

**Blueprint for Academic Excellence
Arnold School of Public Health
2011-2012**

I. Executive Summary

Universities with top Schools of Public Health

Columbia University	University of Michigan
Emory University	University of North Carolina – Chapel Hill
Harvard University	University of Pittsburgh
Johns Hopkins University	University of Texas - Houston
University of California – Los Angeles	University of Washington

Universities with peer Schools of Public Health

George Washington University	University of California – Berkeley
University of Alabama-Birmingham	University of Minnesota
University of Arizona	

Among the 46 accredited schools of public health, there is reasonably strong agreement on the top ten schools of public health. Similarly there is a group of schools in the lower third that we clearly surpass by a variety of metrics. However, the middle group of which we are a part, of which five are shown above as the peer group of institutions, is much more difficult to differentiate. Among these schools, some (e.g., UAB) are perceived as surpassing the Arnold School in scholarship, usually because of being part of a larger research university and/or comprehensive academic medical center, while being weaker in size and strength of academic programs (e.g., GWU). Others may surpass us in academic productivity but are significantly weaker in scholarship and grantsmanship (e.g., U. of Arizona).

Strengths of the Arnold School of Public Health

- Talented, diverse, interdisciplinary and widely-recognized faculty dedicated to excellence in both scholarship and academic missions
- Competitively funded collaborations within and beyond the School: our faculty members have been catalysts for numerous research and academic interdisciplinary initiatives.
- Dedication to doctoral program enhancement and growth, and nurturing growth with quality of our undergraduate programs

Accomplishments of the Arnold School in the past five years

- Successful recruitment of 40 faculty in all ranks and tracks over the past four years
- In FY 2010, the Arnold School achieved external funding totaling \$26,904,175 or more than \$460,000 per tenure-track faculty member, the highest per capita funding in the University. In addition, faculty published 288 articles in peer-reviewed journals in CY 2010.
- Involvement in multiple successful proposals for Centers for Economic Excellence: SeniorSmart, Health Care Quality, Technologies to Enhance Healthful Lifestyles,

Rehabilitation and Reconstructive Sciences, Nano-Environmental Research and Risk Assessment, Prostate Cancer Disparities Research; met minimum match on all in 2010

- Development, implementation and rapid growth of undergraduate programs in the Arnold School to 943 students in Fall 2010, more than double the enrollment in Fall 2005
- Active leadership role in the successful development of the Health Sciences Research Core, and the Biostatistical Consulting Unit and Data Support Services in particular
- Active participation in the University's first successful T32 grant, *Biomedical-Behavioral Interface: Prevention and Developmental Sciences*
- Establishment of new funded centers and institutes: Institute for the Partnership to Eliminate Health Disparities, Cancer Prevention and Control Program, Environmental Genomics Core Laboratory (EnGenCore) and affiliated corporation (EnGenCore, LLC)
- Received first successful Health Services Research Administration (HRSA) training center grant (\$3.25 million) for support of graduate education in public health practice

Internal Weaknesses of the Arnold School

- Lack of adequate facilities: We need healthy space in which to work. Classroom space is inadequate. Our available laboratory space in the Public Health Research Center (PHRC) is already fully committed without adequate space to support the faculty hiring plan and approved CoEE's over the next four years. We are working with various offices to upfit available space in Discovery I. While this space is much better than what we currently have for three of six departments, it will not meet growth expectations beyond 4-5 years. The focus of the Arnold School capital campaign focus is brick and mortar.
- Retention of qualified faculty and staff at competitive salaries: While we finally have resources to recruit high quality junior faculty and to be more competitive with salaries and start-up packages (when not limited by state HR policies for staff), we are exacerbating existing problems of salary compression for some very productive, dedicated and valuable experienced faculty. We have lost 22 accomplished faculty members in the past three years and anticipate seven more losses by the end of this academic year.
- Inadequate financial support for competitive stipends, tuition waiver and adequate health insurance to recruit top doctoral students. Arnold endowment is helpful but insufficient.

Additional Weakness impacting the Arnold School

- Inadequate student pedestrian safety for transit to/from the PHRC and Discovery buildings. City/campus has yet to address significant traffic hazard at Assembly and College Streets intersection. Multiple pedestrian-auto collisions have been reported in past 3 years.
- Inadequate professional staff support at the institutional level for, e.g., contract and grant accounting, human resources and payroll, support for development of web presence and content, publications and presentations, and IT infrastructure development
- Lack of adequate classroom space -- both quantity and quality -- especially in the Innovista area of campus
- Distance (distributed) education technology, support, and instructor training is less than adequate at USC. There is a strong need for public health distance education in SC.

II. Goals

Vision for the Arnold School

We strive to be recognized nationally and internationally for our outstanding graduates and for research that impacts our understanding of and ability to improve the public's health through dissemination and outreach to and collaboration with communities, agencies and organizations.

Mission for the Arnold School

The mission of the Arnold School of Public Health is to expand, disseminate and apply the body of knowledge regarding prevention of disease, disability and environmental degradation; promotion of health and well-being in diverse populations; and provision of effective, efficient and equitable health services.

Our vision statement affirms that the School will strive to maintain a level of excellence in teaching, research and outreach that yields national and international recognition for our efforts to improve the public's health, in parallel with the Provost's vision of dedication to academic excellence and academic integrity. Our mission statement addresses the three fundamental areas of the academic triad through the action words of "expand, disseminate and apply the body of knowledge" followed by a more detailed description of the diverse components of the public's health that we are addressing. The goals that follow are intended to be comprehensive of the breadth of Arnold School activities as our School is very multi-disciplinary with major accomplishments over a broad spectrum of public health interests and needs.

Five-Year Goals

Goal 1: To provide educational programs of excellence for public health professionals and scholars to gain recognition as one of the top ten schools of public health in public institutions of higher education.

The University of South Carolina is first an institution of higher education, so instructional activities must be at the forefront of our activities. In response to a publicly recognized shrinkage of the public health workforce (>200K workers by 2018), the Arnold School of Public Health is preparing the next generation of public health professionals and scholars through a diverse curriculum, ranging from traditional baccalaureate programs in Exercise Science and Public Health to three DrPH and seven PhD programs. We have seven distinct Master of Public Health programs, preparing public health professionals for many components of the public health workforce, in addition to a variety of masters programs with a thesis as a culminating research project and several graduate certificate programs. For many years the Arnold School has enjoyed a reputation for excellence in teaching, and in particular for its strong faculty-student interaction. As we continue to grow, we continually review our curriculum to keep it current with the rapidly developing science and practice of public health and responsive to the workforce and community needs. In addition, with our recent and future growth in faculty, we

intend to increase enrollments in doctoral programs, in several undergraduate and masters-level graduate programs, and to explore development of new academic programs that will cross colleges (e.g., Master of Health Information Technology, MHA/MBA with Moore School, MPH/PharmD with South Carolina College of Pharmacy, interdisciplinary Ph.D. training in nanoenvironmental health risk assessment with Chemistry/Biochemistry).

Goal 2: To achieve and maintain research excellence as demonstrated by the creation of knowledge of high impact and importance to public health.

We continue to strive for growth in research and scholarly activity. This goal emphasizes the centrality of research to our mission. While great progress has been made in understanding causes and treatment of diseases that cause pain and suffering in our community, opportunities (and challenges) for understanding how to initiate, plan, and implement large-scale disease prevention through public health education and intervention remain strong and quite fundable. Without a dynamic research and practice program and its accompanying expansion of public health knowledge, the teaching and service components of our mission would become ineffective and the development of an integrated and effective *ecological* model of health would be impossible. Research focusing and investment planning are the target of our most intentional strategic planning this year. Three focus areas were identified for targeted activity: physical activity/exercise and health, nutrition and health, and cancer/cancer prevention. In addition, a faculty-led task force was charged to address issues of School/campus research culture, research sustainability, and emerging opportunities.

Goal 3: To utilize available knowledge to address health and environmental issues facing South Carolina, the nation and the world community.

Public health is inherently a service discipline by virtue of its mission to “fulfill society's interest in assuring conditions in which people can be healthy”, so the lines are often blurred between traditional community service activities and our teaching and research missions. Because much of our research is community-based, and we intentionally train our students to be effective in the community, we must build relationships with public/private health and environmental entities throughout the community for many specific purposes. However, all of these partnerships, whether established for our research objectives or for an agency's expressed needs, ultimately serve to address the health and environmental issues of our local, national or international community. In addition, much of the existing public health workforce nationally has minimal formal training in public health, so our continuing education efforts do make a critical contribution to workforce development for individuals unwilling or unable to complete a degree program.

Goal 4: To provide the infrastructure and resources to meet the goals of education, research, and professional service.

Specific issues within this goal are the most diverse among our set of five-year goals. 1) Successful completion of our administrative leadership searches is a continuing initiative, with two active department chair searches (Health Services Policy & Management and Epidemiology & Biostatistics) and a third anticipated search (September 2011) in Communication Sciences and Disorders. 2) The Public Health Research Center houses approximately half of the Arnold School faculty, staff and graduate students. The proposed move to Discovery I will accommodate three academic departments at current faculty/staff levels, leaving most of two large departments and administrative groups elsewhere. Discussions should begin soon on best strategies to acquire a third comprehensive clinic/classroom/office building beside the PHRC for accommodation of these excluded units and the phenomenal growth trajectory of the Arnold School. 3) We must have qualified faculty and staff to support all of these activities, and budget growth is required to retain and recruit quality individuals. The general budget relates to what is needed to support faculty and staff to meet our mission, to teach our classes, to mentor our students, to support doctoral education, to develop and implement research strategies, and to share our knowledge with the community at large. 4) As the School has grown, we have noted a commensurate need for development and revision of documented policies and procedures to facilitate our programs' operations as efficiently as possible. This activity is well underway, with recent major revisions of all three faculty protocols (tenure and promotion criteria, research faculty, and clinical/instructional/practice faculty) and the related policy and procedure documents. The Arnold SPH completed a revision of the tenure and promotion criterion in 2009 and we feel that our criteria are among the most stringent in the university; our research and clinical faculty protocols have been used as examples across campus and in the SACS self-study. Still, as our faculty quality improves we must strive to continue to raise the bar in order to move into the top tier of national schools of public health.

2011-2012 Academic Year Goals

1. To recruit and retain quality faculty a) to meet academic mission needs and address recommendations from the school's 2010 research strategic plan, b) to fulfill the dean's startup commitment, c) to complete successful department chair searches in Epidemiology & Biostatistics and Health Services Policy & Management, and d) to fill four active COEE endowed chair searches in the Arnold School.

Progress made to date:

- Fourteen faculty hires in AY 2011
- Multiple ongoing searches in AY 2011
- Completed searches (for Fall 2011 start dates): two in Communication Sciences and Disorders; pending offer in Environmental Health Sciences

Plans for 2011-2012:

- HSPM chair search initiated in August 2010 and nearing completion in March 2011;
 - EPID/BIOS chair search initiated in November 2010 with hopeful completion in May/June 2011.
 - One CoEE (NanoEnviroHealth Risk Assessment) chair search initiated in spring 2010 with hire imminent, (Dr. Franz Geiger from Northwestern University)
 - Two CoEE searches initiated in fall/winter 2010, in the candidate solicitation stage (Technologies for Health, and Cancer Disparities). All should be filled by fall/winter 2011, with arrivals in 2012.
 - One CoEE (Orthopedic Outcomes) ongoing since fall 2009, in negotiation phase (Dr. Tom Best)
 - Complete search for new director of Prevention Research Center.
 - Complete search for new director of physical therapy program
 - Complete open faculty searches: biostatistics (over 80 applicants already received); physical activity and health (approved three-faculty cluster developed from physical activity and health research strategic planning task force; nutrition and health; health economics; toxicology; spatial environmental epidemiology; MHA program director; sexuality and health; motor control and development
2. To actively plan for provision of improved infrastructure for the school with particular focus on staff support and provision of adequate buildings and facilities for faculty, staff and students.

Progress made to date:

- Architectural draft schematics completed for renovations of 1st, 2nd and 4th floor areas of PHRC to accommodate Dean's Office functions after vacation of HESC in 2012.
- Draft schematics completed for departmental layouts in Discovery One floors 4, 5, parts of 1, 2 and 3.
- Hired two staff for school Office of Research, recruiting for a third hire.

Plans for 2011-2012:

- Architectural engineering schematics to be completed for Discovery One by May 2011; PHRC renovation schematics completed by June 2011. Construction to begin on both projects in Summer 2011 with completion by December 2012 or January 2013.
- Complete repairs on doors to PHRC to improve performance of electronic locking system for better security and for handicapped access
- Planning staff hires for student services, evaluation/assessment support
- Renovate classroom space in Blatt PE center for physical therapy program

3. To promote curriculum development and assessment: develop appropriate responses to newly-revised CEPH accreditation requirements, implement effective processes for continuing program assessment; improve learning outcomes and linkages to curriculum as needed; address curriculum requirements associated with the Carolina Core.

Progress made to date:

- Major curriculum changes made to DrPH programs and dual degree programs to be in better compliance with accreditation criteria (Spring 2010)
- Continued enhancement of academic program assessment

Plans for 2011-2012:

- Respond to revised CEPH criteria and fully implement curriculum changes necessary to be in compliance, especially for those issues related to the 2012 interim report
- Review and revise undergraduate curricula to incorporate Carolina Core, college core and an integrative experience while being responsive to QEP expectations
- Provide more technical assistance to departments to review and revise learning outcomes and curriculum linkages with learning outcomes.
- Implement new graduate certificate program in public health nutrition.
- Epidemiology & Biostatistics is initiating a comprehensive curriculum review, looking at program competencies and addressing any content gaps and overlaps.

4. To enhance distributed education in the Arnold School, that is to provide more distance education and technology support for all instructional activities.

Progress made to date:

- Dean has committed \$100K to technology improvements for classroom distributed education.
- The school has participated in provost-level discussions of what is available for this campus and what is needed to move us to a new level.

Plans for 2011-2012:

- Install technologies and provide HR support for DE in one or two PHRC classrooms.
- Update remaining core courses for provision by distance.
- Develop additional course to be offered via distance education (e.g., provision of Emergency Management and Public Health Courses to the MPA Program administered by the Strom Thurmond Institute at Clemson University).
- Strategically plan distance education offering to deliver MPH program(s) in Greenville (e.g., Greenville Hospital System or University Center)and/or in Charleston (e.g., Low Country Graduate Center)

5. To promote and enhance doctoral education in the Arnold School.

Progress made to date:

- Revision of DrPH programs in response to accreditation criteria and work force demands
- Use of more than half of Arnold Endowment revenue to support doctoral students
- School-wide focus on providing adequate support for doctoral students through competitive stipends and tuition abatement
- Implementation of revised doctoral curriculum in HPEB
- Dean' office commits at least \$10,000 per year to support student travel for presentations at professional meetings; these travel grants require departmental matches.

Plans for 2011-2012:

- Continue financial support of most qualified doctoral students
- Encourage professional development activities for doctoral students, including professional ethics, training as future faculty, research mentorship
- Encourage doctoral students to attend national/international meetings to network and to present research findings
- Increased use of doctoral incentive funds to increase travel support for doctoral students to present at meetings, to cover publications costs for journal articles coming out of student research, and to offer fellowships to new applicants for the coming year.

Unit Statistical Profile

Student Enrollment and Credit Hours

1. Number of entering freshmen for classes Fall 2008, Fall 2009, and Fall 2010 and their average SAT and ACT scores

	Fall 2008	Fall 2009	Fall 2010
<u>Test Scores (avg)</u>			
# New Fresh / ACT	115/26	134/25	174/26
# New Fresh / SAT	115/1173	134/1158	174/1145

2. Freshmen retention rate for classes entering Fall 2008, Fall 2009, and Fall 2010

		2007 Cohort Returned '08	2008 Cohort Returned '09	2009 Cohort Returned '10
<u>Retention Rates</u>				
Public Health	Same school	68.8%	73.0%	71.0%
	Other school	19.8%	10.4%	19.1%
	Total	88.5%	83.5%	90.1%

3. Number of majors enrolled in Fall 2008, Fall 2009, and Fall 2010 by level (headcount and FTE; undergraduate, certificate, first professional, masters, doctoral)

	Fall 2008	Fall 2009	Fall 2010
<u>Student Headcount</u>			
Undergraduate	632	766	943
Masters	353	387	396
Certificate	10	4	5
First Professional	0	0	0
Doctoral	231	262	277
Total	1,226	1,419	1,621

	Fall 2008	Fall 2009	Fall 2010
<u>FTE Students*</u>			
Undergraduate	248	354	402
Masters	311	348	358
First Professional	0	0	0
Doctoral	178	201	215
Total	737	903	975

4. Number of entering first professional and graduate students Fall 2008, Fall 2009, and Fall 2010 and their average GRE, MCAT, LSAT scores, etc.

	Fall 2008 (N=103)	Fall 2009 (N=130)	Fall 2010 (N=134)
<u>Average Standardized Test Scores</u>			
GRE Quantitative	575	581	616
GRE Verbal	480	471	478

Number reflects number of students with standardized test, not number entering a graduate program. GMAT and MCAT are accepted as alternative tests for certain programs, but the number of applicants reporting these scores are too small for aggregate reporting.

5. Number of graduates in Fall 2009, Spring 2010 and Summer 2010 by level (undergraduate, certificate, first professional, masters, doctoral) and placement of terminal masters and doctoral students.

	Fall 2009	Spring 2010	Summer 2010
<u>Degrees Awarded</u>			
Undergraduate	34	95	24
Masters	15	47	72
Certificate	1	0	1
First Professional	0	0	0
Doctoral	20	9	11
Total	70	151	108

**2009-2010
Graduates***

Job Placement

Federal government (U.S. or Foreign)	7
Military	4
State or local government	45
Hospital or other health care provider	56
Association, foundation, voluntary, NGO or other non-profit organization	5
Consulting firm	5
Pharmaceutical, biotech or medical device firm	3
Other industrial or commercial firm	
University or College	2
Self-employed	11
Continuing training (not employed)	2
Seeking employment	
Not seeking employment (not employed; not continuing training)	2

*Responses to Arnold School exit questionnaire from any graduate program

6. Four-, five- and six-year graduation rates for the three most recent applicable classes (undergraduate only).

Graduation Rates		2002 Cohort			2003 Cohort			2004 Cohort		
		4-Year Grad	5-Year Grad	6-Year Grad	4-Year Grad	5-Year Grad	6-Year Grad	4-Year Grad	5-Year Grad	6-Year Grad
<i>Started</i>	<i>Ended</i>									
Public Health	Same School	46.9%	53.1%	53.1%	42.4%	47.0%	47.0%	33.7%	37.2%	38.4%
	Other School	10.2%	20.4%	20.4%	15.2%	19.7%	22.7%	18.6%	31.4%	33.7%
	Total	57.1%	73.5%	73.5%	57.6%	66.7%	69.7%	52.3%	68.6%	72.1%

7. Total credit hours generated by your unit regardless of major for Fall 2009, Spring 2010 and Summer 2010

	Fall 2009	Spring 2010	Summer 2010	Total AY 2009-2010
<u>Student Credit Hours*</u>				
Undergraduate	5,316	5,430	971	11,717
Masters	4,173	3,759	2,750	10,682
Doctoral	1,807	1,843	804	4,454
Total	11,296	11,032	4,525	26,853

8. Number of undergraduate and graduate credit hours, stated separately, taught by tenured and tenure-track faculty, by instructors, by research and clinical faculty, and by temporary faculty.

	Undergraduate	Graduate
<u>Instructor *</u>		
Professor	2178	725
Associate Professor	1480	2103
Assistant Professor	623	2271
Total tenured/tenure-track	4281	5099
Clinical Associate Professor	1339	2130
Clinical Assistant Professor	2461	2006
Instructor	1366	518
Clinical instructor	0	1382
Total clinical/instructional faculty	5166	6036
Research Professor	210	139
Research Associate Professor	0	138
Research Assistant Professor	0	30
Total research faculty	210	307

Adjunct	133	1780
Graduate Assistants	669	3
Non-applicable/No HR data	1258	1911
Total other instructors	2060	3694
TOTAL	11,717	15,136

9. Number of faculty by title for Fall 2008, Fall 2009, and Fall 2010

	Fall 2008	Fall 2009	Fall 2010
<u>Tenure Track Faculty</u>			
Professor	15/16	14/15*	17/19*
Associate Professor	16/15	15	14/15
Assistant Professor	21/25	25/27	27/30
<u>Research Faculty</u>			
Professor	2	2	2
Associate Professor	2	2	2
Assistant Professor	14/15	9/11	8/9
<u>Instructors</u>			
	3/2	5	6/4
<u>Visiting Faculty</u>			
Professor	0	0	0
Associate Professor	0	0	1
Assistant Professor	0	0	0
<u>Clinical Faculty</u>			
Professor	0/1**	0/1**	0/1**
Associate Professor	5	7	7
Assistant Professor	11/15	10/14	11/13
Instructor	5	5	6
<u>Adjunct Faculty</u>			
	202	199	102

*Includes Jay Moskowitz (HSSC)

**Post-TERI hire of professor emeritus

First faculty count in each cell is as reported by Institutional Assessment and Compliance, second number is based on internal records. Some discrepancies are due to temporary grant appointments; several may reflect fall hires or promotions. Adjunct faculty count is based on internal records and includes USC faculty in units other than Public Health.

Faculty by department, Fall 2010 (internal records)

	COMD	ENHS	EPID/BIOS	EXSC	HPEB	HSPM
<u>Tenure Track Faculty</u>						
Professor		3	4	7	3	2
Associate Professor	3	1	5	2	1	3
Assistant Professor	2	4	8	5	10	1
<u>Research Faculty</u>						
Professor	1			2*		
Associate Professor			1	1		
Assistant Professor		1	3	1		4
<u>Clinical Faculty</u>						
Professor				1*		
Associate Professor			1	3	2	1
Assistant Professor	6	1	2	2	2	
Instructor	6			3		
<u>Total</u>	18	10	24	27	18	11

*Includes post-TERI hires of professor emeriti

10. Total continuing education units

203 CEUs reported for calendar year 2010 (report submitted to Continuing Education and Conferences in December 2010). Several departments and centers report continuing education activities for which no form CEUs are granted.

11. Percent of credit hours, by undergraduate major, taught by faculty with highest terminal degree

	Terminal Degree - UG							
	NO		YES		Total Inst #	Total Cred Hrs	% Yes Section	% Yes Cred Hrs
	Inst #	Cred Hrs	Inst #	Cred Hrs				
<u>Fall 2009</u>								
Exercise Science/B.S.								
Health Fitness	1	57	2	174	3	231	66.67%	75.32%
Motor Development.	1	33	6	871	7	904	85.71%	96.35%
Public Health.	1	69	6	167	7	236	85.71%	70.76%
Scientific Foundations.	128	7509	74	2581	202	10090	36.63%	25.58%
Public Health/ B.A.	5	261	5	303	10	564	50.00%	53.72%
Public Health/ B.S.	12	897	8	870	20	1767	40.00%	49.24%

Terminal Degree - UG

NO YES

Spring 2010	Inst #	Cred Hrs	Inst #	Cred Hrs	Total Inst #	Total Cred Hrs	% Yes Section	% Yes Cred Hrs
Exercise Science/B.S.								
Health Fitness	1	78	13	525	14	603	92.86%	87.06%
Motor Development.	2	477	7	495	9	972	77.78%	50.93%
Public Health.	3	207	5	148	8	355	62.50%	41.69%
Scientific Foundations.	8	432	51	1292	59	1724	86.44%	74.94%
Public Health/ B.A.	5	198	3	39	8	237	37.50%	16.46%
Public Health/ B.S.	11	621	6	684	17	1305	35.29%	52.41%

12. Percent of credit hours by undergraduate major, taught by full-time faculty

Fall 2009	Ugrad		Ugrad		FT % Ugrad	FT % Ugrad
	FT Inst #	Cred Hrs	PT Inst #	Cred Hrs	Inst #	Cred Hrs
Exercise Science/B.S.						
Health Fitness	3	231	0	0	100.00%	100.00%
Motor Development.	6	871	1	33	85.71%	96.35%
Public Health.	7	236	0	0	100.00%	100.00%
Scientific Foundations.	192	9457	10	633	95.05%	93.73%
Public Health/ B.A.	7	468	3	96	70.00%	82.98%
Public Health/ B.S.	13	1476	7	291	65.00%	83.53%

Spring 2010

Exercise Science/B.S.						
Health Fitness	14	603	0	0	100.00%	100.00%
Motor Development.	9	972	0	0	100.00%	100.00%
Public Health.	7	328	1	27	87.50%	92.39%
Scientific Foundations.	57	1670	2	54	96.61%	96.87%
Public Health/ B.A.	4	117	4	120	50.00%	49.37%
Public Health/ B.S.	7	507	10	798	41.18%	38.85%

Scholarship, Research, and Creative Accomplishments

1. Numbers of publications in CYs 2008, 2009, and 2010 by category
2. Number of research paper presentations at national/international conferences in CY 2010

<u>Department</u>	Refereed Publications	Non- Refereed Publications	Books	Book Chapters	Presentations
<u>Total CY 2008</u>	223				315
<u>Total CY 2009</u>	292	29	2	12	334
<u>Calendar Year 2010</u>					
Communication Sciences and Disorders	16			1	11
Environmental Health Sciences	23	1		1	27
Epidemiology and Biostatistics	114	5			51
Exercise Science	86	2		3	50
Health Promotion, Education and Behavior	65	2			38
Health Services Policy and Management	18	3			39
<u>Total CY 2010</u> (UNDUPLICATED)	288	9		5	205

3. List the national awards, scholarships, and fellowships awarded to faculty in CY 2010
 - Steve Blair, 2010 Folksam Prize in Epidemiological Research (Karolinska Institute, Stockholm, Sweden)
 - Steve Blair, 2010 Population Research Prize, American Heart Association
 - Mike Byrd, PhD 2010 Outstanding Leadership Award, National Association of Chronic Disease Directors, 2010
 - Dimitar Deliyski, 2010 Manuel Garcia Prize, Folia Phoniatica et Logopaedica
 - Amy Martin, Delta Omega 2010 Innovative Public Health Curriculum Winner: "Perspectives in Rural Health."
 - Robert MCKeown, Abraham Lilienfeld Award, American Public Health Association, Epidemiology section

- Mindi Spenser, Chris Burch Minority Leadership Development Award, Kaiser Permanente, 2010-2012
- Mindi Spenser, Fellowship, Summer Institute on Behavioral Medicine Intervention, "Mind-Body Science, Tools, and Strategies", Pittsburgh Mind-Body Center, 2010.

4. Performances and exhibitions
Not applicable

5. Summary of sponsored research activity to include grant applications submitted and awarded, arranged by sponsoring agency FY 2010 and to-date (February 23, 2011).

Research Applications submitted by ASPH Researchers in FY 2010 that were awarded as per USCeRA as of 2/23/2011, by Sponsoring Agency (Includes new and continuation applications, and resubmissions. Flow-through funds are listed with agency of origin.)

<u>Sponsor</u>	Total # of Submitted Research Applications*	Total # of Submitted & Awarded Research Applications	1st Year Requested \$ Amount (Awarded)
American Asthma Foundation	1	0	0
American College of Sports Medicine	11	1	4,557
American Diabetes Association	1	0	0
AEDARTS	1	1	99,905
AFAR	1	0	0
AICR	1	1	81,901
American Lung Association	1	0	0
Cancer Research Institute	1	0	0
CDC	13	9	1,833,986
CMS	1	0	0
DHHS	1	0	0
DOC	1	0	0
DOD	7	2	1,939,028
DOE	1	1	285,406
Duke Endowment	2	1	27,000
EPA	1	0	0
Ford Foundation	1	0	0
HHS (excluding CDC, HRSA, NIH)	8	8	1,911,432
HRSA	3	3	860,000

Sponsor	Total # of Submitted Research Applications*	Total # of Submitted & Awarded Research Applications	1st Year Requested \$ Amount (Awarded)
Kellogg Foundation	1	0	0
Kenneth Rainen Foundation	1	0	0
Leukemia Research Foundation	1	0	0
Mary Black Foundation	1	1	26,126
Mary Kay Ash Foundation	1	0	0
Muscular Dystrophy Association	1	0	0
NARSAD	1	0	0
National AIDS Fund	1	0	0
New Morning Foundation	1	1	42,156
NIH	110	32	8,997,934
National Psoriasis Foundation	1	0	0
NSF	7	1	291,351
OPHS	1	0	0
Pew Foundation	1	0	0
Pfizer	1	1	64,999
Physical Therapy Foundation	1	0	0
Piedmont Health Care Foundation	1	0	0
Powe Jr. Faculty Enhancement Awards	1	0	0
Robert Wood Johnson Foundation	2	0	0
S&R Foundation	1	0	0
SAMHSA	2	1	98,937
SC CHE	1	0	0
SC CTRI	1	0	0
SCRA	1	0	0
SCSGC	1	0	0
USDA	1	0	0
Veterans Administration	1	0	0
Wm T. Grant Foundation	1	0	0
Totals	202	64	16,564,718

*The total dollar amount of FY 2010 research applications first year request is \$48,914,224

Data Source: USCeRA

Research Applications submitted by ASPH Researchers in FY 2011 that have been awarded as per USCeRA as of 2/23/2011, by Sponsoring Agency (Includes new and continuation applications, and resubmissions. Flow-through funds are listed with agency of origin.)

<u>Sponsor</u>	FY 2011 to- date Total # of Submitted Research Applications*	Total # of Submitted & Awarded Research Applications	1st Year Requested Amount (Awarded) To-date
American College of Sports Medicine	8	0	0
American Diabetes Association	3	0	0
American Heart Association	1	0	0
AHRQ	1	0	0
CDC	2	0	0
Clinaero, Inc.	1	0	0
Coca-Cola Corporation	3	1	403,628
DOD	1	0	0
DOE	3	0	0
DOJ	1	0	0
Eat Smart Move More	1	1	22,592
HHS (excluding CDC, HRSA, NIH)	1	1	10,000
Mary Black Foundation	1	1	14,785
New Morning Foundation	1	0	0
NIH	57	5	747,085
NMIPH	1	1	59,683
NOAA	1	0	0
NSF	2	0	0
RWJF	1	0	0
S&R Foundation	1	0	0
SC DHEC	1	1	13,176
SC DHHS	1	0	0
TechnoGym	1	0	0
USDA	1	0	0
Totals	95	11	1,270,949

*The total dollar amount of FY 2011 research applications first year request to-date is \$20,031,907

Data Source: USCeRA

6. Total extramural funding processed through SAM in FY 2010, and federal extramural funding processed through SAM in FY 2010

Summary of FY 2010 Extramural Funding to ASPH PIs

Total Federal Extramural Funding	21,694,612
Total Non-Federal Extramural Funding	5,209,563
Total FY 2010 Extramural Funding	26,904,175

Data Source: USCeRA

7. Total research expenditures (RE) per tenured/tenure track faculty for FY 2010, by rank and by department if applicable.

<u>Rank</u>	<u>Total RE</u>	<u># TT Faculty</u>	<u>RE \$ Per TT Faculty</u>
Prof (15 with RE)	9,876,916	17	\$580,995
Assoc Prof (16 with RE)	6,954,610	14	\$496,758
Asst Prof (18 with RE)	1,627,006	27	\$60,259
Non-TT Faculty & Non-Faculty (24 with RE)	2,494,151		
Total Research Expenditures	20,952,683		

Expenditure Data Source: SAM

*Amounts per faculty member are calculated using the number of faculty members by rank reported by USC's Institutional Assessment and Compliance Office, but as noted above, these numbers are not consistent with internal records.

8. Amount of sponsored research funding per faculty member (by rank and type of funding)

FY 2010 Amount of Research Funding by Faculty Rank and Type of Funding								
Rank	Federal	Corp	Local	Hospital/ Other	Non- Profit	State Gov	Total	Per Faculty*
Prof	6,912,473	211,015	0	2,607,901	686,231	(489,651)	9,927,969	\$583,998
Assoc Prof	6,563,163	0	0	0	(12,820)	0	6,550,343	\$467,882
Asst Prof	1,600,426	0	0	0	251,880	0	1,852,306	\$68,604
Res Prof	138,079	0	0	0	0	0	138,079	\$69,040
Res Assoc Prof	1,972,186	0	0	0	11,286	0	1,983,472	\$991,736
Res Asst Prof	808,457	0	0	0	0	0	808,457	\$101,057
Clin Asst Prof	211,209	0	0	0	50,011	0	261,220	\$23,747
Totals	18,205,993	211,015	0	2,607,901	986,588	(489,651)	21,521,846	\$244,566

*Amounts per faculty member are calculated using the number of faculty members by rank reported by USC's Institutional Assessment and Compliance Office, but as noted above, these numbers are not consistent with internal records. Awards for research professors include those for two-part time faculty who are research grant employees. This table does not include research awards totaling \$1,527,122 with non-faculty PI (research associate, staff, student) Source: USCeRA

9. Percentage of unit faculty with sponsored research activity as PI (by rank and type of activity)

<u>Rank</u>	FY 2010 ASPH Faculty Research Awards*				
	# Funded Faculty	Total Res \$ Amount	Total Faculty	\$/Faculty Member	% as PI
Prof	13	9,927,969	17	\$583,998	76%
Assoc Prof	12	6,550,343	14	\$467,882	86%
Asst Prof	13	1,852,306	27	\$68,604	48%
Res Prof	1	138,079	2	\$69,040	50%
Res Assoc Prof	1	1,983,472	2	\$991,736	50%
Res Asst Prof	5	808,457	8	\$101,057	63%
Clin Asst Prof	2	261,220	11	\$23,747	18%
Totals	47	21,521,846	88	\$244,566	53%

*Amounts per faculty member are calculated using the number of faculty members by rank reported by USC's Institutional Assessment and Compliance Office, but as noted above, these numbers are not consistent with internal records. This table does not include research awards totaling \$1,527,122 with non-faculty PI (research associate, staff, student). Grant Data Source: USCeRA Faculty Data Source: USC Institutional Assessment & Compliance

10. Number of patents, disclosures, and licensing agreements in CYs 2008, 2009, & 2010

John Baynes, PhD: SCRF No. 884 "A Rapid Method for Detecting Increased Succination of Protein for Diagnostic Purposes"

11. Number of proposals submitted to external funding agencies during CY 2010 by type and department/center (CY 2010 total 1st yr request = \$47,094,262)

<u>Dept/Center</u>	<u>GA</u>	<u>Research</u>	<u>Service</u>	<u>Training</u>	<u>Totals</u>
COMD	0	7	0	4	11
ENHS	0	19	3	0	22
EPID/BIOS	4	28	2	3	37

<u>Dept/Center</u>	<u>GA</u>	<u>Research</u>	<u>Service</u>	<u>Training</u>	<u>Totals</u>
EXSC	2	60	0	0	62
HPEB	19	11	0	0	30
HSPM	43	7	4	0	54
PRC	0	12	0	1	13
CHSPR	0	11	2	0	13
NC	0	17	0	0	17
Dean	1	7	11	9	28
IPEHD	0	2	0	0	2
CPCP	0	5	0	0	5
Totals	69	186	22	17	294

Data Source: USCeRA

Faculty Hiring

1. Number of faculty hired and lost for AY 2008, AY 2009, and AY 2010

<u>Faculty Hires</u>		<u>2007- 2008</u>	<u>2008- 2009</u>	<u>2009- 2010</u>	<u>2010- 2011</u>	TOTAL
Professor	HSPM	1				1
Associate Professor	EPID/BIOS	1			2	3
Assistant Professor	COMD		2		1	23
	ENHS	1		1	1	
	EPID/BIOS	2		1	1	
	EXSC	1	2	1		
	HPEB	5	2	1		
	HSPM		1			
Instructor	COMD		1			6
	EXSC		1	2		
	HPEB				2	
Research Assistant Professor	EPID/BIOS	2				7
	EXSC		1			
	HSPM				4	

Clinical Assistant Professor	COMD	1		1	1	9
	ENHS			1		
	EPID/BIOS	2			1	
	EXSC	1				
	HSPM				1	
TOTAL		17	10	8	14	49

		2007-2008	2008-2009	2009-2010	2010-2011*	Total
<u>Faculty Lost</u>						
Professor	ENHS		1			5
	EPID/BIOS	3				
	EXSC				1	
Associate professor	COMD	1	1	1		7
	EPID/BIOS				1	
	HPEB	1				
	HSPM	1			1	
Assistant professor	COMD			1		6
	ENHS		1		2	
	EPID/BIOS	1				
	EXSC					
	HPEB	1				
	HSPM					
Research Associate Professor	EXSC				1	1
Research Assistant Professor	COMD		1			7
	ENHS		1			
	EPID/BIOS	3				
	EXSC			1		
	HPEB	1				
Clinical Associate Professor	HSPM				1	1
Clinical Assistant	COMD			1		2

Professor	HPEB			1	
Instructor	EPID/BIOS			1	1
Total		11	5	6	7

*Faculty lost for 2010-2011 are announced retirements/resignations prior to August 16, 2011. Two have indicated intent to resign but are officially on unpaid leave of absence.

2. Number of post-doctoral scholars

- FY 2008 Total five across school
- FY 2009 Total 13 across school: COMD – 3; ENHS – 2; EXSC – 5; HSPM - 4
- FY 2010 Total 13 across school: COMD – 3; ENHS – 2; EXSC – 5; HSPM – 3; Office of Public Health Practice – 1
- FY 2011 Total 10 across school: COMD – 2; ENHS – 1; EPID/BIOS – 1; EXSC – 5; HPEB – 1

[Several departments indicated post-doctoral fellows that were administratively processed as research associates or on rare occasion as research assistant professor. For FY 2011, the ten fellows are administratively post-doctoral fellows, but for earlier years, there is likely a mix.]

3. Anticipated losses of faculty for the next five years.

- COMD: two tenured associate professors (one conventional retirement, one TERI period end), one senior instructor (TERI period end), one research professor (conventional retirement)
- ENHS: one professor (end TERI period)
- EPID/BIOS: one tenured professor (conventional retirement)
- EXSC: three tenured professors (two conventional retirements, one TERI period end)
- HPEB: none anticipated
- HSPM: one tenured associate professor (conventional retirement)

Funding Sources

1. All funds budgeted: E funds only

YEAR	BALANCE 12/31
2008	\$ 1,019,339
2009	\$ 742,196
2010	\$ 2,221,825

2. Gifts and pledges received in FY 2010

\$1,679,414.44