

Peter J. Fos

Home Address:
1300 Windsor Drive
Hattiesburg, Mississippi 39401
(228) 342-1743

Office Address:
The University of Southern Mississippi
118 College Drive, #10075
Hattiesburg, MS 39406-0001
(601) 266-4866
(601) 266-5790 fax
email: peter.fos@usm.edu

Biographical Summary

Dr. Peter J. Fos currently holds the position of Dean of the College of Health at The University of Southern Mississippi. As Dean Dr. Fos has responsibility for undergraduate and graduate programs in the School of Nursing, the School of Social Work, the School of Human Performance and Recreation, the Department of Community Health, the Department of Medical Technology, the Department of Speech and Hearing Sciences, and the Department of Nutrition and Food Systems. The College of Health is comprised by approximately 3,000 students and 150 full-time and part-time faculty and staff. As Dean, Dr. Fos is chief academic officer and manager of a \$6.5M annual budget. Prior to beginning the position of Dean in July of 2004, Dr. Fos held the position of Chief Science Officer at the Mississippi State Department of Health from January 2003 through June of 2004. As Chief Science Officer, Dr. Fos served as Senior Deputy to the State Health Officer and oversees the Offices of Science and Evaluation and Health Decision Science. The Mississippi State Department of Health has a \$280M annual budget, employs 2,300 people, and operates over 100 health clinics and WIC direct food distribution centers throughout the State of Mississippi.

Dr. Fos holds a Full Professor appointment at The University of Southern Mississippi and Adjunct Full Professor appointments at the University of Mississippi Medical Center, School of Medicine, Department of Medicine; Tulane University Health Sciences Center, School of Public Health and Tropical Medicine; University of Alabama-Birmingham, School of Health Related Professions ; Ohio University, School of Health and Human Services; Xavier University of Louisiana, College of Pharmacy; Medical University of South Carolina, College of Health Professions. Dr. Fos has received numerous honors and awards since beginning his academic career, after practicing dentistry for 10 years. In addition, Dr. Fos has published over 40 peer-reviewed papers, technical reports, white papers and book chapters in the areas of health care decision analysis, environmental health, data mining, neural networks, health services research, and managerial epidemiology. He is the principal author of the best selling textbook, published by Jossey-Bass, a Wiley Company, titled *Designing Health Care for*

Populations: Applied Epidemiology in Health Care Administration. In addition, he is the principal author of *Managerial Epidemiology for Health Care Organizations, 2nd Edition*, published by Jossey-Bass, a Wiley Company. He has presented over 50 papers and abstracts at international, national, regional and local conferences. His research interests and consulting experience include: public health system planning and evaluation, managerial epidemiology, decision sciences, health status, health disparities, quality of life, patient satisfaction, access to health care, applied artificial intelligence in health care, negotiation, clinical effectiveness, statistical process control, data mining and outcomes research. Dr. Fos is a member of the American Public Health Association, the Society of Medical Decision Making, the American Dental Association, and the Mississippi Public Health Association.

Personal Married to Lori Fos
 Children – Tammy (22 years of age)
 Timothy (18 years of age)

Education

University of New Orleans	1972	B.A.	Biological Sciences
Louisiana State University Health Sciences Center School of Dentistry	1976	D.D.S.	Dentistry
Tulane University Health Sciences Center School of Public Health and Tropical Medicine	1985	M.P.H.	Health Systems Management
Tulane University Graduate School	1989	Ph.D.	Health Care Decision Analysis

(Dissertation: “The Formal Analysis of Preferences and Value Trade-offs of Health Care Negotiators”)

Professional Background

Current Academic Positions

July 2004-Present	Dean College of Health The University of Southern Mississippi
--------------------------	--

Duties and Responsibilities: Provide leadership to the students, faculty, and staff of the College of Health, which consists of the School of Nursing, School of Social Work, School of Human Performance and Recreation, Department of Medical Technology,

Department of Community Health, Department of Speech and Hearing Sciences, and Department of Nutrition and Food Systems. Coordinate academic activities, alumni affairs, research, and community outreach activities of the College. Participate in faculty and student development.

July 2004-Present

Professor (with tenure)
College of Health
Department of Community Health
The University of Southern Mississippi

Duties and Responsibilities: Teach courses in community health, health administration, decision sciences, health care negotiation, managerial epidemiology, and economic evaluation. Conduct research in health services research, including social epidemiology. Participate in service activities within the College, Department, University, and community. Advise and mentored junior faculty. Advise and mentor students as needed. Participate in preparation of self-study materials and site visit for accrediting bodies.

July 2003-Present

University of Mississippi Medical Center
School of Medicine
Department of Medicine
Adjunct Professor

Duties and Responsibilities: Assist in grant development and teaching of residents and medical students.

July 2003-Present

Medical University of South Carolina
College of Health Professions
Department of Health Administration and Policy
Visiting Scholar

Duties and Responsibilities: Teach courses in health care for populations, managerial epidemiology, and health care administration. Advise and mentor students as needed.

May 2003-Present

Ohio University
College of Health and Human Services
Department of Health Administration
Adjunct Professor

Duties and Responsibilities: Teach courses in health care for populations, managerial epidemiology, and health care administration. Advise and mentor students as needed.

March 2002-Present **Tulane University Health Sciences Center**
School of Public Health and Tropical Medicine
Department of Health Systems Management
Adjunct Professor

Duties and Responsibilities: Teach courses in master's and doctoral programs (residential, executive, and distance) in health care for populations, managerial epidemiology, decision analysis, health services research, and health care administration. Develop curricula in residential, executive, and distance programs. Assist in preparation of accreditation materials. Advise and mentor students as needed.

February 2002-Present **University of Alabama Birmingham**
School of Health Related Professions
Department of Health Administration
Adjunct Professor

Duties and Responsibilities: Teach courses in health care for populations, managerial epidemiology, and health care administration. Participate in preparation of self-study materials and site visit from the Accreditation Commission for Programs in Health Care Administration.

July 2000-Present **Center for Health and Social Systems for the Elderly**
Tulane University Health Sciences Center
School of Public Health and Tropical Medicine
Faculty Member

Duties and Responsibilities: Teach courses and conduct research in health care and social systems for the elderly in the United States and the World. Participate in international exchange programs in Russia, People's Republic of China, and Mexico.

August 1989-Present **Xavier University of Louisiana**
College of Pharmacy
Clinical Professor, Pharmacy and Pharmacology

Duties and Responsibilities: Work with faculty and staff in development of curricula and student research opportunities.

Past Positions

**January 2003-June 2004 Chief Science Office
Mississippi State Department of Health**

Duties and Responsibilities: Senior Deputy to the State Health Officer, and coordinate scientific endeavors at the Mississippi State Department of Health. These scientific endeavors include grant development and evaluation. The Mississippi State Department of Health annually receives grants and contracts from federal agencies and foundations in excess of \$170 million. In addition to management, Chief Science Officer responsibilities included: a) shaping and directing the science policies and planning of the MSDH, b) providing leadership and direction in the development, implementation, improvement and utilization of MSDH capabilities in applied public health science and research, c) providing institutional leadership and guidance on scientific integrity and quality of the MSDH's research and programs, d) working with program directors to translate science outcomes into public health policy and practice, e) working with other agencies and the academic community to enhance collaboration with other agencies and institutions. Management responsibilities from January to September 2003 included the Office of Health Informatics (Vital Records, Public Health Statistics, Patient Information Management System, and Technology Infrastructure Support), and the Office of Science and Evaluation, consisting of approximately 200 employees. From September 2003 through June 2004, managerial responsibilities included the Office of Science and Evaluation and the Office of Health Decision Science. Other duties and responsibilities included: Director of the Institutional Review Board, Director of the Editorial Board, Liaison to Academic Partners, and Liaison to the Scientific Community.

**March 2002-December 2002 University of Nevada Las Vegas
School of Dental Medicine
Professor (with tenure)
Chair of Clinical Sciences**

Duties and Responsibilities: Directed a department of 15 faculty and staff in a startup School of Dental Medicine (inaugural class began August 2002). Participated in preparation of the American Dental Association Commission on Dental School Accreditation self-study materials and during site visit of successful accreditation effort. Recruited and hired additional faculty in preparation for subsequent classes (75 students per year – 300 total students in the expected by Fall 2006). Developed, implemented, monitored, and managed departmental budgets. Developed and implemented curricula in the areas of Integrated Biosciences, Professional Studies, and Clinical Studies. Mentored faculty and coordinate faculty development. Developed and implemented School of Dental Medicine research plan and coordinate research activities. Taught classes in biostatistics, epidemiology, public health, and health care administration. Advised and mentored students. Worked with the School of Dental Medicine Dean, School of Dental Medicine department Chairs, UNLV Dean of the Graduate College, UNLV Senior Vice

Provost, and UNLV Provost in establishing the School of Dental Medicine as an integral unit of the University.

July 2000-March 2002

**Tulane University Health Sciences Center
School of Public Health and Tropical Medicine
Assistant Dean for Undergraduate Relations**

Duties and Responsibilities: Coordinated undergraduate relations with Tulane University, Dillard University, Loyola University of Louisiana, Our Lady of Holy Cross College, and Johns Hopkins University. Developed formal relationships with undergraduate programs. Established 3-2 curricular models to engage undergraduates in careers in the health professions. Served on the Dean's Cabinet and Executive Committee. Assisted in developing the School's strategic plan and institutional policy. Assisted in the School's accreditation review by Southern Association of Colleges and Schools and Council on Education for Public Health (CEPH). Assisted in development of decentralized budgeting model for the School of Public Health.

November 1999-June 2000

**Tulane University Health Sciences Center
School of Public Health and Tropical Medicine
Special Assistant to the Dean for Undergraduate Relations**

Duties and Responsibilities: Assisted the Dean in establishing formal relationships with undergraduate programs to engage undergraduate in careers in health professions.

November 1999-July 2000

**Tulane University Health Sciences Center
School of Public Health and Tropical Medicine
Institute for Health Services Research
Interim Director**

Duties and Responsibilities: Directed the activities of the Institute, including supporting health services researchers by providing seed funding, searching for funding opportunities, and assisting grant proposal submission and grant award management.

July 1998-March 2002

**Tulane University Health Sciences Center
School of Public Health and Tropical Medicine
Department of Health Systems Management
Master of Public Health Program Director**

Duties and Responsibilities: Directed programmatic activities, including recruiting and admitting students, curricula development and management, student and faculty evaluation, developing and managing of programmatic budgets, student affairs, and

career counseling. Participated in Southern Association of Colleges and Schools and Council on Education for Public Health (C.E.P.H.) accreditation self-studies and site visits.

July 1996-March 2002

**Tulane University Health Sciences Center
School of Public Health and Tropical Medicine,
Department of Health Systems Management
Associate Professor (with tenure)**

Duties and Responsibilities: Taught courses in health administration, decision sciences, health care negotiation, managerial epidemiology, and economic evaluation. Conducted research in health services research. Participated in service activities within the School, Health Sciences Center, University, and community. Advised and mentored junior faculty. Advised and mentored students. Participated in preparation of self-study materials and site visit from the Accreditation Commission for Programs in Health Care Administration.

July 1990-June 1996

**Tulane University Health Sciences Center
School of Public Health and Tropical Medicine
Department of Health Systems Management
Assistant Professor**

Duties and Responsibilities: Taught courses in health administration, decision sciences, health care negotiation, managerial epidemiology, and economic evaluation. Developed a research portfolio in research in health services research. Participated in service activities within the School, Health Sciences Center, University, and community. Advised and mentored students. Participated in preparation of self-study materials and site visit from the Accreditation Commission for Programs in Health Care Administration.

May 1987-July 1988

**Tulane University Health Sciences Center
School of Public Health and Tropical Medicine
Department of Health Systems Management
Director of Executive Education Programs (Founding
Director)**

Duties and Responsibilities: Directed programmatic activities, including recruiting and admitting students, curricula development and management, student and faculty evaluation, hiring faculty and staff, developing and managing of programmatic budgets, student affairs, and career counseling. These are the first executive education programs at Tulane University Health Sciences Center.

July 1986-July 1990

**Tulane University Health Sciences Center
School of Public Health and Tropical Medicine
Department of Health Systems Management
Adjunct Assistant Professor**

Duties and Responsibilities: Taught courses in health administration, decision sciences, health care negotiation, managerial epidemiology, and economic evaluation. Advised and mentored students.

Professional Clinical Experience

July 1976- July 1986

**Private Practice of dentistry
Licensure in Louisiana (by examination)**

Duties and Responsibilities: Maintained a general dentistry practice in the metropolitan New Orleans area.

March 1977- July 1986

**City of New Orleans - Bureau of Health
Part-time pediatric dentistry**

Duties and Responsibilities: Treated medically indigent children at community health clinics in the City of New Orleans.

Teaching Experience

Courses Taught

The University of Southern Mississippi, College of Health

CHS 601 Introduction to Community Health Practice

Tulane University Health Sciences Center, School of Public Health and Tropical Medicine

BIOS 605 Methods of Research and Evaluation

HSMG 602 Public Health Applications for Health Care Managers

HSMG 603 Principles of Management

HSMG 674 Decision Models

HSMG 633 Health Care Negotiation

HSMG 718 Cases Studies in Health Systems Management

HSMG 773 Expert Systems for Health Care

HSMG 774 Models of Benefit and Effectiveness in Health Services Research

EMHA 624 Data and Decision Analysis III: Epidemiology

EMHA 674 Executive Decision Making

EMHA 733 Negotiation for Health Care
EPID 601 Principles of Epidemiology
EPID 602 Managerial Epidemiology
EMMM 601 Managerial Epidemiology
EMMM 701 Applied Managerial Epidemiology
EMMM 702 Applied Epidemiologic Analysis for Physician Managers
HSMG 733 Negotiation Analysis
ESCD 701 Health Care for Populations
ESCD 734 Decision Analysis and Advanced Utility Theory

Louisiana State University Health Sciences Center, School of Dentistry

Professional Development II

University of Alabama at Birmingham, School of Health Related Professions

HA 615 Human Health and Disease

University of St. Thomas, Graduate School of Business

MGPM 519 Community Health

University of Nevada Las Vegas, School of Dental Medicine

DEN 7100 Biostatistics in Oral Health Sciences
DEN 7105 Epidemiology in Oral Health Sciences
DEN 7158 Health Care Practice: Risk, Consent & Outcomes
DEN 7509 Patient Compliance Integration Seminar
DEN 7510 Health Systems Integration Seminar

Medical University of South Carolina, College of Health Professions

HAP 802 Global and Community Health

University of Wisconsin, Madison, School of Medicine

Community Health

Student Advising

Tulane University Health Sciences Center

Master's Students	July 1986-March 2002	300 students
Doctoral Students	July 1986-March 2002	40 students
Doctoral Committees (Dr.P.H., Sc.D.)		Member: 28 Chair: 14

University of Nevada Las Vegas

Dentistry Students	March 2002-December 2002	38 students
--------------------	--------------------------	-------------

Publications

Books and Book Chapters

Fos, PJ and Fine, DJ. *Designing Health Care for Populations: Applied Epidemiology in Health Care Administration*, Jossey-Bass, San Francisco, 2000.

Fos PJ, Pinkham JR, and Ranalli DN. Prediction of Sports-related Dental Traumatic Injuries. In *Advances in Sports Dentistry*, ed. D. N. Ranalli, Dental Clinics of North America, W.B. Saunders, Philadelphia, 2000.

Connick CM, **Fos PJ**, and Barsley RJ. Women's oral health in a special needs population. In *Women's Oral Health*, eds. D. Studen-Pavlovich and D. N. Ranalli, Dental Clinics of North America, W.B. Saunders, Philadelphia, July 2001.

Fos, PJ and Hutchinson, L. The state of rural oral health. In *Rural Healthy People, 2010: A Companion to Healthy People 2010*. Southwest Rural Health Research Center, School of Rural Public Health, The Texas A&M University System Health Science Center, 2003.

Fos PJ, McNeill KM, Amy BW "Terrorism coordination: a state-level perspective," In *Community preparedness and response to terrorism [volume I]: the terrorist threat to our communities*, JJ Johnson, GR Ledlow, and WJ Jones, eds., Greenwood Publishing Group, Westport, CT, forthcoming 2005.

Fos, PJ and Fine, DJ. *Managerial Epidemiology for Health Care Organizations, 2nd edition*, Jossey-Bass, San Francisco, June 2005.

Peer-reviewed Publications

Fos PJ and Pittman JP. "Caries reduction efficacy of fluoride via a community water supply." *Journal of Dentistry for Children*, 53(3):219-222, May-June 1986.

Fos PJ. "Is there anything good in our drinking water." *New Orleans Health and You*, Vol. 1, No. 1, February 1987.

Fos PJ. "Decision analysis in practice development." *Journal of General Dentistry*, 35(1):36-38, January-February 1987.

Fos PJ. "An alternative approach to prevention: computer-assisted education." *Journal of Dentistry for Children*, 55(1):43-46, January-February 1988.

McNulty JA and **Fos PJ.** "The study of caries prevalence in a developing country." *Journal of Dentistry for Children*, 56(2):129-136, March-April 1989.

Hankins RW and **Fos PJ.** "Objectives for a system of health care delivery for HIV-infected people." *Socio-economic Planning Sciences*, 23(4):181-193, 1989.

Fos PJ and McLin CL. "The risk of falling in the elderly: a subjective approach." *Medical Decision Making*, 10(3):195-200, 1990.

Alemi F, **Fos PJ** and LaCorte WS. "A demonstration of methods for studying negotiations between physicians and health care managers." *Decision Sciences*, 21(3):663-641, 1990.

Fos PJ. "The benefit of formal analysis in the sale of a dental practice." *Journal of Dental Practice Administration*, 7(4):156-159, 1990.

Fos PJ. "Third party payment management," in *Practice Management Compendium*, sponsored by Curtin & Pease Peneco, April 1991.

Fos PJ. "Marketing your medical practice," in *Practice Management Compendium*, sponsored by Curtin & Pease Peneco, April 1991.

Fos PJ. "Recruitment and Training," in *Practice Management Compendium*, sponsored by Curtin & Pease Peneco, April 1991.

Fos PJ. "Medical records and filing systems," in *Practice Management Compendium*, sponsored by Curtin & Pease Peneco, April 1991.

Fos PJ. "A method of teaching negotiation skill." *Journal of Health Administration Education*, 9(3):289-305, Summer, 1991.

Fos PJ, Petry FE and Kim B. "Applicability of expert systems to recipient protocols in kidney transplantation," *Proceedings of the Joint Europe-U.S.A. Conference on Artificial Intelligence and Expert Systems Applications*, October 1992.

Shook G and **Fos PJ**. "An environmental health weighted value tree for use in locating and assessing disaster relief and refugee camps." *Journal of Environmental Health*, 55(3):21-24,1993.

Fos PJ and Petry FE. "Expert systems in the health administration curriculum," *Journal of Health Administration Education*, 13(3):421-436, Summer 1995.

Clerkin D, **Fos PJ** and Petry FE. "A decision support system for hospital bed assignment," *Hospital and Health Services Administration*, 40(3):386-400, Fall 1995.

Anzalone DA, Anzalone, FL and **Fos PJ**. "High-density lipoprotein-cholesterol: determining hygenic factors for intervention," *Journal of Occupational and Environmental Medicine*, 37(7):856-861, July 1995.

Butcher AH, **Fos PJ**, Zúñiga MA and Panne, G. "Racial variation in cesarean sections rates: analysis of Medicaid data in Louisiana," *Journal of Public Health Management and Practice*, 3(2):41-48, 1997.

Pai J-Chang, Petry F and **Fos PJ**. "Employing simulation to optimize the number of operating rooms in hospitals," *Proceedings of the Medical Sciences Simulation Conference* , 36-42, 1997.

Houry D, Lacey J, Buckley J, Vigna F, and **Fos PJ**. "An expert systems approach to medical school admissions," *Journal of the Louisiana Medical Society*, Volume 149, 207-210, 1997.

Fos PJ, Fine DJ and Zúñiga MA. "Managerial epidemiology in the health administration curriculum," *Journal of Health Administration Education*, Vol. 16, No. 1, 1-11, 1998.

Zúñiga, MA, Carrillo-Jimenez, GT, **Fos PJ**, Gandek B and Medina-Moreno, MC. "Evaluaciòn del estado de salud con la Encuesta SF-36: resultados preliminares de su uso en México," *Salud Pùblica de México*, Vol. 14, No. 2, 110-118, 1999.

Fos, PJ and Zúñiga, MA. "Assessment of primary health care access status: an analytic technique for decision making." *Health Care Management Science*, 2(4):229-238, 1999.

Wong YW, **Fos PJ**, and Petry FE. "Combining the development of logistic regression and artificial neural network models: a strategy to take advantage of their relative strengths. Proceedings of the American Medical Informatics Association Symposium, 1999.

Lee JE, **Fos PJ**, Zúñiga, MA, Kastl PR, and Sung JH. "Assessing health-related quality of life in cataract patients: the relationship between utility and health-related quality of life measurement," *Quality of Life Research*, 9:1127-1135, 2001.

Breault JL, Goodall CR, **Fos PJ**. "Data mining a diabetic data warehouse: age is key predictor for bad glycemic control." *Family Medicine*, 34(7):542, 2002.

Breault JL, Goodall CR, **Fos PJ**. "Data mining a diabetic data warehouse." *Artificial Intelligence in Medicine*, 26 (1-2):37-54, 2002.

Lee JE, **Fos PJ**, Zúñiga, MA, Kastl PR, and Sung JH. "Health-related quality of life of cataract patients: cross-cultural comparisons of utility and psychometric measures." *Ophthalmic Epidemiology*, 10(3):177-191, 2003.

Wong, YW, **Fos PJ**, Petry FE. "Combining the performance strengths of the logistic regression and neural network models: a medical outcomes approach." *The Scientific World*, 3456-476, 2003.

Fos PJ, Miller DL, Amy BW, and Zuniga MA. "Combining the benefits of decision science and financial analysis in public health management: a county-specific budgeting and planning model," *Journal of Public Health Practice and Management*, 10(5):409-415, 2004.

Slezewski, M.L., Ranalli, D.N., Close, J.M., and **Fos, P.J.** "Validity and usability of a predictive index for sports-related dental injuries." *Pediatr Dent* 26 (2): 197, 2004.

Fos PJ, Lee JE, Lee JH, Zuniga MA, and Amy BW. "The role of quality improvement in disease management: a state-wide tuberculosis control success story." *Journal of Public Health Management and Practice*, 11(3):000-227, 2005.

Lee JE, **Fos PJ**, Zuniga MA, Lee JS, and Amy BW. "Relationship of cataract symptoms of pre-operative patients and vision-related quality of life," *Quality of Life Research*, accepted, 2005.

Breault JL, **Fos PJ**, Zuniga MA, Amy BW, and Lee JE. "Application of new knowledge to improve outcomes: combining data mining and decision analysis." *Medical Decision Making*, in review, 2005.

Technical Reports and White Papers

Fos PJ. *Louisiana Primary Care Access Report*, Louisiana Department of Health and Hospitals, February 1993.

Fos, PJ and Carrillo, G. *Ascension Parish Pilot Project: use of decision structuring models*, Louisiana Department of Health and Hospitals, Office of Public Health, Environmental Epidemiology, December 1994.

Fos, PJ and Fine DJ. *Leveraging information for success: a framework for the medical leader*. Medical Leadership Forum, Fall 2000.

Working Papers

Zúñiga, MA and **Fos, PJ**. "Priority Setting in health planning: a decision analytic approach," 2005.

Zuniga MA, **Fos PJ**, and Amy BW. "County public health capability assessment: an analytic technique for decision making," 2005.

Peer-reviewed Abstracts/Paper Presentations

"Applicability of expert systems to recipient protocols in kidney transplantations," Joint Europe-U.S.A. Conferences on Artificial Intelligence and Expert Systems Applications, October 1992 (with B. Kim and F. Petry).

"An expert system developed with incorporated uncertainty factors to determine treatment in cases of gastrointestinal bleeding." Joint Europe-U.S.A. Conferences on Artificial Intelligence and Expert Systems Applications, October 1992 (with K. Pearson and F. Petry).

"Overall Access to Hospital Care for the Underserved." American Public Health Association Annual Meeting, October 1993.

"Selection of Patients for Radiopaque plaques:an expert system consultant." Society of Medical Decision Making Annual Meeting, October 1993 (with F. Petry, M. Smith, and B.Haik).

"Selection Consultant for Autologous Bone Marrow Transplant." International Society for Technology Assessment in Health Care 10th Annual Meeting, June 1994 (with F.Petry, J. Ogle, and A. Miller).

"Primary Health Care Stakeholders' Preferences: A Decision Analytic Approach to Setting Priorities Among Louisiana Health Professional Shortage Areas." Health Services Research 11th Annual Meeting, June 1994 (with M. Zúñiga)

"An expert system to identify the short-term risk of a fall in a long-term care institutional population." Society of Medical Decision Making Annual Meeting, October 1994 (with W. Wong and F.E. Petry)

“Managed care in the United States and Cooperative Medical System in China: contrasts and similarities.” American Public Health Association 122nd Meeting, October 1994 (with N. Zhu and R. Magnani).

“A cost-quality-outcome model of acute hospital and subacute non-hospital care of ventilator-dependent elderly patients.” American Association for Advances in Health Care Research Annual Meeting, March 1995 (with J. Diaz and V. Thukral).

“Geographic and racial variations in cesarean section rates: an analysis of Medicaid and vital statistics data in Louisiana.” Health Services Research 12th Annual Meeting, June 1995 (with A.H. Butcher, G. Paine, and M.A. Zúniga).

“A method to assess primary care access.” Health Services Research 12th Annual Meeting, June 1995 (with M.A. Zúniga).

“Measuring cost-quality-outcomes for prolonged ventilation in elderly patients with decision meta-analysis models.” Health Services Research 12th Annual Meeting, June 1995 (with J. Diaz and V. Thukral).

“A computer-based hospital bed assignment consultant.” INFORMS Annual Meeting, September 1995 (with F.E. Petry and D. Clerkin).

“Patient satisfaction surveys: a performance assessment of two ambulatory care survey instruments.” Health Services Research 13th Annual Meeting, June 1996 (with M.A. Zúniga and D. Babo).

“Assessment of primary care health care access: a decision analytic approach.” Health Services Research 13th Annual Meeting, June 1996 (with M.A. Zúniga and P.G. Caviness).

“Establishment of population-based health status norms in Mexico: use of the SF-36 health survey.” 12th International Meeting of the International Society of Technology Assessment in Health Care, June 1996 (with M.A. Zúniga, G.T. Carrillo, and B. Gandek).

“Applications of decision analysis in environmental and public health planning.” Health Services Research 14th Annual Meeting, June 1997 (with G.T. Carrillo, L. White, and M.A. Zúniga).

“Eliciting values of stakeholders in HIV infection health care system development.” Health Services Research 14th Annual Meeting, June 1997 (with V. G. Valdmanis, and M.A. Zúniga).

“Measuring primary health care quality dimensions: how response scales influence optimum outcomes and predictors of quality.” American Public Health Association 128th Annual Meeting, November 2000 (with M.A. Zúniga).

“Data mining a diabetic data warehouse: younger age is a key predictor for bad HgbA1c values.” Society of Teachers of Family Medicine, April 2002 (with J. Breault and C. Goodall).

“Validation of the Spanish version of the Child Health Questionnaire,” American Public Health Association Annual Meeting, November 2002 (with M. Zuniga and G. Carrillo-Zuniga).

“Population-based county health assessment: The State of Mississippi experience,” AcademyHealth Annual Meeting, June 2003 (with M. Zuniga and B. Amy).

“Assessment of ambulatory care performance in private physician-owned medical practice in Merida, Yucatan, Mexico,” 5th International Conference on the Scientific Basis of Health Services: Global Evidence for Local Decisions, September 2003 (with M. Zuniga, M. Palma, and M. Moreno).

“Spatial analysis of CVD mortality in Tri-county Mississippi,” 18th National Conference on Chronic Disease Prevention and Control, February 2004 (with Lei Zhang and V. Kamali).

“Combining the benefits of decision science and financial analysis in public health management: a county-specific budgeting and planning model,” AcademyHealth Annual Meeting, 2004 (with Miller DL, Amy BW, and Zuniga MA).

“Relationship between ophthalmologic manpower and diabetic retinopathy,” American Public Health Association Annual Meeting, November 2004 (with Lee JE, Lee JH, Amy BA, and Ward W).

“Role of quality improvement in disease management: a state-wide tuberculosis control success story,” American Public Health Association Annual Meeting, November 2004 (with Lee JE, Lee JH, Zuniga MA, and Amy BA).

“Coordinating bioterrorism responses: a state public health perspective,” American Public Health Association Annual Meeting, November 2004 (oral presentation) (with Jones W, McNeill K, and Amy BA).

International, National, Regional Invited Presentations

“An analytical model of HMO and physician negotiations.” The Institute of Management Science/Operations Research Society of America (TIMS/ORSA) Joint National Meeting, May 1987.

“HMO-PPO-IPA contract negotiations; a little analysis goes a long way.” Pediatric Postgraduate Potpourri IV, December 1988.

"The role of health workers in the public sector." Louisiana Public Health Association Annual Meeting, April 1990.

"Decision theory and expert systems: watch out for the Tulane graduate of the tomorrow!" The New Health Paradigm: Trends and Turning Points, Health Systems Management Alumni Institute, April 1992.

"Options for health care delivery in the future." Southeastern University Department of Anesthesiology Chairmen Spring Meeting, May 1992.

"The future of medical care: costs and trends." The Southwestern Region Annual Meeting of Otolaryngology Administrators, June 1992

"The costs and costs effectiveness of wellness programs." The Acadiana Industrial Medicine (AIM) Kick-off Breakfast, June 1992.

"Louisiana primary care access plan update." The Louisiana Primary Care Association Tenth Annual Meeting and Continuing Education Conference, February 1993.

"Negotiation in the workplace." Mississippi Memorial Methodist Rehabilitation Hospital Management Series, May 1993.

"Louisiana primary care update." Louisiana Primary Care Association Eleventh Annual Meeting and Continuing Education Conference, February 1994.

"Hospital Data Analysis." Singing River Hospital Network Management Training Series, March 1995.

"The Bargaining Choice Model." Advanced Program for Hospitals, Health Systems, Group Practices, and Other Providers, September 1995.

"Managed Care: Friend or Foe?" American Society of Dentistry for Children 1996 Annual Meeting, October 1996.

"Health Care Reform and the Impact on the Practice of Dentistry," W. Harold Wirth Study Club 1996 Annual Meeting, October 1996.

"Causal Factors of Sports-related Traumatic Dental Injuries in Children and Adolescents," American Society of Dentistry for Children 1998 International Educational Symposium, July 1998.

"Health Care Delivery System in the United States," QuLi Forum on Health Care Reform, Jinan, Shandong Province, People's Republic of China, December, 2000.

"Health Care Insurance System in the United States," QuLi Forum on Health Care Reform, Jinan, Shandong Province, People's Republic of China, December, 2000.

“Management and Quality of Medical Care in the United States,” QuLi Forum on Health Care Reform, Jinan, Shandong Province, People’s Republic of China, December, 2000.

“Designing Health Care for Populations,” Health Policy Institute 2000-2001 Lecture Series, Health Policy Institute, Graduate School of Public Health, University of Pittsburgh, February 2001.

“Predicting Sports-related Dental Traumatic Injuries,” Department of Pediatric Dentistry and Developmental Sciences, School of Dental Medicine, University of Pittsburgh, February 2001.

“Predicting Sports-related Dental Traumatic Injuries,” World Congress of Dental Traumatology and Sports Dentistry, Boston, June 2001.

“What is Decision Science,” Mississippi Association of Public Health Physicians, Jackson, Mississippi, May 2003.

“Decision Science and Quality of Care,” Mississippi Association of Public Health Physicians, Jackson, Mississippi, May 2003.

“Basics of Epidemiology and Surveillance,” Mississippi State Department of Health Office of Epidemiology Annual Training Conference, Jackson, Mississippi, July 2003.

“The role of decision sciences in public health,” Mississippi Public Health Association Annual Meeting, Biloxi, Mississippi, September 2003.

“The cancer report card for the State of Mississippi,” Annual Meeting of the Mississippi Partnership for Cancer Prevention, Gulfport, Mississippi, October 2003.

“Social epidemiology: impact on disparities,” 2nd Annual Conference on Eliminating Health Disparities in Mississippi, Institute of Epidemiology and Health Services Research, Jackson State University, Jackson, Mississippi, October 2003.

Research Experience

Major Research Projects

Co-principal Investigator. Development of a computer self test of modifiable health risks for hospitalization, Rodale Press **\$8,000**, August 1984-May 1985

Co-principal Investigator. Design of a computer aid for clinical diagnosis of lower respiratory tract infections in children, National Institutes of Health (NIH), Bio-medical grants, **\$8,000**, January 1985-July 1986

Co-principal Investigator. Determination of the diagnostic factors in treating children with self-limiting diarrhea, Italian National Institute of Research, **\$8,000**, December 1985-May 1986

Project Director. Development of a computer arcade game to teach teenagers consequences of sexual decision making, Jewish Endowment Foundation, **\$10,000**, May 1986-July 1987

Project Director. Design and development of a computer aid for employers to choose health insurance plans, The Robert Wood Johnson Foundation (RWJF), **\$15,000**, July 1986-March 1987

Project Director. Design and development of a computer aid for the acquisition of medical practices by management entities, American Medical International (AMI), **\$5,000**, October 1986-July 1987

Co-principal Investigator. Identification of care regimens for HIV-infected people, National Institutes of Health (NIH), Bio-medical grants, **\$20,000**, July 1987-July 1990

Co-investigator. Develop health care delivery system planning for HIV-infected people in Louisiana, Health Resources and Services Administration (HRSA), **\$16,000**, October 1989-October 1990

Principal Investigator. Development of profiles of public health services and health indicators for the State of Louisiana, Louisiana Department of Health and Hospitals, Office of Public Health (OPH), **\$37,600**, July 1991-June 1992

Principal Investigator. Development of Primary Care Access Plan Report for the State of Louisiana, Department of Health and Hospitals. (DHH), **\$25,000**, February 1992-March 1993

Principal investigator. Development of a predictive index for sports-related dental traumatic injuries in children and adolescents, International Academy for Sports Dentistry (IASD), **\$6,000**, January 1998-September 1998.

Co-investigator. "International Training in Medical Informatics," to train a cadre of sub-Saharan African health scientists in medical informatics at the master's and doctoral level, Fogarty International, **\$623,930**, September 1999 to September 2001.

Co-Principal Investigator. Development of a comprehensive database and conducting a needs assessment for the blind and visually impaired community in New Orleans and the surrounding parishes, Baptist Community Ministries, **\$100,000**, October 2000 to September 2001.

Co-investigator. Assessment of the Purizer process with respect to treatment/disinfection of water, wastewater, and combined sewer overflows, Purizer Corporation, **\$169,000**, October 2000 to September 2001.

Co-investigator. "An Evaluation Program for the CENLA Medication Access Program (CMAP), Rapides Foundation, **\$422,915**, October 2001 to February 2002.

Principal Investigator. "Reducing Oral Health Disparities: Beyond Access to Care." Scored, not funded, National Institutes of Health (NIH), National Institute for Dental and Cranofacial Research (NIDCR), **\$752,481**, June 2002.

Scientific and Professional Societies

American Public Health Association
Association of State and Territorial Health Officer
Academy for Sports Dentistry
American Dental Association
Mississippi Public Health Association
Society for Medical Decision Making

Professional Activities

Member, Executive Council, American Society of Dentistry for Children, 1984-1987.

Trustee, Board of Trustees, American Society of Dentistry for Children, 1990-1996

Member, Nominating Committee, Delta Omega Honorary Public Health Society, July 1991-March 2002

Secretary-Treasurer, American Society of Dentistry for Children, 1992-1993

Vice-President, American Society of Dentistry for Children, 1993-1994

President-Elect, American Society of Dentistry for Children, 1994-1995

President, American Society of Dentistry for Children, 1995-1996

Interim Executive Director, American Society of Dentistry for Children, 1996-1998

Secretary, Eta Chapter, Delta Omega Public Health Honor Society, 1995

Vice-President, Eta Chapter, Delta Omega Public Health Honor Society, 1996

President, Eta Chapter, Delta Omega Public Health Honor Society, 1997

Executive Director, American Society of Dentistry for Children, 1998-2000

Member, Board of Directors, International Academy for Sports Dentistry, 2001-Present

Community Activities

Member, Headmaster's Council, Holy Cross High School, New Orleans, Louisiana (1990-1999)

Member, Local Committee, United States Olympic Track and Field Trials, New Orleans, Louisiana (1992)

Co-coordinator, Annual Wellness Fair, Holy Cross High School, New Orleans, Louisiana (1992-1993)

Member, Mayor Marc Morial's Transition Team, New Orleans, Louisiana (1994)

Member, Huntridge Teen Clinic, Las Vegas, Nevada (2002)

Member, Mississippi State Department of Health Preventive Block Grant Advisory Committee (2003-Present)

Grants Reviewer

Grants and Contracts, Veterans Administration

Grants and Contracts, Association of Schools of Public Health

Journal Peer-Review Referee

Journal of General Dentistry

Interfaces

Hospital and Health Administration Research

Medical Decision Making

Inquiry

Journal of Health Care Management

Jossey-Bass Publishers, a John Wiley and Sons Imprint

The American Journal of Managed Care

Quality of Life Research

Journal of Public Health Management and Practice

Honors and Awards

Fellow, American Society of Dentistry for Children, 1985

Member, Delta Omega Public Health Honor Society, 1988

Excellence in Teaching Award, Tulane University Medical Center, School of Public Health and Tropical Medicine, 1990-1991

Best Faculty Member Award, Executive Master of Health Administration Program, April 1993

Teaching Scholar Award, Tulane University Medical Center, 2000

Society of Teaching Scholars, Tulane University Medical Center, 2000

Presidential Certificate for Teaching Excellence for Senior Faculty Teaching Award in a Graduate or Professional Education Program, Tulane University, 2000

Presidential Certificate for Dissertation Director Award in a Graduate or Professional Education Program, Tulane University, 2001

Distinguished Service Award, American Society of Dentistry for Children, 2000

University, School, and Departmental Committees

Tulane University

Member, Tulane University Health Sciences Center, School of Public Health and Tropical Medicine, Grievance Committee, July 1990-June 1995

Chair, Tulane University Health Sciences Center, School of Public Health and Tropical Medicine, Grievance Committee, July 1992-June 1993

Member, Tulane University Health Sciences Center, School of Public Health and Tropical Medicine, Faculty Search Committee, July 1990-June 1991

Member, Tulane University Health Sciences Center, School of Public Health and Tropical Medicine, Curriculum Committee, July 1991-June 1992

Member, Tulane University Health Sciences Center, School of Public Health and Tropical Medicine, Doctoral Program Committee, July 1992- March 2002

Chair, Tulane University Health Sciences Center, School of Public Health and Tropical Medicine, Doctoral Program Committee, July 1995-June 1996)

Member, Tulane University Health Sciences Center, School of Public Health and Tropical Medicine, Ad Hoc Committee on Computing, July 1987-July 1993

Member, Tulane University Health Sciences Center, School of Public Health and Tropical Medicine, Committee on Information Systems and Technology, July 1993- March 2002

Member, Tulane University Senate Committee on Salary and Benefits, July 1992-June 1995

Member, Tulane University Health Sciences Center, Community Health Care Strategic Development Plan Task Force, April 1993-June 1995.

Vice-Chair, Tulane University Health Sciences Center, School of Public Health and Tropical Medicine, General Faculty, July 1993-June 1994.

Chair, Tulane University Health Sciences Center, School of Public Health and Tropical Medicine, General Faculty, July 1994-June 1995

Member, Tulane University Health Sciences Center, School of Public Health and Tropical Medicine, Council on Education of Public Health Site Visit Steering Committee, July 1993-June 1995

Member, Tulane University Health Sciences Center, School of Public Health and Tropical Medicine, Executive Faculty, July 1993-June 1995

Member, Tulane University Health Sciences Center, School of Public Health and Tropical Medicine, Council on Education of Public Health Site Visit Subcommittee on By-Laws and Constitution, July 1993-June 1995

Member, Tulane University Health Sciences Center Academic Planning Group, July 1994-September 1995

Member, Tulane University Health Sciences Center Strategic Planning Committee, January 1995-September 1995

Chair, Tulane University Health Sciences Center, School of Public Health and Tropical Medicine, Faculty Evaluation and Development Committee, July 1995-June 1996

President, Tulane University Health Sciences Center, School of Public Health and Tropical Medicine, Honor Board, July 1995-June 1996

Chair, Tulane University Health Sciences Center, School of Public Health and Tropical Medicine, General Faculty Nominating Committee, July 1995-June 1996

Chair, Tulane University Health Sciences Center, School of Public Health and Tropical Medicine, Department of Health Systems Management Student Affairs and Advising, July 1991-June 1992

Director, Tulane University Health Sciences Center, School of Public Health and Tropical Medicine, Department of Health Systems Management Doctoral Studies, July 1991-June 1996

Member, Tulane University Health Sciences Center, School of Public Health and Tropical Medicine, Department of Epidemiology Chair Search Committee, School of Public Health and Tropical Medicine, July 1997-July 1999

Member, Tulane University Health Sciences Center, School of Public Health and Tropical Medicine, Department of Epidemiology, Copes Endowed Chair Search Committee, School of Public Health and Tropical Medicine, July 1997-July 1999

Member, Tulane University Health Sciences Center, Chancellor's Teaching Excellence Selection Committee, School of Public Health and Tropical Medicine, July 1997-June 1998

Member, Tulane University Health Sciences Center, Senior Vice-President's Teaching Excellence Selection Committee, School of Public Health and Tropical Medicine, July 1998-March 2002

University Senator, Tulane University Faculty Senate, July 1998-June 2001

Member, Tulane University, Undergraduate Education Council, July 2000-March 2002

Member, Tulane University Health Sciences Center, School of Public Health and Tropical Medicine, Personnel and Honors Committee, July 2000-March 2002

Member, Tulane University Health Sciences Center, School of Public Health and Tropical Medicine, Executive Faculty, July 2000-March 2002

Member, Tulane University Health Sciences Center, School of Public Health and Tropical Medicine, Dean's Cabinet, July 2000-March 2002

Member, Tulane University, Committee on Educational Policy, July 2000-March 2002

Member, Tulane University Health Sciences Center, School of Public Health and Tropical Medicine, Department of Health Systems Management Faculty Governance Committee, July 2000-March 2002

Member, Tulane University, Murphy Institute of Political Economy Task Force, July 2000-March 2002

Chair, Tulane University Health Sciences Center, School of Public Health and Tropical Medicine, Department of Health Systems Management Admissions Committee, January 2001- March 2002

Member, Tulane University Health Sciences Center, School of Public Health and Tropical Medicine, Department of Health Systems Management Operations Committee, July 2000- March 2002

Member, Tulane University Health Sciences Center, School of Public Health and Tropical Medicine, Department of Health Systems Management Curriculum Committee, July 2000- March 2002

Member, Tulane University Health Sciences Center, School of Public Health and Tropical Medicine, Department of Health Systems Management Doctoral Committee, August 2001- March 2002

Member, Tulane University Health Sciences Center, School of Public Health and Tropical Medicine Council on Education of Public Health Accreditation Self-Study Committee (representative from the Department of Health Systems Management), July 2001- March 2002

University of Nevada Las Vegas

Chair, School of Dental Medicine Research Committee, March 2002 – December 2002

Member, School of Dental Medicine Faculty Search Committee, March 2002 – December 2002

Member, School of Dental Medicine Accreditation Committee, March 2002 – December 2002

Member, School of Dental Medicine Dean's Executive Committee, March 2002 – December 2002

Member, School of Dental Medicine Academic Affairs Committee, March 2002 – December 2002

Member, School of Dental Medicine Curriculum Committee, March 2002 – December 2002

Member, School of Dental Medicine Tenure and Promotion Committee, March 2002 – December 2002

Member, School of Dental Medicine Standards of Care Committee, March 2002 – December 2002

Member, School of Dental Medicine Chairs and Directors Committee, March 2002 – December 2002

Member, University of Nevada Las Vegas, Provost's Search Committee for Proposal Development Specialist, March 2002 – December 2002

The University of Southern Mississippi

Member, Executive Cabinet, July 2004-Present

Member, Graduate Faculty, July 2004-Present

Member, Academic Council, July 2004-Present

Member, Graduate Council, July 2004-Present

Member, iTech IT Board of Directors, January 2005-Present

Member, iTech IT Advisory Council, January 2005-Present

June 1, 2005