

# IMPACT

**IUPUI**

**Urban research.  
Global impact.**

**2010 PERFORMANCE REPORT**

**A CORE CAMPUS  
OF INDIANA UNIVERSITY**

**MISSION**  
**(TRUSTEE APPROVED –**  
**NOVEMBER 2005)**

INDIANA UNIVERSITY-PURDUE UNIVERSITY INDIANAPOLIS (IUPUI), A PARTNERSHIP BETWEEN INDIANA AND PURDUE UNIVERSITIES, IS INDIANA'S URBAN RESEARCH AND ACADEMIC HEALTH SCIENCES CAMPUS. IUPUI'S MISSION IS TO ADVANCE THE STATE OF INDIANA AND THE INTELLECTUAL GROWTH OF ITS CITIZENS TO THE HIGHEST LEVELS NATIONALLY AND INTERNATIONALLY THROUGH RESEARCH AND CREATIVE ACTIVITY, TEACHING AND LEARNING, AND CIVIC ENGAGEMENT. BY OFFERING A DISTINCTIVE RANGE OF BACHELOR'S, MASTER'S, PROFESSIONAL, AND PH.D. DEGREES, IUPUI PROMOTES THE EDUCATIONAL, CULTURAL, AND ECONOMIC DEVELOPMENT OF CENTRAL INDIANA AND BEYOND THROUGH INNOVATIVE COLLABORATIONS, EXTERNAL PARTNERSHIPS, AND A STRONG COMMITMENT TO DIVERSITY.



**VISION**  
**(TRUSTEE APPROVED—JUNE 2002)**

The **Vision of IUPUI** is to be one of the best urban universities, recognized locally, nationally, and internationally for its achievements. In pursuing its mission and vision, IUPUI provides for its constituents excellence in:

- Teaching and Learning
- Research, Scholarship, and Creative Activity
- Civic Engagement, Locally, Nationally, and Globally

*with each of these core activities characterized by*

- Collaboration within and across disciplines and with the community,
- A commitment to ensuring diversity, and
- Pursuit of best practices

**INDICATOR COLORS**

This report is organized around IUPUI's mission and major goals, which appear as the main headings within each section of the report. Next to each goal, we have placed a color. The colors indicate IUPUI's level of performance on that goal in the last year, determined according to the following scoring rubric:

Either at an acceptable level or clearly heading in the right direction and not requiring any immediate change in course of action. Continuing support should be provided to sustain momentum in these areas.

Not at an acceptable level—either improving, but not as quickly as desired, or declining slightly. Strategies and approaches should be reviewed and appropriate adjustments implemented to reach an acceptable level or desired rate of improvement.

Our current status or direction of change is unacceptable. Immediate, high-priority actions should be taken to address this area.



## A Message from Chancellor Charles Bantz Urban Research, Global Impact

Urban research has global impact and is central in IUPUI's mission to serve as "Indiana's urban research and academic health sciences campus." For our faculty, this means not only conducting research *in* our city, but conducting research *about* our city, all with the aim of translating research into solutions that improve every aspect of life in our urban community, from public health to sustainability to education, from transportation to economics to culture, and much more.

Urban research, even when conducted locally, asks questions about big issues that span geographic, as well as disciplinary, boundaries. The solutions it finds help other cities around the globe to make evidence-based decisions. For example, as New Orleans continues to recover from Hurricanes Katrina and Rita, it is looking to Amsterdam, a seven-hundred-year-old city that has succeeded below sea level, for guidance on flood control.

Here are just a few examples of IUPUI urban research that address worldwide urban issues:

- Professor Lenore Tedesco and her colleagues at the Center for Earth and Environmental Sciences have conducted extensive research on blue-green algal blooms, which degrade water quality in freshwater lakes and reservoirs, with implications for public health, recreation, and the economy, both locally and in distant ecosystems.
- Professor Helen Sanematsu in the Department of Visual Communication in the Herron School of Art and Design worked with faculty in the School of Medicine to study the effects of the built environment of neighborhoods on risky health behaviors.
- Department of Tourism, Conventions, and Event Management faculty, who have researched cultural tourism in Indianapolis for many years, helped lead the development of the inaugural Athens Tourism Symposium, where they presented their work to an international audience of tourism researchers, students, and professionals.

- Students in the Spring 2010 capstone course for the Master's in Public Administration program in the School of Public and Environmental Affairs worked with the Office of the Indianapolis Mayor on research projects that included an examination of the impact of mass transit on surrounding neighborhoods and businesses; an analysis of "neighborhood brands" used by cities to attract new residents; a study of the role that cities can play in helping small businesses grow; and an investigation of how cities can partner with universities to encourage and nurture entrepreneurs.

As these examples suggest, urban research is also civic engagement. These initiatives bring IUPUI researchers together with communities, agencies, and policy makers to collaborate on finding successful solutions that benefit all. And because urban research seeks practical, cost-effective solutions to real-world problems, it is, by its very nature, translational research—a hallmark of IUPUI.

This annual *IUPUI Performance Report* highlights recent examples of urban research by IUPUI faculty and students that has had or promises

to have an impact on other cities in the U.S. and around the world. These examples reflect the amazing range of disciplines and interdisciplinary programs and centers that are generating new knowledge and expertise at IUPUI—not only health and life sciences, but also environmental science, informatics, visual communication, tourism management, philanthropy, and criminal justice, to name only a few.

Like past reports, this annual Performance Report also tells the ongoing story of IUPUI's growth and development as an institution. Physically, the campus scarcely resembles the one I joined eight years ago. With these changes in the landscape have come equally dramatic changes to the composition of our student body and the scale of our civic engagement and research enterprises.

I invite you to read this report and then visit the report web site at [iport.iupui.edu](http://iport.iupui.edu) for more detailed information and examples of urban research. I hope that you will be as encouraged as I am by how many ways IUPUI makes impact—every day.

Urban research.



Global impact.

## Excellence in Teaching and Learning

Today's university students seek opportunities to do hands-on research that combines learning with solving real-world problems. IUPUI's commitment to urban research with global impact offers such opportunities to undergraduates, as well as graduate students—and these opportunities are growing as part of our new RISE (Research, International experience, Service learning, and other Experiential learning) to the Challenge Initiative. RISE aims to provide all undergraduates with high-impact educational experiences that demonstrably improve learning and increase academic success. RISE experiences also help students develop key skills in communication, problem-solving and analysis, and integration and application of knowledge. These are the liberal education outcomes that employers demand and students need as they prepare to navigate our complex, rapidly changing world.



As IUPUI expands programs that involve students in innovative urban research, we continue to add 21st century degree programs in emerging fields like biocomputing, criminal justice and public safety, urban education, philanthropy, and forensic science. In response to local, state, and national shortages, we are increasing enrollments in health science degree programs, including medicine, nursing, and dentistry. In 2009-2010, unique degree offerings, along with a range of recruitment and retention initiatives, helped the campus once again to break records in numbers of applicants and of admitted and enrolled students, academic qualifications of new students, percentage of full-time students, financial aid, and student diversity.

#### ↑ ATTRACT AND SUPPORT A WELL-PREPARED AND DIVERSE STUDENT BODY

- For the ninth consecutive year, *U.S. News & World Report* recognized IUPUI's freshman learning communities programs, sponsored by **University College**, and service learning programs, sponsored by the **Center for Service and Learning**, as "programs to look for." Our first-year experience program was recognized for the seventh time.
- **Enrollment Services** reports that total enrollments grew to 30,383 students in the Fall 2009 semester. First- to second-year retention of full-time students improved to a record 73.4 percent. Almost 70 percent of all new freshmen graduated in the top third of their high school class and a fifth in the top ten percent. Ninety-two percent of new freshmen were enrolled full-time
- The 2009-2010 academic year marked the launch of IUPUI's new **Honors College**. Dean Jane Luzar spearheaded student recruitment, development of a space for the college in University Library, and academic planning. The college expects to welcome its first cohort of students in Fall 2010.



# 5

## UP-AND-COMING COLLEGES

*U.S. News & World Report* ranked IUPUI fifth in its annual list of “Up-and-Coming Colleges,” up from seventh in 2009 and fourteenth in 2008.

# 22,268

## FINANCIAL AID

More than 22,000 IUPUI students received financial aid in 2009-2010, an increase of 6.4 percent from the previous year.

# \$313,869,182

## FINANCIAL AID

In the 2009 calendar year, IUPUI awarded \$313,869,182 in financial aid, a 9 percent increase over the previous year. Financial aid includes gifts, loans, and work-study assistance.

# 20

## TOP TEN PERCENT

Twenty percent of students admitted to the Fall 2009 freshman class were in the top 10 percent of their high school graduating classes. Almost 70 percent were in the top third.

# 74.1

## FULL-TIME STUDENTS

The percentage of IUPUI undergraduates attending full-time increased sharply over the past decade, from 57.4 percent in Fall 2000 to 74.1 percent in Fall 2009.



- With more student veterans and military personnel than any other Indiana college or university, IUPUI expanded services that respond to the academic needs of these students. The recently opened Office for Veterans and Military Personnel within **Enrollment Services** moved into new space in the Campus Center and sponsored several events, including the first annual Veterans Week. A \$50,000 grant to the Department of Military Science in the **School of Physical Education and Tourism Management** will support emergency financial relief, faculty and staff training, a veterans’ orientation, and a first-year learning community to promote these students’ academic success, retention, and graduation.
- Students Taking Academic Responsibility, an advising program in **University College**, received an Outstanding Institutional Advising Program Award from the National Academic Advising Association. The semester-long program provides free mentoring for probationary students to help them address challenges, build on their strengths, and connect to campus resources.

*Forbes* magazine and the Center for College Affordability and Productivity ranked IUPUI as the 8th best college in the Midwest, based on quality, value, and focus on undergraduate education.

### SUPPORT AND ENHANCE EFFECTIVE TEACHING

- A recent magazine article recognized IUPUI's two-year-old motorsports engineering program in the **School of Engineering and Technology** as one of the top ten nationally. As the first four-year degree in the field to be offered by a U.S. university, the major offers internship opportunities available nowhere else and has attracted students from some 16 states.
- The American Council on Education recognized IUPUI's innovative international partnerships with its Andrew Heiskell Award for Innovation in International Education. Our international strategy focuses on long-term, comprehensive collaboration with partner universities to advance the internationalization of each and to provide linkages between the institutions' home communities. Our partnerships with Moi University in Kenya, Sun Yat-Sen University in China, and the University of Tehran are just a few of many examples. International education programs are based in the IUPUI **Office of International Affairs**.
- Innovative new degree programs at IUPUI include a B.S. in Biocomputing, developed by the **School of Science** to prepare students for medical careers in this rapidly growing field. Integrating computer science, biology, medicine, and informatics, the interdisciplinary program is the only one of its kind in the state and one of only a few pre-medical computer science programs in the country. The program is available in Fall 2010, as is the new B.A. in Philanthropic Studies, housed in the Center on Philanthropy in the **School of Liberal Arts**. This program—unique in the U.S.—will offer students who want to make a career of helping others the foundation they need to succeed in philanthropy and the growing nonprofit sector.

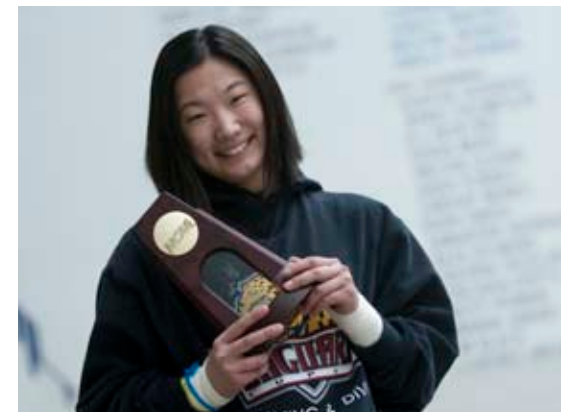


## ENHANCE UNDERGRADUATE STUDENT LEARNING AND SUCCESS

- The Center for Research and Learning in the **Office of the Vice Chancellor for Research** offers IUPUI students the opportunity to carry out cutting-edge research with faculty mentors through several internally and externally funded programs, including the Undergraduate Research Opportunities Program, the Multi-disciplinary Undergraduate Research Initiative, and the Louis Stokes Alliance for Minority Participation. A central focus of the campus's RISE initiative, undergraduate research participation increases students' likelihood of graduating and pursuing post-graduate degrees. During 2009-2010, the Center supported approximately 500 students involved in mentored undergraduate research projects.
- Six students in the Department of Music Technology in the **School of Engineering and Technology**, along with faculty member John Vander Gheynst, received the Outstanding Jazz Ensemble Award at the Elmhurst Jazz Festival.
- IUPUI is proud of student Chen Ni, the campus's first NCAA champion, who finished first in women's platform diving. Ni, who comes from Qingdao, China, is a student in the **School of Education**.

### BEST PRACTICES

Enrollment Services adopted a new online application, developed collaboratively with other IU campuses and University Information Technology Services. The faster, more user-friendly application replaces one that was hosted by an external vendor at a cost of \$7 per student.



## PROVIDE EFFECTIVE GRADUATE AND PROFESSIONAL PROGRAMS

- The Department of Public Health in the **School of Medicine** announced a \$20 million gift from the Richard M. Fairbanks Foundation—the foundation's largest grant ever—to support the development of a **School of Public Health** at IUPUI. The school, which will focus on urban health, will bring together faculty with expertise in health policy, epidemiology, biostatistics, environmental health, and social and behavioral health science. Studies show that public health initiatives can have significant impact on preventing disease and improving quality of life. The school is scheduled to open in Fall 2011.

- The first cohort of 20 Woodrow Wilson Indiana Teaching Fellows completed urban teacher residency programs in STEM (Science, Technology, Engineering, and Mathematics) fields, earned teaching licenses, and will complete Master's degrees during their first year of teaching. Students make a commitment to teaching for at least three years in a high-needs secondary school. A collaboration among the **Schools of Education, Engineering and Technology**, and **Science**, the program aims to remedy a shortage of qualified STEM teachers in secondary schools. Partner school districts include the Indianapolis Public Schools and Washington Township. A new \$2.7 million federal Teacher Quality Partnership grant will enable IUPUI to expand the program.
- The **Schools of Dentistry, Nursing**, and **Medicine** continued to expand enrollments to address state and national workforce shortages in the life sciences. New Ph.D. programs in Health and Rehabilitation Science in the **School of Health and Rehabilitation Sciences** and in biostatistics—a joint program of the **School of Medicine** and the **School of Science**—seek to address similar deficits.





STUDENT DEMOGRAPHICS

Overall minority student enrollment at IUPUI has increased slightly over the last two years. African-American students remain the largest minority group at IUPUI, although the number of Hispanic American students has more than doubled over the past decade. The number of international students enrolled at IUPUI continues to grow and now accounts for approximately four percent of the student body. Females continue to outnumber males, and the percentage of students age 25 or older has been gradually declining.

FALL SEMESTERS	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009
Ethnicity										
African-American	2,597	2,681	2,661	2,718	2,814	2,812	2,631	2,650	2,630	2,743
Asian American/Pacific Islander	722	747	750	816	882	907	980	1,059	1,155	1,132
Hispanic American	432	453	509	541	612	649	669	724	731	795
Native American	72	72	73	95	96	89	99	89	83	78
Total Minority	3,823	3,953	3,993	4,170	4,404	4,457	4,379	4,522	4,599	4,748
International <sup>1</sup>	646	812	840	913	925	916	955	1,137	1,357	1,347
White/Unknown <sup>2</sup>	22,921	24,132	24,132	24,777	24,624	24,560	24,430	24,195	24,344	24,288
Total Student Headcount	27,474	28,339	29,025	29,860	29,953	29,933	29,764	29,854	30,300	30,383
African-American as Percent of All Students										
	9	9	9	9	9	9	9	9	9	9
Minority as Percent of All Students										
	14	14	14	14	15	15	15	15	15	16
Minority as Percent of SAT Takers in IUPUI's Service Area <sup>3</sup>										
	—	—	—	—	—	—	16	14	14	16
Gender										
Male	11,710	12,010	12,028	12,545	12,682	12,570	12,445	12,560	13,052	12898
Female	15,764	16,329	16,997	17,315	17,271	17,363	17,319	17,294	17,248	17485
% Female	57	58	59	58	58	58	58	58	57	58
Age										
Invalid Birthdates	5	1	0	1	1	2	0	2	0	0
Under 18	219	230	157	125	160	166	157	187	231	318
18-22	10,709	10,884	11,203	11,297	11,123	11,093	11,174	11,544	11,910	12,386
23-24	3,590	3,785	3,869	4,190	4,392	4,424	4,283	4,136	4,283	4,312
25 and Over	12,951	13,439	13,796	14,247	14,277	14,248	14,150	13,985	13,876	13,367
Percent Over Age 25	47	47	48	48	48	48	48	47	46	44

1 – BASED ON COUNTRY/VISA AS REPORTED BY THE OFFICE OF INTERNATIONAL AFFAIRS. 2 – INCLUDES TWO OR MORE RACES

3 – SOURCE: COLLEGE BOARD



STUDENT DEMOGRAPHICS

FALL SEMESTERS	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009
Ethnicity – New IPEDS Definition effective Fall 2010										
African-American	—	—	—	—	—	—	—	—	—	—
Asian American	—	—	—	—	—	—	—	—	—	—
Hispanic/Latino	—	—	—	—	—	—	—	—	—	—
American Indian/Alaska Native	—	—	—	—	—	—	—	—	—	—
Native Hawaiian/Pacific Islander	—	—	—	—	—	—	—	—	—	—
Two or More Races	—	—	—	—	—	—	—	—	—	—
Total Minority	—	—	—	—	—	—	—	—	—	—
International <sup>1</sup>	—	—	—	—	—	—	—	—	—	—
White/Unknown <sup>2</sup>	—	—	—	—	—	—	—	—	—	—
Total Student Headcount	—	—	—	—	—	—	—	—	—	—
African-American as Percent of All Students	—	—	—	—	—	—	—	—	—	—
Minority as Percent of All Students	—	—	—	—	—	—	—	—	—	—
Minority as Percent of SAT Takers in IUPUI's Service Area <sup>3</sup>	—	—	—	—	—	—	—	—	—	16

1 – BASED ON COUNTRY/VISA AS REPORTED BY THE OFFICE OF INTERNATIONAL AFFAIRS. 2 – INCLUDES TWO OR MORE RACES

3 – SOURCE: COLLEGE BOARD



STUDENT ENROLLMENT

Student enrollment grew again in 2009-2010. IUPUI has enrolled an increasing number of full-time undergraduates in recent years and a decreasing number of part-time students. Master’s enrollment has increased substantially over the last decade. Enrollment in both Dotcoral-Practice and Doctoral-Research programs has also increased.

FALL SEMESTERS	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009
Fall Semester Enrollment										
Total Enrollment	27,474	28,339	29,025	29,860	29,953	29,933	29,764	29,854	30,300	30,383
Undergraduate	20,160	20,695	21,060	21,389	21,172	21,438	21,193	21,202	21,423	22,119
Full-Time	11,673	11,957	12,835	13,371	13,637	13,736	13,942	14,408	14,893	15,696
Part-Time	8,487	8,738	8,225	8,018	7,535	7,702	7,251	6,794	6,530	6,423
Graduate	7,314	7,644	7,965	8,471	8,781	8,495	8,571	8,652	8,877	8,264
Master's <sup>1</sup>	2,543	2,815	3,166	3,865	4,020	4,365	4,693	4,803	5,035	4,315
Doctoral-Research	284	256	256	290	317	373	451	455	502	564
Doctoral-Practice	2,374	2,356	2,390	2,434	2,517	2,550	2,580	2,600	2,637	2,718
Non-Degree	2,113	2,217	2,153	1,882	1,927	1,207	847	794	703	667
Credit Hour Enrollments (Spring and Fall)	539,062	552,859	572,408	598,423	609,400	611,025	616,316	623,846	639,295	660,559

1 – INCLUDES POST-BACCALAUREATE CERTIFICATE SEEKERS

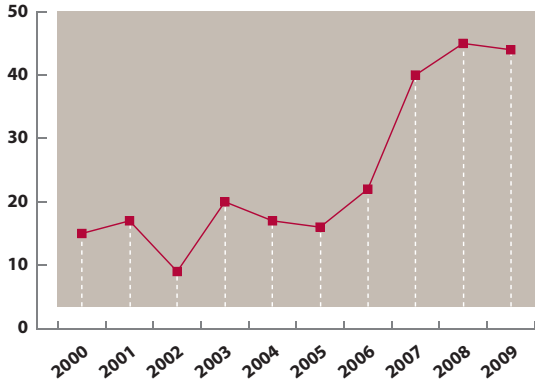
ACADEMIC BACKGROUND OF NEW UNDERGRADUATES

As a result of changing admissions practices, IUPUI is enrolling better prepared students as measured by average SAT scores and high school class rank. The numbers of valedictorians, salutatorians, and students ranked in the top 10 percent of their high school class who enroll at IUPUI have increased over time.

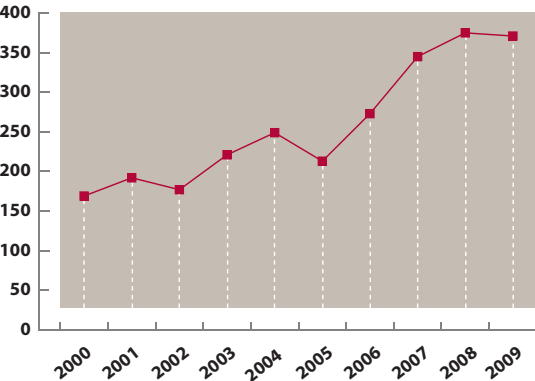
FALL SEMESTERS	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009
NEW Freshmen										
Average SAT Score										
University College Conditional Admits	895	900	917	903	905	905	877	885	892	881
University College Regular Admits	1,017	1,001	1,006	1,002	1,002	992	994	988	998	967
Direct School/Dual Admits	1,097	1,099	1,087	1,093	1,094	1,113	1,102	1,089	1,092	1,089
Overall Average	957	970	986	988	993	997	994	990	1,005	1,001
H.S. Class rank										
Pct. from Top Quartile	23	27	28	32	31	33	35	40	46	45
Pct. from Bottom Quartile	13	9	7	6	7	5	5	3	1	1
Avg. Percentile Rank	54	58	59	61	60	61	63	67	70	71
Avg. number of college prep units										
	16.2	16.5	16.8	17.0	17.3	17.6	18.6	18.3	19.1	23.7
Number of new valedictorians and salutatorians <sup>1</sup>										
	15	17	9	20	17	16	22	40	45	44
First-Time Freshmen ranked in the top 10 pct. of their high school graduating classes										
	169	192	177	221	249	213	273	345	375	371
Top 10 pct. as Percent of all First-Time Freshmen										
	5	6	6	8	9	8	10	12	12	12
Pct. Requiring Remediation Mathematics										
	64	59	40	31	28	31	25	24	21	47



NUMBER OF VALEDICTORIANS/ SALUTATORIANS



NUMBER OF BEGINNERS IN TOP 10% OF H.S. CLASS



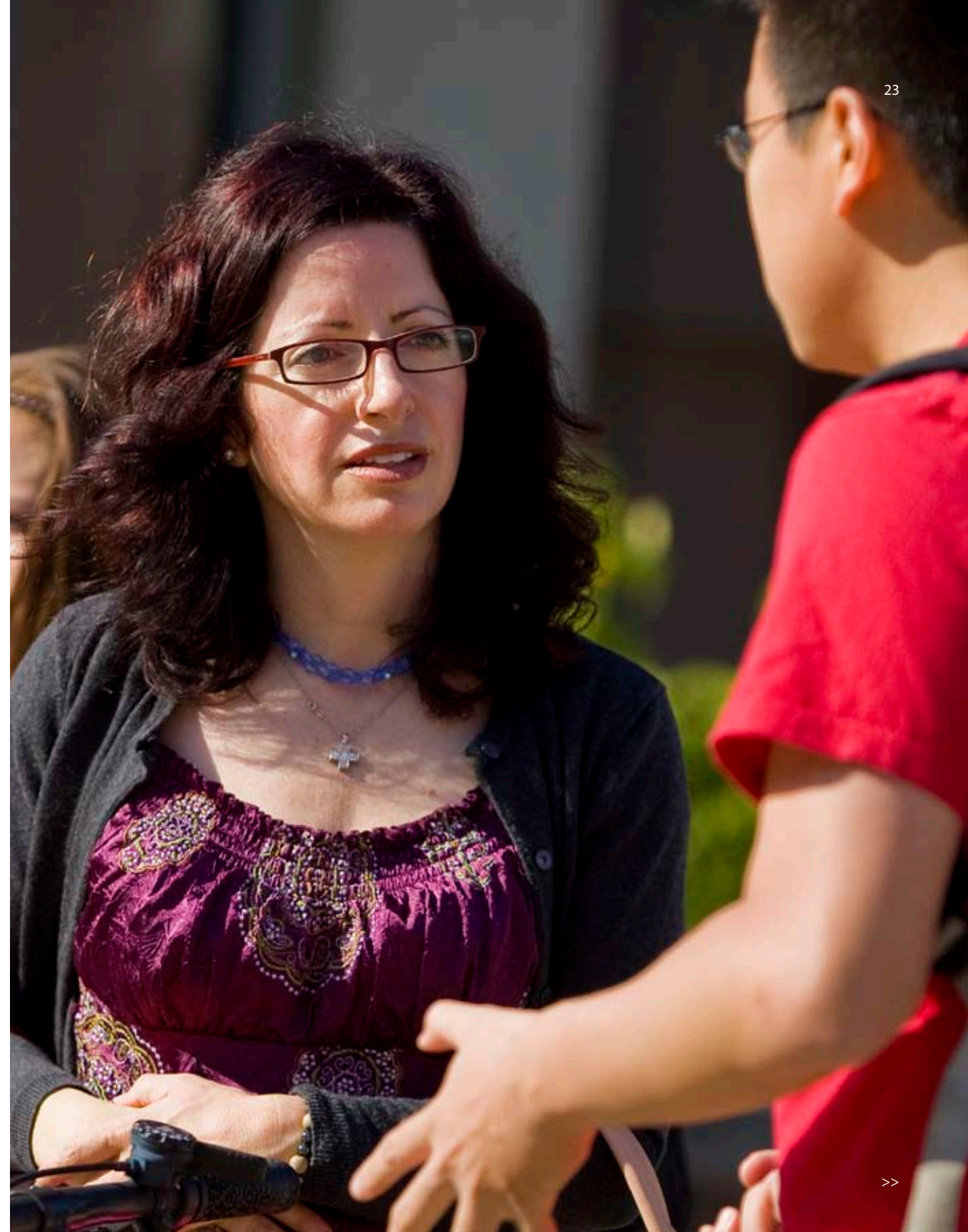
Urban research.




Global impact.

## Excellence in Research, Scholarship, and Creative Activity

Urban research is at the heart of IUPUI's research enterprise. That enterprise gained momentum in 2009-2010, with over \$400 million in external funding awarded to IUPUI researchers, continued expansion and improvement of our research infrastructure, and the creation of seven new potential Signature Centers poised to develop new knowledge that will benefit the Indianapolis community, the region, the state, the nation, and the world. Five of these path-breaking new centers will focus on health and life sciences research. All of them will build on IUPUI's unique strengths, including its Indianapolis location, and its partnerships with the local community. For example, a new Center for Urban Health in the **School of Science** will pursue research that enhances health and sustainability for urban populations, focusing especially on environmental legacies and emerging threats.





The new Signature Centers join over 100 existing research centers and institutes on campus. The impact of these research efforts extends beyond the discovery of new knowledge and the translation of that knowledge into practice. The external grant dollars they generate create new jobs and businesses, boosting the local and regional economies. They give our students opportunities to participate in the process of discovery, training the next generation of researchers, innovators, and practitioners. They help to find answers to today's most important questions—and, increasingly, these answers are heard, not only in Indianapolis, but around the world.

#### CONDUCT WORLD-CLASS RESEARCH, SCHOLARSHIP, AND CREATIVE ACTIVITY RELEVANT TO INDIANAPOLIS, THE STATE, AND BEYOND

- Emeritus Professor Hugh Hendrie of the Department of Psychiatry in the **School of Medicine** was named to the National Advisory Council on Aging by U.S. Secretary of Health and Human Services Kathleen Sibelius. Hendrie's cross-national study of Alzheimer's and other dementias showed that African Americans are twice as likely as Africans to develop dementia. His current research aims to identify the cause of this disparity.
- The Binational/Cross-Cultural Health Enhancement Center (BiCCHec) was designated one of IUPUI's first official Signature Centers. Partnering with community agencies, BiCCHec fosters multidisciplinary research collaborations that address biological, cultural, historical, legal, behavioral, and demographic issues that influence the health of urban minority communities. Faculty from the **Schools of Dentistry, Medicine, Nursing,** and **Liberal Arts** have joined BiCCHec to conduct research and produce culturally relevant, practical programs that improve the quality of life in our increasingly multicultural society.

- IUPUI's **School of Liberal Arts** houses the development of an innovative new print and digital edition of the complete works of William Shakespeare, the most influential writer in the English language. Associate Professor of English Drama Terri Bourus is one of three general editors collaborating to produce this first multi-platform, multi-format edition of Shakespeare's works.
- The Richard G. Lugar Center for Renewable Energy, a collaboration among the **Schools of Engineering and Technology, Medicine, Public and Environmental Affairs**, and **Science**, addresses the need for alternatives to fossil fuels to preserve air quality in cities and reduce global warming. Current research projects, which frequently include graduate and undergraduate students, focus on renewable energy through fuel cell technology, renewable hydrogen, bio-fuel production, advanced battery technology, hybrid electric vehicles, and policy and societal issues.

**PROVIDE SUPPORT TO INCREASE SCHOLARLY ACTIVITY AND EXTERNAL FUNDING**

- The **Office of the Vice Chancellor for Research** (OVCR), in collaboration with IU Bloomington, supported the development of the IU Energy Institute, which will coordinate energy-related research, education, outreach, sustainability efforts, and technology transfer.



**\$400.3**

EXTERNAL GRANTS

IUPUI researchers were awarded \$400.3 million in external grant dollars in 2009-2010.

**17**

NIH FUNDING

The School of Nursing ranked 17 out of 76 schools nationally in amount of NIH funding received in 2009.

**500**

UNDERGRADUATE RESEARCH PROJECTS

Approximately 500 undergraduates conducted faculty-mentored research projects sponsored by the Center for Research and Learning in the Office of the Vice Chancellor for Research.

**19**

TOP DOCTORS

The most recent edition of *America's Top Doctors for Cancer* recognized 19 physicians at the Melvin and Bren Simon Cancer Center as the best in their field.

- To support IUPUI researchers seeking external funding, the **OVCR** sponsored 30 proposal-writing workshops attended by nearly 1,000 faculty and staff members, and developed new internal grant programs to provide seed funding for faculty in the arts and humanities and faculty from historically under-represented groups. These programs support initiatives with high potential to attract external funding and sponsorship.
- In collaboration with the IU Research and Technology Corporation, the Solution Center in the **OVCR** hosted a "Discovery to Enterprise" workshop to help faculty understand the process of moving ideas and inventions into the marketplace. Almost 100 IUPUI faculty and other researchers participated.

## ENHANCE THE INFRASTRUCTURE FOR RESEARCH AND CREATIVE ACTIVITY

- The dedication of Joseph E. Walther Hall on West Walnut Street marked the completion of the newest and largest of the **School of Medicine's** research buildings. The 254,000 square foot building provides space for 118 state-of-the-art laboratories and modern facilities for collecting and storing tissue for future research. As part of a three-building, 500,000 square foot research complex that includes Research II and the Cancer Research Institute, it will support the school's efforts to recruit new faculty researchers focused on cancer, immunological and genetic disorders, and neurological diseases. The school also began construction of the Eugene and Marilyn Glick Eye Institute at the corner of Michigan Street and West Drive. Supported by a \$30 million donation from the Glicks, the institute will house an outpatient clinic, classroom buildings, and research space and will meet the U.S. Green Building Council's LEED Gold specifications by using energy-efficient systems and collecting storm water to irrigate the surrounding green space.
- A \$60 million donation from the Lilly Endowment provides a powerful boost to the Indiana Physician Scientist Initiative in the **School of Medicine**. The initiative promotes the translation of scientific discoveries into new products and treatments that benefit patients and create new businesses and jobs. Another major gift came from the Vera Bradley Foundation, which committed \$10 million to support breast cancer research at the Simon Cancer Center.
- The Department of Public Health, currently in the **School of Medicine**, is growing rapidly as it prepares to become the **School of Public Health** at IUPUI. New faculty hires, aimed at expanding research programs and capacity, emphasize expertise in chronic disease, epidemiology, and health policy.

### BEST PRACTICES

Wishard and Regenstrief Hospitals received the 2010 President's Award for Health Reform Readiness and Leadership from the National Association of Public Hospitals and Health Systems.



## UNDERGRADUATE URBAN RESEARCH

The RISE (Research, International experience, Service learning, other Experiential learning) to the IUPUI Challenge initiative aims to expand opportunities for undergraduates to participate in mentored research projects, as well as in other educational experiences with demonstrated benefits for learning and academic achievement. Undergraduate research is a proven high-impact practice: students who conduct research as undergraduates gain real-world skills, knowledge, and experience highly valued by employers and are more likely to succeed academically and to subsequently continue their education in graduate or professional programs.

Like faculty researchers, IUPUI undergraduate researchers are drawn to urban research with the potential to improve the quality of life in Indianapolis and cities around the world, as the following examples show:

- Students working with psychology professor Leslie Ashburn-Nardo in the **School of Science** are collaborating with researchers from Butler and Purdue Universities to investigate why people often hesitate to use even subtle confrontation to curb or stop prejudice. The IUPUI research team will focus on the obstacles that hinder the decision to act, in order to develop programs that teach people to confront prejudice effectively. The collaborative project is funded by the National Science Foundation.
- Students Jessica Dunn and Michael Runge in the **Herron School of Art and Design** spent six weeks living in a floating fiberglass “island” on the grounds of the Indianapolis Museum of Art. Designed by sculptor Andrea Zittel, “Indianapolis Island” was created as an experiment to re-examine people’s daily needs and to inspire visitors to analyze and reconsider their own living spaces and consumption habits. The experiential project, part of a longstanding collaboration between the Herron School and the Indianapolis Museum of Art, was covered by the *New York Times* and *The Wall Street Journal*. Jennifer Mikulay, Public Scholar of Visual Culture, and sculpture professors Eric Nordgulen, Greg Hull, and Holly Streekstra served as mentors.

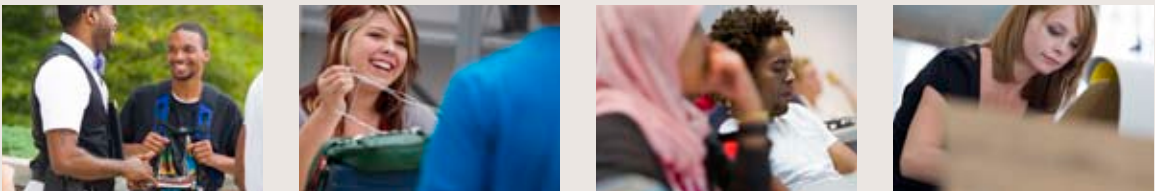


- Thirteen students taking faculty member Susan Hyatt’s community-based research course in the Department of Anthropology, **School of Liberal Arts**, developed *Eastside Story: Portrait of a Neighborhood on the Suburban Frontier*. The book, published by the Neighborhood Alliance Press, draws on archival research and on over 40 extended interviews with residents of the Community Heights neighborhood in Indianapolis. The project re-energized several struggling neighborhood projects and had a powerful impact on the student researchers. Student Molly Dagon commented that “this project is not just about a neighborhood: it is about the people, businesses, schools, jobs, legends and tales that make a neighborhood a home.”
- Working with faculty mentor Steven Mannheimer, **School of Informatics** student Jordan Powell studied the role of race in developing advertising targeted to specific demographic groups. The research focused on subjects’ responses to various aspects of advertising, including imagery, color, text, and typeface.
- **School of Education** students Alexandria Edmonson and Krystal Webster examined perceptions of the community school model among community school leaders and staff. George Washington Community High School, a full-service community school surrounded by the Haughville, Hawthorne, Stringtown, and West Indy neighborhoods, served as a case study for the project, which was mentored by Professor Monica Medina.

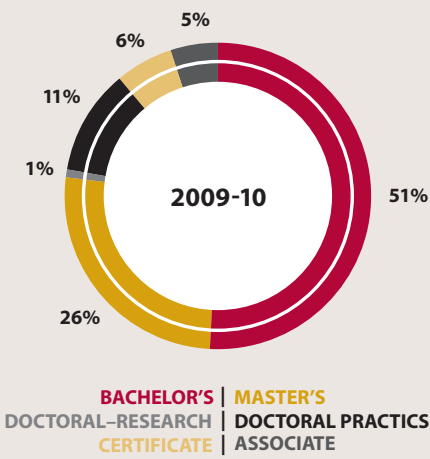
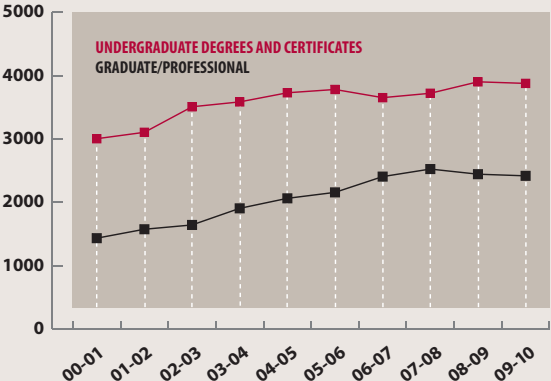


**DEGREES CONFERRED**

The number of degrees conferred at IUPUI has climbed steadily over the last decade. Baccalaureate degree conferrals reached a ten-year high in 2009-10. The number of degrees earned by African-American students and by all minority students continued to rebound following a decline in 2006-07.



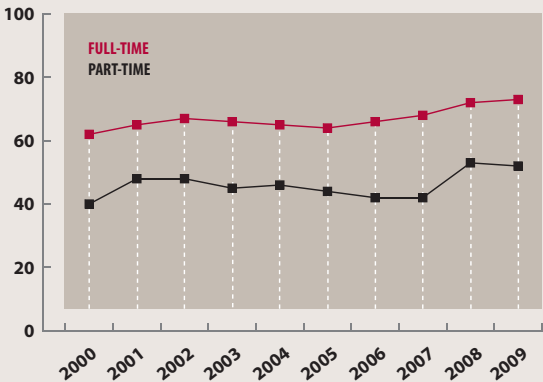
FISCAL YEAR	00-01	01-02	02-03	03-04	04-05	05-06	06-07	07-08	08-09	09-10
Certificate	288	358	461	439	469	442	459	487	467	409
Associate	638	537	620	649	608	565	444	405	364	289
Bachelor's	2,080	2,212	2,429	2,499	2,654	2,776	2,751	2,831	3,073	3,181
Master's	777	939	1,023	1,267	1,410	1,490	1,689	1,807	1,759	1,669
Doctoral-Research	38	29	24	35	26	31	34	44	56	48
Doctoral-Practice	621	609	598	605	629	638	685	676	631	703
Total	4,442	4,684	5,155	5,494	5,796	5,942	6,062	6,250	6,350	6,299
Total African-American	337	364	388	423	438	488	427	475	487	521
Total Minority	528	615	639	705	747	805	788	848	876	888





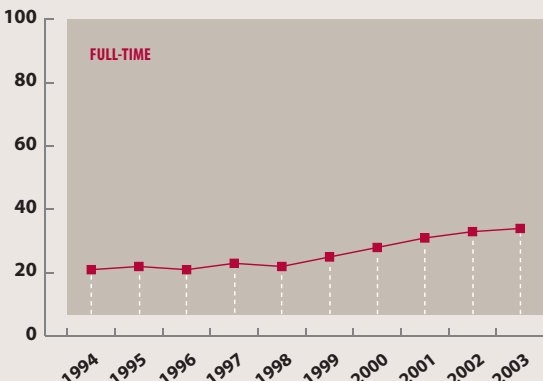
### ONE-YEAR RETENTION RATE

Retention of IUPUI's commuter student population has always been challenging. One-year retention rates have increased substantially for first-time, full-time freshmen over the past 10 years. The upward trend is due in part to better prepared students and to a wide array of retention initiatives.



### SIX-YEAR GRADUATION RATE

The graduation rate for first-time, full-time freshmen at IUPUI has increased substantially. The increase is due in part to better prepared students and to a wide array of retention initiatives.



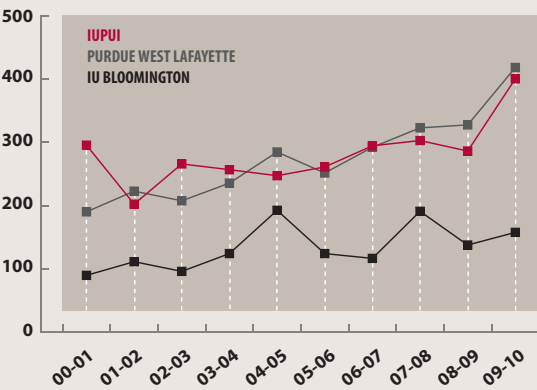


GRANT AND CONTRACT AWARDS<sup>1</sup>

IUPUI continues to garner extensive external grant and contract support for research, service, and instruction.

FISCAL YEAR	00-01	01-02	02-03	03-04	04-05	05-06	06-07	07-08	08-09	09-10
IUPUI	295.5	202.4	265.9	256.8	247.3	261.1	294.5	302.8	286.2	400.3
IU Bloomington	90.0	111.6	96.3	124.4	192.7	124.4	116.8	191.1	137.9	157.9
Purdue West Lafayette	90.3	222.9	207.7	235.6	284.7	251.6	292.2	322.8	327.5	418.1

1 – IN MILLIONS OF DOLLARS.



STUDENT PARTICIPATION IN RISE<sup>1</sup> EXPERIENCES<sup>2</sup>

Forty-one percent of senior respondents in 2010 indicated that they had participated in a practicum, internship, field experience, or clinical assignment, a decrease from 2009. About 56 percent of first-year respondents and 64 percent of seniors in 2010 indicated they had participated in community service or volunteer work. Less than one out of ten seniors respondents in 2010 indicated that they had studied abroad.

	2004a	2006a	2008a	2010b
<b>Practicum, internship, field experience, co-op experience, or clinical assignment</b>				
First-Year	2%	9%	6%	6%
Seniors	37%	42%	46%	41%
<b>Community service or volunteer work</b>				
First-Year	39%	47%	44%	56%
Seniors	43%	52%	59%	64%
<b>Work on a research project with a faculty member outside of course or program requirements</b>				
First-Year	3%	7%	7%	6%
Seniors	12%	16%	18%	14%
<b>Study abroad</b>				
First-Year	3%	3%	3%	1%
Seniors	6%	8%	10%	7%

1 – RESEARCH, INTERNATIONAL EXPERIENCE, SERVICE LEARNING AND OTHER EXPERIENTIAL LEARNING

2 – PERCENTS OF STUDENTS INDICATING THEY HAD DONE THE ACTIVITY. PERCENTS ARE WEIGHTED BY GENDER AND ENROLLMENT STATUS

a – SOURCE: NATIONAL SURVEY OF STUDENT ENGAGEMENT



THE ACADEMIC AND NON-ACADEMIC WORKFORCES

IUPUI's academic workforce has grown in recent years. The number of non-academic staff employees has also increased each year since 2005.

FALL TERMS	2004	2005	2006	2007	2008	2009	2010
<b>Tenure-Track Faculty (Exc. Librarians)</b>							
Professor	521	508	515	524	531	536	536
Associate Professor	435	438	438	430	431	439	448
Assistant Professor	337	361	353	339	345	346	384
Total	1,293	1,307	1,306	1,293	1,307	1,321	1,368
<b>Other Academic Appointments</b>	<b>1,284</b>	<b>1,311</b>	<b>1,350</b>	<b>1,447</b>	<b>1,512</b>	<b>1,637</b>	<b>1,709</b>
<b>Appointed Staff</b>							
Exec./Admin./Mng./Professional	2,062	2,055	2,099	2,186	2,285	2,320	2,283
Secretarial/Clerical	1,453	1,419	1,421	1,421	1,421	1,405	1,304
Technical/Paraprofessional	750	734	741	735	717	727	732
Skilled Crafts	120	120	116	118	129	136	134
Service Maintenance Workers	257	239	244	249	282	283	271
Total	4,642	4,567	4,621	4,709	4,834	4,871	4,724



GENDER AND ETHNIC MINORITY REPRESENTATION AMONG FACULTY, STAFF, AND STUDENTS

Representation of women and African-Americans among professional staff more closely resembles the diversity of IUPUI's student population than does the representation of women and African-Americans among tenured and tenure-track faculty.

FALL TERMS	2004	2005	2006	2007	2008
<b>Tenured and Tenure-Track Faculty (Exc. Librarians)<sup>1</sup></b>					
Percent Women	29	29	30	30	31
Percent Minority	17	17	16	16	18
Percent African-American	3	3	3	3	3
Percent Minority (new IPEDS definition)**	—	—	—	—	—
<b>Executive, Administrative, Managerial, and Professional Staff</b>					
Percent Women	67	67	68	68	68
Percent Minority	11	12	12	13	13
Percent African-American	7	7	7	7	8
Percent Minority (new IPEDS definition)	—	—	—	—	—
<b>Students</b>					
Percent Women	58	58	58	58	58
Percent Minority	14	15	15	15	15
Percent African-American	9	9	9	9	9
Percent Minority (new IPEDS definition)	—	—	—	—	—

1 – EXCLUDES LIBRARIANS.  
\*\* – IPEDS DEFINITION EFFECTIVE FALL 2010. AFRICAN AMERICAN PERCENTAGES STAYED THE SAME

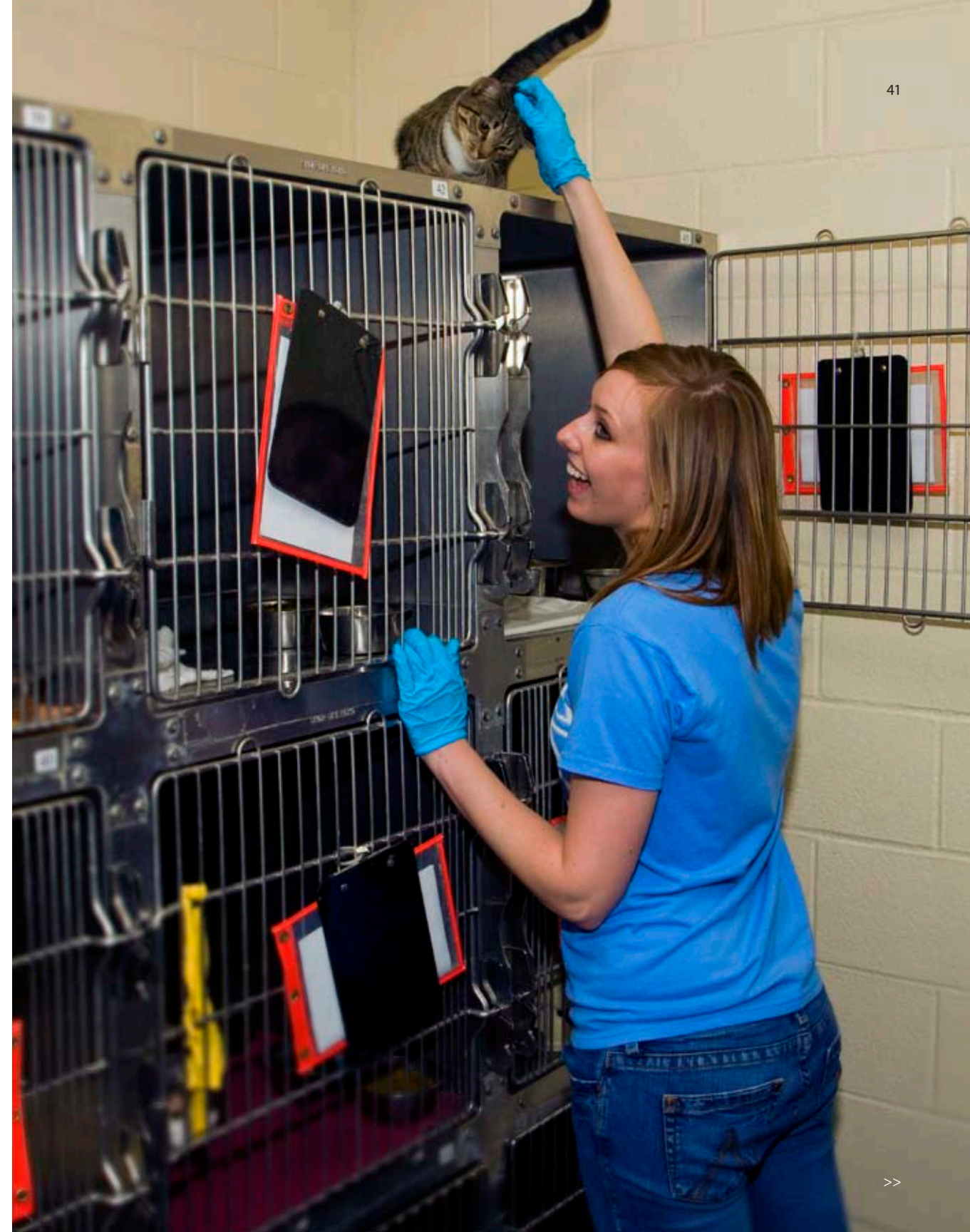
Urban research.



Global impact.

## Excellence in Civic Engagement

Urban research adds value and impact to IUPUI's engagement with our city and community, just as civic engagement adds value and impact to the urban research we pursue. Urban research asks “what if?” questions that help our community make evidence-based decisions. Engagement with the community, in turn, enables researchers to translate knowledge into action, creating models of practice that can be adapted elsewhere. Take, for example, a recent project conducted by the Center for Criminal Justice Research in the **School of Public and Environmental Affairs**. Researchers in that center evaluated the “Educating Kids about Gun Violence” initiative, as part of a partnership with Indiana Project Safe Neighborhoods. The evaluation report identifies aspects of the program that had the greatest impact on participants, as well as those that had little impact. The findings will be published in a forthcoming issue of *American Surgeon*—allowing other cities to replicate the most successful features of the Indianapolis initiative as they address gun violence among urban youth.



These links between urban research and civic engagement at IUPUI strengthen both, leading to national recognition of IUPUI as a civically engaged university. In 2009, the Coalition for Urban and Metropolitan Universities named IUPUI one of the top five “Best Neighbor” colleges and universities in the nation. For the third consecutive year, we were included on the President’s Higher Education Community Service Honor Roll—recognition from the highest levels of the federal government of the campus’s commitment to service and civic engagement. And for the ninth consecutive year, *U.S. News & World Report* listed IUPUI’s service learning program as a “program to look for.” Today’s generation of students expect to be involved with local communities. In collaboration with our Indianapolis neighbors, IUPUI offers an abundance of these opportunities, helping to make an IUPUI education truly distinctive.

### ENHANCE CAPACITY FOR CIVIC ENGAGEMENT

- The **Center for Service** and Learning reports that over 6,200 students contributed more than 118,000 hours of service to approximately 230 community partner organizations through service learning classes in 2009-2010. Service learning hours have increased six-fold over the past ten years.
- The Advanced Manufacturing Center for Excellence at **Indiana University-Purdue University Columbus**, currently under construction, will house advanced manufacturing degree programs and workforce training offered by Ivy Tech Community College, IUPUC, and related high school programs serving Southeastern Indiana communities. Designed by renowned architect Cesar Pelli, the 44,000 square foot facility will be completed in Spring 2011.



- The **School of Physical Education and Tourism Management** organized the new Indianapolis Physical Activity and Health Collaborative (IPAHC), in partnership with the American College of Sports Medicine, the Indiana Housing Agency, and the Indianapolis Public Schools. IPAHC offers healthy lifestyle education, services, and facilities to the Indianapolis community and service learning opportunities to students. The collaborative aims to develop an effective, efficient model of collaboration that can be duplicated or adapted by other cities.
- The **School of Dentistry** began two new intercultural service learning programs, one in Mexico's Yucatan, the other in Montana, working with the Blackfeet Nation. Ten faculty members and 57 dental students contributed to these and the school's six ongoing programs in Brazil, Ecuador, Guatemala, Haiti, Honduras, and Mexico during 2009-2010.

#### ENHANCE CIVIC ACTIVITIES, PARTNERSHIPS, AND PATIENT AND CLIENT SERVICES LOCALLY, STATEWIDE, NATIONALLY, AND GLOBALLY

- AMPATH (Academic Model Providing Access to Healthcare), the 20-year-old partnership among the **School of Medicine**, the Moi University School of Medicine, and Moi Teaching and Referral Hospital in Eldoret, Kenya announced a \$5 million grant from the United States Agency for International Development (USAID) to expand health care services in western Kenya.

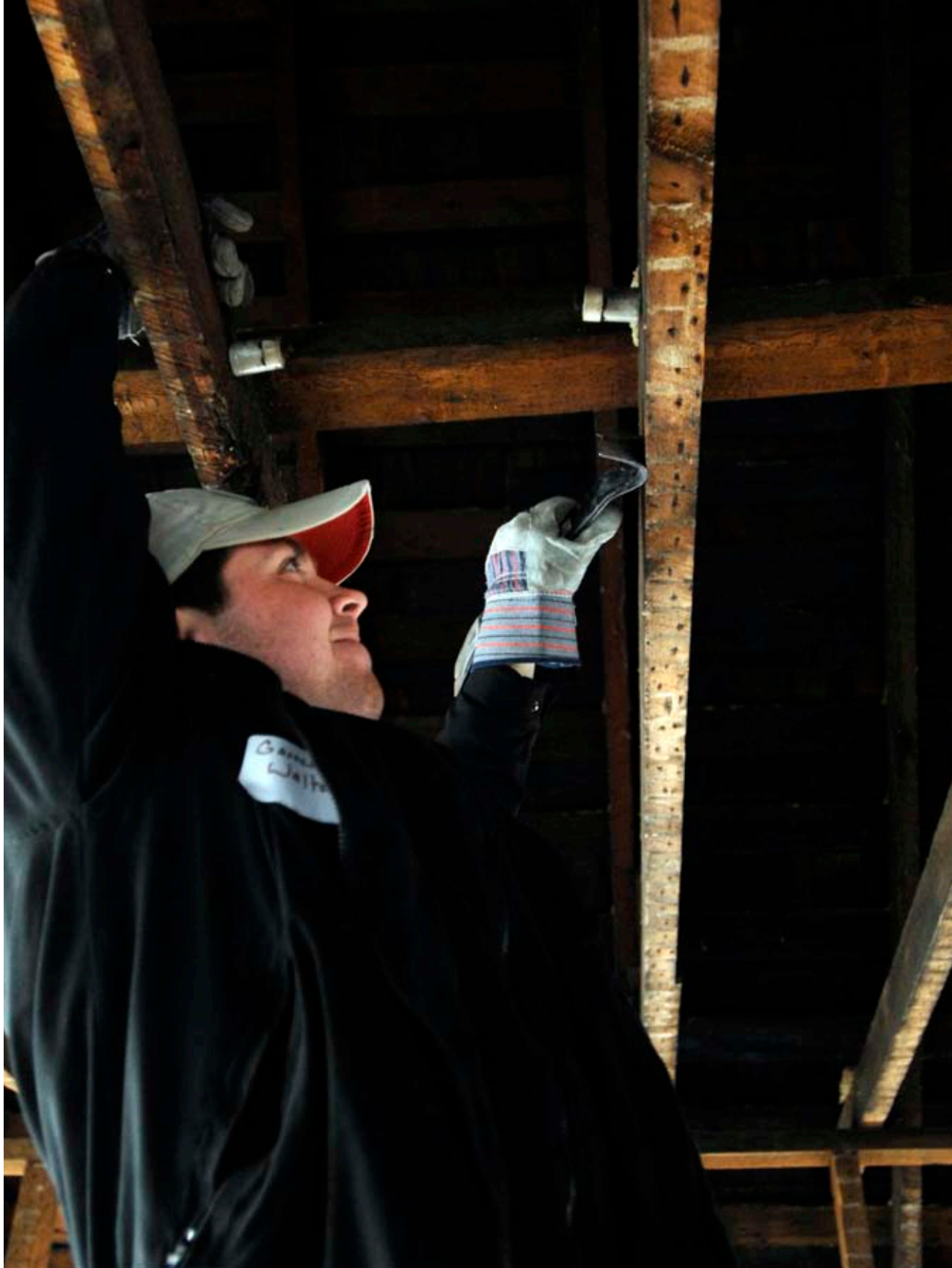


The Division of Student Life hosted a Green Fair during the 2009 Weeks of Welcome in support of the 2009-2011 Common Theme, "Consuming Well for the Wealth of Communities." Participants received reusable bags and visited 25 local businesses that support sustainability.



The new grant supplements an earlier five-year \$60 million USAID grant to prevent and treat HIV/AIDS in Kenya. This additional funding will help to develop a model for primary care similar to the USAID-AMPATH model for HIV care. AMPATH's network of clinics treats over 100,000 Kenyans in 46 locations through a system of community health workers.

- Sixty-five IUPUI students and staff members participated in Alternative Fall and Spring Breaks through the **Division of Student Life**, a 58 percent increase over the previous year. Alternative Breaks are low-cost service trips that take IUPUI students to communities outside Indianapolis to carry out short-term projects related to such issues as health, literacy, poverty, homelessness, and terminal illness.
- The **School of Journalism** launched the National Sports Journalism Center web site, intended to serve as the nation's definitive source of news and commentary on the sports media industry. In its first ten months, the site attracted almost 170,000 unique visitors and more than 1.25 million page views.



- IUPUI hosted the first Public Scholars in Africana Studies Conference, organized by the three public scholars in African American and African Diaspora Studies in the **School of Liberal Arts**. Appointed in 2007, these faculty members link their academic disciplines to community organizations and institutions, while building IUPUI's strength in an interdisciplinary field that supports the campus commitment to linking scholarship and civic engagement.

# \$2.5

## ECONOMIC IMPACT

The Indiana Business Research Center estimated the impact of IUPUI on central Indiana's economic activity at \$2.5 billion annually.

# 2,401

## SEAL INDIANA

The School of Dentistry's mobile dental sealant program provided free dental services to 2,401 low-income children across the state.

# 118,000

## SERVICE LEARNING

IUPUI students in service learning courses provided 118,000 hours of service at 230 sites during 2009-2010.

# 48,000

## COMMUNITY SERVICE SCHOLARS

IUPUI's 214 Sam H. Jones Community Service Scholars provided almost 48,000 hours of service to Indianapolis and IUPUI.

# \$3.4

## SERVICE LEARNING VALUE

A study by the Indiana Business Research Council estimated the value of IUPUI service learning and volunteerism in Indianapolis at \$3.4 million per year.

# 65

## APPLICATIONS

Sixty-five IUPUI students participated in Alternative Spring Breaks, traveling to communities outside Indianapolis for short-term community service projects.



## INTENSIFY COMMITMENT AND ACCOUNTABILITY TO INDIANAPOLIS, CENTRAL INDIANA, AND THE ENTIRE STATE

- IUPUI launched the Common Theme Project in 2009-2010. Led by **University College**, the project selects a book to spark campus-wide discussion of topics important to IUPUI, the Indianapolis community, and the world. The inaugural common theme is "Consuming Well for the Wealth of Communities, From IUPUI to the World." The theme asks IUPUI students, staff, and faculty, and the local community to consider the consequences of our consumption habits for the health and wealth of our communities. Bill McKibben, author of *Deep Economy*, the 2009-2010 Common Theme reading, spoke to a large audience of students, faculty, staff, and community members in November 2009.
- The **Center for Service and Learning** reports that IUPUI received the 2010 Outreach Scholarship W.K. Kellogg Foundation Engagement Award from the Association of Public and Land-Grant Universities. The nomination highlighted the partnership between IUPUI and George Washington Community School. IUPUI was one of five universities nationally to receive the prestigious award.

- The City of Indianapolis Department of Public Safety, Marion County Emergency Management Planning Division contracted with the Center for Criminal Justice Research in the **School of Public and Environmental Affairs** to perform a regional Emergency Management Capability Analysis for Indiana District 5. Focusing on Boone, Hamilton, Hancock, Hendricks, Johnson, Marion, Morgan, and Shelby Counties, the analysis will document the capabilities of the district's emergency management agencies. The information will be used to help determine funding allocation to District 5 agencies.
- The **Community Learning Network** partnered with the Goodwill Senior Community Service Employment Program to offer continuing education to low income people with limited employment prospects age 55 and older. To improve their employability, participants are trained in human resource development, Spanish, and computer use. Enrollment in the program jumped from four in 2009 to 90 in 2010.
- The Labor Studies Program in the **School of Social Work** is developing and delivering a new Advanced Manufacturing curriculum for dislocated workers from the Navistar Plant in Indianapolis. The program, which is the first of its kind in the nation, trains workers for high-demand jobs in Central Indiana.





**SERVICE LEARNING**

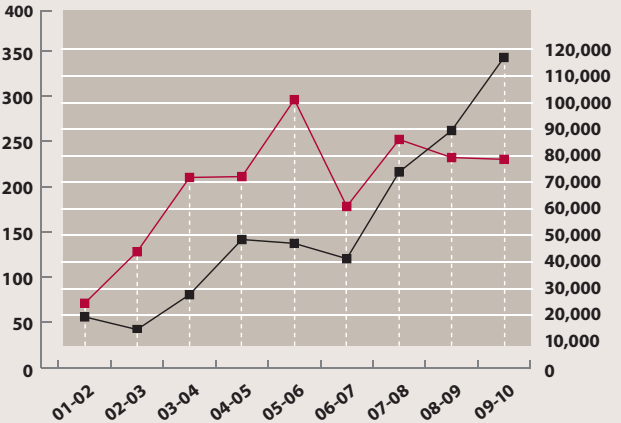
Service learning classes, faculty and student participation, hours contributed, and community partnerships have increased dramatically as a result of ongoing initiatives, including new student scholarships and faculty professional development efforts designed to double service learning at IUPUI.



ACADEMIC YEAR	01-02	02-03	03-04	04-05	05-06	06-07	07-08	08-09	09-10
Classes	37	42	41	53	157	119	150	223	309
Faculty Involved	56	57	50	54	100	92	123	120	138
Student Enrollment	1,923	1,890	2,001	2,079	2,900	2,659	3,925	4,647	6,211
Hours of Service	19,747	14,941	28,162	49,048	47,592	41,797	74,641	90,331	118,000
Community Partners <sup>1</sup>	71	128	210	211	296	178	252	232	230

1 – NUMBER OF COMMUNITY PARTNERS ESTIMATED.

**COMMUNITY SITES  
(LEFT AXIS)**                      **HOURS OF SERVICES  
(RIGHT AXIS)**

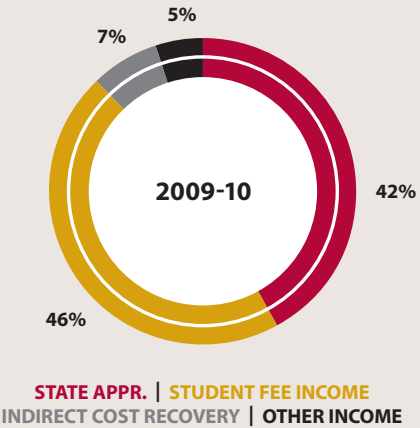
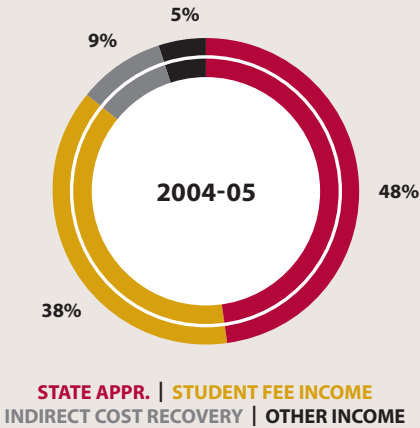




RECENT TRENDS IN IUPUI BUDGETED EDUCATION AND GENERAL REVENUES

State appropriations have declined as a percentage of IUPUI’s total education and general revenue stream over the last five years. Student fee income is now IUPUI largest source of revenue.

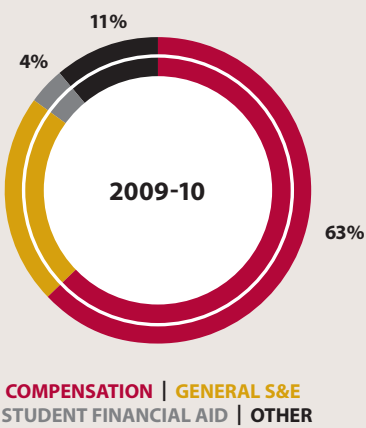
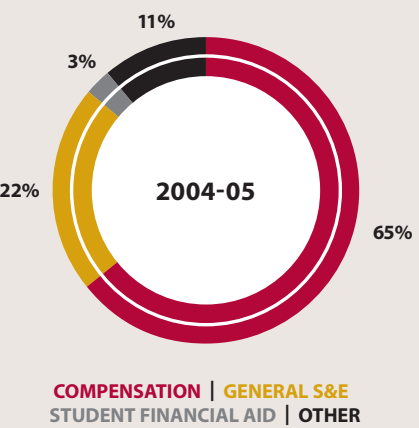
FISCAL YEAR (JULY TO JUNE)	04-05	05-06	06-07	07-08	08-09	09-10
State Appropriation	\$210,152,481	\$208,249,464	\$208,996,707	\$221,431,012	\$230,023,021	\$231,939,802
Student Fee Income	\$167,174,097	\$187,135,948	\$202,829,632	\$221,140,705	\$249,512,190	\$257,474,927
Indirect Cost Recovery	\$40,599,670	\$40,122,750	\$39,145,853	\$35,853,737	\$37,553,592	\$39,895,299
Other Income	\$22,404,043	\$22,793,143	\$26,819,187	\$28,031,251	\$28,737,477	\$29,707,652
Total	\$440,330,291	\$458,301,305	\$477,791,379	\$506,456,705	\$545,826,280	\$559,017,680



RECENT TRENDS IN IUPUI BUDGETED EXPENDITURES

The percentages for budgeted expenditures by category have remained fairly stable since 2004-05.

FISCAL YEAR (JULY TO JUNE)	04-05	05-06	06-07	07-08	08-09	09-10
Compensation	\$287,134,328	\$289,664,523	\$302,383,309	\$316,939,582	\$340,930,927	\$348,631,961
General S & E	\$95,023,255	\$91,178,616	\$96,037,411	\$106,631,989	\$120,768,029	\$123,684,368
Student Financial Aid	\$11,677,164	\$12,918,916	\$14,598,697	\$17,334,382	\$22,300,279	\$23,877,321
Other Expenses	\$46,495,544	\$64,127,250	\$64,771,962	\$65,550,752	\$61,827,045	\$62,824,030
Total	\$440,330,291	\$457,889,305	\$477,791,379	\$506,456,705	\$545,826,280	\$559,017,680





**WRITER AND EDITOR:**

Susan Kahn  
IUPUI Office of Institutional Effectiveness

**DATA SUPPORT:**

IUPUI Office of Information Management  
and Institutional Research

**DESIGN:**

Greg Goul  
[gouldesigncompany.com](http://gouldesigncompany.com)

**MANAGEMENT:**

IUPUI Office of Communications and Marketing,  
Office of External Affairs

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INDIANA UNIVERSITY  
PURDUE UNIVERSITY  
INDIANAPOLIS

355 N. Lansing Street, Indianapolis, IN 46202

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