Sama, MD
Associate Director
Timothy Roberts, MLS, AHIP
Administrative Director

BSEL ADVISORY COMMITTEE
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Chair
Jennifer Hammann, CST
Administrative Director

CASPARY COMMITTEE
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Chair
Colleen O’Shea, MPA
Administrative Director

CME COMMITTEE
Charles N. Cornell, MD
Chair
Allison Goldberg, MPA
Administrative Director

CURRICULUM COMMITTEE
Edward A. Athanasian, MD
Chair
Pamela Sánchez, MPA
Administrative Director

DEPARTMENT CHIEFS COMMITTEE
Thomas P. Sculco, MD
Chair
Laura Robbins, DSW
Administrative Director

FACULTY APPRAISAL COMMITTEE
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Chair
Laura Robbins, DSW
Administrative Director

FELLOWSHIP COMMITTEE
James C. Farmer, MD
Chair
Pamela Sánchez, MPA
Administrative Director

FELLOWSHIP COORDINATORS COMMITTEE
Amy Broffman
Chair

FINANCE SUBCOMMITTEE OF ALUMNI AFFAIRS ADVISORY COMMITTEE
David B. Levine, MD
Chair
Martha O’Brasky, MPA
Administrative Director

GME COUNCIL
Mathias P. Bostrom, MD
Chair
Pamela Sánchez, MPA
Administrative Director

JOURNAL EDITORIAL ADVISORY COMMITTEE
Charles N. Cornell, MD
Chair
Laura Robbins, DSW
Administrative Director

MEDICAL LIBRARY ADVISORY COMMITTEE
Matthew M. Roberts, MD
Chair
Timothy Roberts, MLS, AHIP
Administrative Director

MEDICAL STUDENT ADVISORY COMMITTEE
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Chair
Nisha Patel, MPH
Administrative Director

RESIDENT RESEARCH COMMITTEE
Robert G. Marx, MD,
MSC, FRCSC
Chair
Karla Felix, MA, MPhil
Administrative Director

RESIDENT RESEARCH CURRICULUM COMMITTEE
Robert G. Marx, MD,
MSC, FRCSC
Chair
Karla Felix, MA, MPhil
Administrative Director

RESIDENT SELECTION COMMITTEE
Riley J. Williams III, MD
Chair
Nisha Patel, MPH
Administrative Director

RESIDENT/PA COMMITTEE
Anil S. Ranawat, MD, and
Mathias P. Bostrom, MD
Committee Co-Chairs
Pamela Sánchez, MPA
Co-Administrative Director
Pamela Katkin, PA
Co-Administrative Director

PUBLIC & PATIENT EDUCATION ADVISORY COMMITTEE
Linda A. Russell, MD
Chair
Martha O’Brasky, MPA
Administrative Director

RESIDENT/RESEARCH ADVISORY COMMITTEE
Matthew P. Bostrom, MD,
MSC, FRCSC
Chair
Karla Felix, MA, MPhil
Administrative Director

EDUCATION & ACADEMIC AFFAIRS
### Leadership Team

- **Laura Robbins, DSW**
  - Senior Vice President, Education & Academic Affairs
  - Designated Institutional Officer, GME
  - Associate Scientist, Research Division

- **Martha O’Brasky, MPA**
  - Assistant Vice President, Academic Affairs

- **Lisa Klinghoffer, MPA**
  - Director, International Learning & Training Center

- **Pamela Sánchez, MPA**
  - Director, Academic Affairs

- **Allison Goldberg, MPA**
  - Director, Professional Education

- **Marcia Ennis**
  - Director, Education Publications & Communications

### Professional Staff

- **Daniel Bleaken**
  - Alumni Affairs Assistant

- **Vilma Briones**
  - Coordinator, Pediatric Outreach Program (POP)

- **Amy Broffman**
  - GME Fellowship Coordinator

- **Joseph Carley**
  - RLM Education Center Coordinator

- **Alane Clemens**
  - Education Web Associate

- **Shauna Davis**
  - Academic Coordinator, Academic Affairs

- **Christopher Famularo**
  - Staff Secretary, Education Division

- **Erin Farley**
  - RLM Education Center Coordinator

- **Karla Felix, MA, MPhil**
  - Academic Research Coordinator, Academic Training

- **Christina Fisher, MFA**
  - Associate, Education Publications and Communications

- **Indira Garcia**
  - Medical Library Assistant

- **Natanya Gayle, MPH**
  - Managing Editor for HSS Journal

- **Michael Getachew**
  - Education Technology Media Coordinator

- **Jennifer Hammann, CST**
  - BSEL Coordinator

- **Ernesto Henriquez, MA**
  - Education Outcomes Manager

- **Westley Holiday**
  - Education Division Assistant to Martha O’Brasky & Laura Robbins

- **Huijuan (Jane) Huang, MPA**
  - POP Coordinator & Program Registrar

- **Amanda Irene**
  - Coordinator, Academic Visitor Program

- **Christopher James**
  - Office Manager, Education Division

- **David B. Levine, MD**
  - Director, Alumni Affairs

- **Michael Liss, MPA**
  - Coordinator, Resource Development

- **Justina Masiello**
  - Lab Assistant, BSEL

- **Carol Monaco**
  - Administrative Assistant to Laura Robbins

- **Colleen O’Shea, MPA**
  - Manager, Alumni Affairs

- **Jalak Patel, MS**
  - Associate, Public & Patient Education

- **Nisha Patel, MPH**
  - Assistant Director, Academic Training

- **Casey Reisner**
  - Professional Education Events Coordinator

- **Linda Roberts, LCSW**
  - Program Coordinator, Greenberg Academy

- **Timothy Roberts, MLS, AHIP**
  - Assistant Director, Academic Resources

- **Ingrid Salas**
  - GME Residency Coordinator

- **Diana Santanello**
  - Staff Secretary, Academic Training

- **Jennifer Siegel, MPA**
  - Professional Education Program Coordinator, Accreditation & Compliance

- **Dana Sperber**
  - Public Health Education Coordinator, Public & Patient Education

- **Randi Yeung**
  - GME Credentialing Manager, Academic Training

### 2010 Annual Report

- **New Staff 2010**
  - Welcome to Dance Instructor Oleg Trebunski
  - Yoga Instructor Roberta Schine
  - Yoga and Pilates Instructor Katherine Shapiro, BFA, E-RYT

- **Professional Education Class Instructors**
  - Carolyn Perkins
  - Tai Chi Instructor

- **Accreditation & Compliance Program Coordinator**
  - Jennifer Siegel, MPA

- **STAFF PROMOTIONS 2010**
  - Alane Clemens
  - Education Web Associate

- **STAFF PROMOTIONS 2010**
  - Marcia Ennis
  - Director, Education

- **STUDENT INTERNS 2010-2011**
  - Stephanie Chrispin
  - Fordham University

- **VOLUNTEERS 2010**
  - Cara Bianco
  - Kim Barrett Memorial Library
GEMS AWARDS

GEMS is an HSS employee recognition program that awards employees for outstanding internal or external service behaviors on behalf of our patients, their loved ones, or our HSS colleagues.

2010 Recipients
Amy Broffman
Daniel Bleaken (2)
Joe Carley
Alane Clemens
Christopher Famularo (3)
Erin Farley (5)
Indira Garcia (2)
Natanya Gayle, MPA
Michael Getachew (8)
Christopher James (5)
Jennifer Lyden
Timothy Roberts, MLS, AHIP (2)
Ingrid Salas (2)
Dana Sperber
Robyn Wiesel, CHES

BRIGHT IDEA AWARD

The Bright Idea Award is a component of the Education & Academic Affairs Gallup Action Plan, recognizing staff who demonstrated innovative ideas to support the concept that "at work, my opinion seems to count."

2010 Recipients
Alane Clemens
Huijuan (Jane) Huang, MPA
Colleen O’Shea, MPA

ACADEMIC ACCOMPLISHMENTS

Indira Garcia completed a BA degree from Hunter College, February 2010.
Timothy Roberts, MLS, AHIP was accepted into the Hunter College MPH program.

PUBLICATIONS AND COMMUNICATIONS AWARDS

The Aster Awards, one of the largest national competitions of its kind, is hosted by Marketing Healthcare Today magazine and Creative Images, Inc. This elite program recognizes outstanding health care professionals for excellence in their advertising/marketing efforts for the 2009 calendar year.

Gold Aster Award: Honoring Excellence in Healthcare Marketing
Category: Patient Education
From Education to Empowerment,
Spring 2009

Bronze Aster Award: Honoring Excellence in Healthcare Marketing
Category: Calendar
2009/10 Visiting Professor Lecture Series

APEX Awards, from Communications Concepts, are based on excellence in graphic design, editorial content and the ability to achieve overall communications excellence. APEX Awards of Excellence recognize exceptional entries in each of the individual categories.

APEX 2010 Awards for Publication Excellence
Category: Most Improved Newsletters
Alumni News, Fall–October 2009

APEX 2010 Awards for Publication Excellence
Category: Annual Reports
(Print, Over 32 Pages)
Hospital for Special Surgery
Department of Orthopaedic Surgery
2008-2009 Annual Report

FUNDING & LEADERSHIP AWARDS

Laura Robbins, DSW, and her research team, led by Jalak Patel, MS, have been awarded another five-year New York State Department of Health Public Health grant to continue the NYSOPEP (New York State Osteoporosis Prevention through Education Program).

For the last decade, Robbins and colleagues have been addressing nutrition and exercise as preventive measures to reduce the incident of bone loss in women and children in diverse communities. This renewal grant will allow them to continue this important work through partnering with community groups as well as through Cornell’s Clinical & Translational Science Center (CTSC) community engagement core.

Laura Robbins, DSW, received an award from the National Institutes of Health/National Institute on Aging in collaboration with Weill Cornell Medical College to study “Improving the Management of Pain in Later Life.”

Laura Robbins, DSW, was selected by the American Institute of Biological Sciences (AIBS) and the Congressionally Directed Medical Research Programs (CDMRP) Peer Reviewed Medical Research Program (PRMRP) to serve as a Consumer Reviewer on the Post-traumatic Osteoarthritis Concept Award review panel for fiscal year 2010 (FY10).
EDUCATION & ACADEMIC AFFAIRS AT WORK
The Education Division at Hospital for Special Surgery is committed to being the source for outstanding initiatives in education, training, research and information for local, national and international communities to prevent and treat musculoskeletal conditions.
VITAL FUNDING FROM EXTERNAL SOURCES was sustained in 2010 noting a 207 percent increase in exhibit fees, a 119 percent increase in individual donations and a 66 percent increase in foundation grants. Philanthropy is critical to the work of Education & Academic Affairs and its role in advancing the prevention and treatment of musculoskeletal conditions.

### STATEMENT OF EXTERNAL FUNDING SUPPORT

<table>
<thead>
<tr>
<th>FUNDING SOURCE</th>
<th>2010</th>
<th>2009</th>
<th>2008</th>
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<td>Corporate Grants</td>
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<td>Individual Donations</td>
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*Numbers include 2008, 2009 and 2010 Autumn Benefit, and Young Friends of HSS Event in 2010.*
THE EDUCATION DIVISION AT HOSPITAL FOR SPECIAL SURGERY IS COMMITTED TO BEING THE SOURCE FOR OUTSTANDING INITIATIVES IN EDUCATION, TRAINING, RESEARCH AND INFORMATION FOR LOCAL, NATIONAL

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**EXTERNAL FUNDING 2008–2010**

- **Foundation Grants**: 30%
- **Corporate Grants**: 24%
- **Registration Fees**: 17%
- **Special Events**: 13%
- **Exhibit Fees**: 6%
- **Commercial Development Fees**: 24%
- **Corporate Grants**: 30%
- **Government Grants**: 2%
- **Individual Donations**: 2%
- **ILTC Visitors Program Fees**: 2%
- **Other Funding Sources**: 1%
- **Endowments**: <1%
- **Exhibit Fees**: 2%
- **Government Grants**: 2%
- **Other Funding Sources**: 1%
- **Individual Donations**: 2%
- **ILTC Visitors Program Fees**: 2%
- **Other Funding Sources**: 1%
- **Individual Donations**: 2%
- **ILTC Visitors Program Fees**: 2%

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**2010 EXTERNAL FUNDING BY SOURCE**

**TOTAL FUNDING 2008–2010**

- **2008**: $0
- **2009**: $500,000
- **2010**: $1,000,000

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**2010 EXTERNAL FUNDING BY SOURCE**

**TOTAL FUNDING 2008–2010**
EDUCATION & ACADEMIC AFFAIRS REMAINS EXTREMELY GRATEFUL to the more than 160 external contributors for their ongoing support to fund HSS educational activities aimed to achieve our mission in “being the most trusted educator.” We remain deeply appreciative for the support of the many friends, alumni, medical staff, corporate donors, foundations, special events sponsored by HSS Committees and organizations whose generosity is critical to our ability to achieve our strategic goals. Our donors listed below enhance the Hospital’s efforts to being the source for outstanding initiatives in education, research and information for local, national and international communities.

**CORPORATE GRANTS**
- Abbott Laboratories, Inc.
- American Outcomes Management
- Amgen Inc.
- ARROW International
- Arthrex, Inc.
- Athena Diagnostics, Inc.
- Avanir Pharmaceuticals
- B. Braun Medical, Inc.
- Biogen Idec
- Biomed Pharmaceuticals
- Biomet Inc.
- BioScrip
- CareFusion
- Centocor, Inc.
- ConforMIS, Inc.
- DePuy Mitek, Inc.
- DePuy Spine, Inc.
- Exactech
- Ferring Pharmaceuticals
- Genentech, Inc.
- Genzyme Biosurgery
- JBRH Advertising & Design, Inc.
- Mako Surgical Corp.
- Medical Liability Mutual Insurance Company
- Medtronic Sofamor Danek
- Muscular Dystrophy Association, Inc.
- Ortho-McNeil Pharmaceuticals, Inc.
- Pfizer, Inc.
- Purdue Pharma, LP
- Smith & Nephew Orthopaedics
- Synthes (U.S.A.)
- Talecris Biotherapeutics, Inc.
- Teva Neuroscience
- Wright Medical Technology, Inc.
- Zimmer, Inc.

**EXHIBITORS**
- Accredo Health Group, Inc.
- Alere Health, LLC
- Allergan Inc.
- American Academy of Neurology Professional Association
- American Express
- American Outcomes Management
- Arizant Healthcare, Inc.
- Arthrex, Inc.
- Athena Diagnostics, Inc.
- B. Braun Medical, Inc.
- Becton Dickinson and Company Billing Services, Inc.
- Biodex Medical Systems, Inc.
- Biodynamic Technologies, Inc.
- BioScrip
- BrainLAB, Inc.
- Codonics, Inc.
- ConforMIS, Inc.
- Coram Specialty Infusion Services
- Covidien
- DePuy Mitek, Inc.
- DePuy Orthopaedics, Inc.
- DePuy Spine, Inc.
- DJO Global
- Exactech
- Finsbury Orthopaedics, Inc.
- Genzyme Biosurgery
- Handler Medical
- Innovative Medical Products, Inc.
- Mako Surgical Corp.
- McKing Consulting Corporation
- Omnilife Science, Inc.
- OrthAlign, Inc.
- Ortho-McNeil Pharmaceuticals, Inc.
- PRMS, Inc.
- Smith & Nephew Orthopaedics
- Spinal Associates, Ltd.
- Stryker Corporation
- Synthes (U.S.A.)
- Synvasive Technology, Inc.
- Talecris Biotherapeutics, Inc.
- Wright Medical Technology, Inc.

**HSS ALUMNI ASSOCIATION FUND**
- Michael M. Alexiades, MD
- A. Todd Alijani, MD
- Henry A. Backe, Jr., MD
- Louis Benton, MD
- Charles L. Christian, MD
Charles N. Cornell, MD
John F. Crowe, MD
William H. Davidson, III, MD
Gregory S. DiFelice, MD
Victor M. Goldberg, MD
David Inda, MD
Joseph A. Izzi, MD
Aimee S. Klapach, MD
Paul E. Kovatis, MD
David B. Levine, MD
John C. L’Insalata, MD
Michael Lospinuso, MD
Ronald M. Match, MD
Christopher Miskovsky, MD
Douglas E. Padgett, MD
Michael L. Parks, MD
George P. Rowan, MD
Thomas P. Sculco, MD
Gary Shapiro, MD
Lawrence Specht, MD
Donald C. Stahl, MD
Margaret O. Harrison Stubbs, MD
Thomas L. Wickiewicz, MD

LEON ROOT, MD, PEDIATRIC OUTREACH PROGRAM FUND
Mitchell S. Brown
and Ann R. Bienstock-Brown
Ellen T. Buford
Joseph C. DeFiore, Jr., MD
HSS Employee Activities Committee
Thamrongrat Keokarn, MD
Mr. and Mrs. Peter L. Malkin
Ronald Match, MD
Jordan D. Metzl, MD
Morse Family Foundation
Mr. and Mrs. Lester S. Morse
Martha O’Brasky, MPA
Laura Robbins, DSW
The Edward John and Patricia Rosenwald Foundation
Roberta Warren
Young Friends of HSS Benefit

FOUNDATION GRANTS
The Louis and Rachel Rudin Foundation, Inc.
Stavros Niarchos Foundation
Metropolitan New York Library Council
Anonymous contribution in memory of Mr. Angelos N. Canellopoulos and in honor of Dr. Sculco
OMeGA Medical Grants
Orthopaedic Research and Education Foundation (OREF)

BIOSKILLS EDUCATION LABORATORY
Biomet Company
ConforMIS, Inc.
Denali Medical, Inc.

Depuy Mitek, Inc.
FH Orthopaedics, Inc.
FxDEVICES
Thomas M. Hering, PhD
Joseph A. Izzi, MD
Innovative Medical Device Solutions
Knee Creations, LLC
Mako Surgical Corp.
OrthAlign, Inc.
ORTHOCON, Inc.
Douglas E. Padgett, MD
Clare Rinnac, PhD
Si-Bone, Inc.
Smith and Nephew, Inc.
Sonoma Orthopaedic Products, Inc.
Spine Wave, Inc.
Stryker Corporation
Tornier, Inc.
TranS1, Inc.
TriMed, Inc.

GOVERNMENT GRANTS
New York State Osteoporosis Prevention & Education Program (NYSOPEP)

IN-KIND SUPPORT
GE Healthcare
Smith and Nephew Orthopaedics
SonoSite, Inc.
Stryker Corporation

SPECIAL EVENTS
HSS Autumn Benefit
HSS Employees Activities Committee
Young Friends of HSS Benefit
Education & Academic Affairs

Programs Promoting Musculoskeletal Health

Hospital for Special Surgery
Education & Academic Affairs
535 East 70th Street
New York, NY 10021
education@hss.edu
www.hss.edu

Laura Robbins, DSW
Senior Vice President
Education & Academic Affairs
Designated Institutional Officer, GME
Associate Scientist, Research Division

Martha O’Brasky, MPA
Assistant Vice President
Education & Academic Affairs