

## CURRICULUM VITAE

Asha Seth Kapadia, Ph.D  
2520 Robinhood, #403  
Houston, Texas 77005  
(713) 527-8948

## EDUCATION

Harvard University Cambridge, Massachusetts	Ph.D.	1969	Statistics
Massachusetts Institute of Technology, Cambridge, Mass	S.M.	1965	Industrial Management
Delhi University	MA	1959	Mathematical Statistics
Delhi University	BA ( Hons)	1957	Mathematics

## PROFESSIONAL EXPERIENCE

Emeritus Professor of Biostatistics, 2009 -

Professor of Biometry/Biostatistics and Management, Policy and Community Health, School of Public Health, The University of Texas, Health Science Center, Houston, Texas, 1984-

Visiting Professor Delhi University , India, July-Dec 2005-

Visiting Professor University of Hyderabad, India Dec 2005-

Professor of Preventive Dentistry, Dental Branch, University of Texas Health Science center, 1999-2005

Chair of Faculty, University of Texas, School of Public Health, 1996-1997.

Visiting Professor University of Juarez 1985-1992

Convener, Biometry Discipline, School of Public Health, The University of Texas, Health Science Center, Houston, Texas, 1990-1993.

Convener, Health Services Organization Module, School of Public Health, The University of Texas Health Science Center, Houston, Texas, 1982-1984.

Associate Professor of Biometry (with tenure), School of Public Health, The University of Texas Health Science Center, Houston, Texas, 1976-1984.

Adjunct Associate Professor of Mathematical Sciences, Rice University, Houston, Texas, 1977-1980.

Associate Professor of Quantitative Management Science (with tenure), College of Business Administration, The University of Houston, Houston, Texas, 1975-1976.

Visiting Assistant Professor of Biometry, School of Public Health, The University of Texas Health Science Center, Houston, Texas, 1975-1976.

Assistant Professor of Quantitative Management Science, College of Business Administration, The University of Houston, Houston, Texas, 1971-1975.

Arthur D. Little, Inc., Cambridge, Massachusetts. Member of the professional staff in the Management Sciences Division, 1969-1971.

Teaching Assistant to Professor F.M. Mosteller, Harvard University, Cambridge, Massachusetts, 1966-1968.

## **HONORS**

First in college at both master's and bachelor's level in Delhi University, 1957-1959.

Recipient of Government of India Scholarship for research, 1959-1963.

Sole recipient of Government of India, Overseas Scholarship, 1963.

Harvard University Scholarship, 1966.

Distinguished service award 1988 from the International Institute for Advanced Studies in Systems Research and Cybernetics and Society for Applied Systems Research, Baden-Baden, West Germany.

Outstanding Scholarly Contribution Award 1988 (with Dr. Lemuel Moye) at the 4th International Conference on Systems Research, Informatics and Cybernetics, Baden-Baden, West Germany.

University of Texas Health Science Center Faculty Internship, 1988.

Dean's Teaching Excellence List, 1989

John P. McGovern Outstanding Teacher Award, 1994

Peer Recognition for Outstanding Scholarship, 1994

Elected member International Statistics Institute, 1998

Who's Who in America 2003,2004,2005,2006,2007

## **PROFESSIONAL ACTIVITIES**

Member:   Operations Research Society of America.  
              American Statistical Association.

Reviewer: Operations Research, Decision Sciences, Management Science, OP Search, Bulletin of Mathematical Biology, Mathematical Review, Computers and Operations Research, National Science Foundation, National Center for Health Services Research.. National Eye Institute (NIH)

### **CONSULTANT AND COMMITTEES**

Department of Neurology, Baylor college of Medicine, 1999-2002

Department of Anesthesiology, Baylor College of Medicine, 1998-

M. D. Anderson Cancer Center 1993-.

U.S. Army - Health Care Planning Division, 1993.

Harris County Hospital District, 1991-.

Veterans Administration Hospital, Houston, Texas 1990-.2000

Veteran Administration Hospital, San Antonio, Texas 1988-90.

Department of Pulmonary Medicine, University of Texas Medical School at Houston, 1988-89.

Department of Gastroenterology, University of Texas School of Medicine 2004-

U.S. District Court, Houston, Texas, 1988-89.

Visiting Distinguished Professor, School of Engineering and Architecture University of Juarez Mexico, 1986-92.

Department of Anesthesiology, University of Texas Medical School at Houston, Houston, Texas 1985.

Arab Scientific Institute for Research and Transfer of Technology, Jerusalem, Israel, 1985.

Health Services Research and Review Study Section U.S. Department of Health and Human Services, Washington, D.C., 1982-1985.

Texas Institute for Research and Rehabilitation, Baylor College of Medicine, Houston, Texas, 1983-.1999

Veterans Administration Hospital, Little Rock, Arkansas, 1983-84.

Southwest Center for the Study of Hospitals and Health Care Systems, Houston, Texas, 1983-85.

Texas Department of Health, Bureau of Dental and Chronic Disease Prevention, 1983-2000.

University of Houston, Department of Electrical Engineering, 1974-1981.

Texas Attorney General's Office, 1978.

Metropolitan Life Insurance Company, New York, 1969-1971.

Equitable Life Insurance Company, New York, 1970-1971.

Federal Aviation Administration, Washington, D.C., 1969-1971.

Sea Land Corporation, Washington, D.C., 1970-1971.

International Telephone and Telegraph, New York, 1970.

ABT Associates, Cambridge, Mass., 1969.

### **UNIVERSITY AND COMMUNITY SERVICE**

Rai University System ( largest private university system in India) Appointed to Advisory Governing Council 2005-

Harris County Hospital District Foundation, Board of Directors, 2006-  
Planned Parenthood of South Texas, Member Board of Directors, 1998-2006

University of Texas School of Public Health, Chair Faculty Affairs Committee 1991-1992.

Chair School of Public Health CEPH accreditation committee.

University of Texas School of Public Health Accreditation Self Study: Chairperson 1988-1990.

University of Texas Health Science Center Houston Self Study for Accreditation Financial Resources Committee 1988-1990.

University of Texas, Health Science Center Houston Self Study for Accreditation Faculty Committee 1988-1990.

Member School of Allied Health Services Tenure Committee, 1980-2000.

Chair,Academic Advisory Committee, School of Allied Health, 1997-1998

School of Public Health representative to the University of Texas Health Science Center Interfaculty Council, 1983-1985, 1997-

Member of President Bulger's Task Force on Cost Effectiveness at the University of Texas Health Science Center, 1980-1987.

Member of Health Science Center Buildings and Renovation Committee, 1984.

Biometry and Health Services Organizations representative to School of Public Health Admissions Committee.

Harvard Radcliffe Admissions Committee - duties consist of interviewing and evaluating high school seniors in Houston area who apply for admission to Harvard and Radcliffe, 1975-present.

Massachusetts Institute of Technology - Education Counselor, duties consist of interviewing Memorial High School and High School for Health Professionals seniors who apply for admission to MIT. 1987-present.

Texas Department of Health, Division of Dental Health: Developed with Dr. Forthofer a sampling plan for testing school age children for prevalence of DMFS, 1983-1990.

Texas Institute for Research and Rehabilitation - Completed work on "Predicting Course of Treatment in a Rehabilitation Hospital: A Markovian Model," 1983. (with Dr. Vineberg and D.C. Rossi)

U.S. representative of the Working Group on Health Services Research of the European Operations Research Society 1986-.

Operations Research Society and the Institute of Management Science National Meeting in Houston - Arrangements Chairperson, 1982.

American Statistical Society, Annual Meeting in Houston - Chairperson Social Committee, 1980.

### **BOOKS PUBLISHED**

A Study of Air Traffic Control System Capacity by G. Raisback, B. Koopman, S. Lister and **A. Kapadia**. FAA publication, 1970.

Difference Equations with Public Health Applications, by L. Moye and **AS Kapadia**, Marcell Dekker Publishing, New York 2000.

Mathematical Statistics with Applications by **AS Kapadia**, W Chan and LA Moye Chapman and Hall -Marcell Dekker Publishing, New York , April 2005.

### **Grants**

PI " Model cultural and Linguistically Appropriate Service ( \$33, 934). Funded by the Lovelace Clinic Foundation. 2001( I devoted my time so a post graduate student Dr Martha Garcia could be paid to work on the grant)

PI " A report Card on health Care for Minority Populations Phase 2(\$75,000) . Funded by Michigan State University. 2002(( I devoted my time so a post graduate student Dr Martha Garcia could be paid to work on the grant

" An Innovative method to improve the impact of the Texas Oral Health Program ( 20%, Dr martin Hobdell from Dental School was PI). Funded by Texas Department of Health 2003.

” Measuring the Oral Disease Burden for Planning Services” ( 15%, Dr Martin Hobdell was PI).  
Funded by NIDCR 2004

### **Publications**

Manoop S. Bhutani,MD,FASGE,FACG,FACP, Vitor N. Arantes,MD, Jazbieh Moezzi,MD,  
Dharmendra Verma MD, **Asha Kapadia PhD**,et.al Histopathologic Correlation of  
Endoscopic Ultrasound Findings of Chronic Pancreatitis in Human Autopsies.  
Pancreas,2009

Indreshpal Kaur, Elizabeth R. Simons, **Asha S. Kapadia**, C. Mark Ott and Duane L. Pierson  
Effect of Spaceflight on the ability of monocytes to respond to Gram negative endotoxin.  
Clinical and vaccine Immunology, 2008

P Gotovtseva ; **Asha S Kapadia**; Michael H Smolensky; David R Lairson Optimal Frequency of  
Imiquimod (Aldara) 5% cream for the treatment of external genital warts in immunocompetent  
adults: a meta analysis by : Sexually Transmitted Diseases 2007

Dejian Lai, Jin Huang,Jan M Risser, **Asha S Kapadia** , Statistical Properties of Generalized Gini  
Coefficient with Application to Health Inequality Measurement, Social Indicators Research,  
2007

Dharmendra Verma, **Asha S Kapadia**, and Douglas G Adler. Pure versus mixed electrosurgical  
current for endoscopic biliary sphincterotomy: A meta –analysis of adverse outcomes.  
Gastrointestinal Endoscopy, 2007

Alan TN Tita, Beatrice J Selwyn, D Kim Waller, **Asha S Kapadia** & Sylvestre Dongmo.  
**Factors associated with awareness and practice of evidence-based obstetric care in an  
African setting.** British Journal of Gynecology, 2006.

Jaspaul S.Azad, **Asha Kapadia**, and Douglas G. Adler. Training in Endoscopic Ultrasound: A  
Survey of U.S.GI FellowshipProgram Directors. Gastrointestinal Endoscopy, 2006

S Khuwaja, B Selwyn, **A Kapadia**, S McCurdy, AB Khuwaja. Pakistani Muslim Adolescent  
Females Living in the United States of America: Stresses Associated with The Process of  
Adaptation to U.S. Culture (Accepted by the Journal of Immigrant Health).,2006

Dharmendra Verma MD, **Asha Kapadia** Ph. D, Glenn Eisen MD, and Douglas G. Adler EUS  
versus MRCP for detection of choledocholithiasis: A systematic review  
MD, Gastrointestinal Endoscopy 2006

Sanjeev Wasan, **Asha S Kapadia**, Douglas G Adler, EUS training and practice patterns among  
gastroenterologists completing training since 1993., Gastrointestinal Endoscopy,  
Dec; 62 (6) 914-20.2005.

Alan Tita, Beatrice J Selwyn; D Kim Waller; **Asha S Kapadia**; Sylvestre Dongmo, Awareness and Practice of Evidence Based Reproductive Interventions in Cameroon. A Population –Based Quantitative and Qualitative Study of Prevalence and Barriers to the Organization Bulletin of the World Health Organisation 2005

Tom Rodriguez, Victor R. Lavis , Janet C. Meininger, **Asha S. Kapadia** , Linda F. Stafford Substitution of Lithyronine at 1:5 Ratio for a portion of Levothyroxine: Effect on Fatigue, Symptoms of Depression, and working Memory versus Treatment with Levothyroxine Endocrine Practice, July/August, 2005

James X. Song, James T. Wassell, Asha Kapadia: Relative mortality for correlated lifetime data. Computational Statistics & Data Analysis 45(4): 849-864 (2004)

Chung-Chi Chang, Wenyaw Chan, **Asha S Kapadia**, The analysis of Recurrent Times: The Time Dependent Yule Approach Communications in Statistics, Vol 31, 2002

Escobar-Chaves, SL., Tortolero, S., Markham, C., Kelder, S., **Kapadia, A.** Violent Behavior Among Urban Youth Attending Alternative Schools. Journal of School Health 2002

Reynolds,S, **Kapadia,A.S** Leonard, L, and Ross, M Examining the Direct Costs and Effectiveness of Syphilis by Selective Screening and Partner Notification. Public Health Medicine December 2001

Jankovic, J, **Kapadia, A.S** Functional Decline in Parkinson's Disease Archives of Neurology, Vol 58,2001

Selvan, M.S., Ross, M.W., **Kapadia, A.S.**, Mathai, R. and Hira, S. Study of perceived norms, beliefs and intended sexual behavior among higher secondary school students in India. AIDS Care, 2001,

Timpson,S.C. Pollack, K.I , Williams, M.L, Ross,M, **Kapadia A.S,** et al Predictors of stages of change for condom use in crack cocaine users AIDS and Behavior Vol 5, 2001

Chan,W.,**Kapadia, A.S.** and Chuang,A. A Stochastic model of smoking behavior under a cessation program. Biometrical Journal, 2000

Wenker. O, Sheinbaum, R, Sati , H, Reyna R, and **Kapadia, A.S,** A Protinin use in patients undergoing thoracoabdominal aneurysmectomy. **Internet Journal of Anesthesiology**, Vol 4, No 4, 2000 ( This journal is peer reviewed by the Society of Advanced Telecommunication in Anesthesiology)

Felknor SA, Aday LA, Burau KD, Delclos GL, **Kapadia AS.** Safety climate and its association with injuries and safety practices in public hospitals in Costa Rica. International Journal of Occupational and Environment Health 6(1): 18-25,2000

**Kapadia, A.S,** Chan, W, Sachdeva, R, Moye, L.A, and Jefferson, L.S, Predicting Duration of stay in a Pediatric Care Unit: A Markovian Approach. European Journal of Operations

Research, 1999

Leonard, L, Ndiaye, I, **Kapadia**, A, et al, HIV Prevention Among Male Clients of Female Sex Workers in Kaolack, Senegal: Results of a Peer Education Program, to appear in AIDS Education and Prevention, 1999.

Lanier, C.A, Elliot, M.N, Martin, D.W, and **Kapadia**, A.S, Evaluation of an Intervention to Change Attitude Towards Date Rape in Journal of American College Health Vol 46, January 1998

Lanier, C., Elliott, Marc N., Martin, D., & **Kapadia, A.** (Spring, 1998). Evaluation of an intervention to change attitudes toward date rape. *College Teaching*. (46)2:76-78 (reprint).

Parsa, B.B, and **Kapadia**, A.S., Stress In Air Force Aviators Facing The Combat Environment Aviation Space and Environmental Medicine Vol 68, 1997

ElSouki, R., Chan, W., Geara, F., **Kapadia, A.S.**, Modeling The Survival of T-cell Lymphocytes Using Branching Processes with Random Number of Ancestors in Population Dynamics 1996

Calabro, K., Taylor, W., **Kapadia**, A.S., Pregnancy, Alcohol and the Effectiveness of Health Education Materials in Patient Education and Counseling 1996

Walts, L. and **Kapadia**, A.S. □Patient Classification System: An Optimization Approach, Health Care Management Review, 1996.

Moye, L.A., and **Kapadia**, A.S. "Prediction of Drought Length Extreme Order Statistics Using Run Theory" Journal of Hydrology 169,95-110,1995.

Pugh, J.A., Jacobsen J., VanHeuven, W.A.J., Watters A., Tuley M., Lairson, D.R., Lorimor R.J., **Kapadia**, A.S. and Valez R. "Screening for Diabetic Retinopathy in a Primary Care Setting: The Wide Angle Retinal Camera" Diabetic Care 16, No. 6, 889-895, 1993.

Lairson, D.R., Pugh, J.A., **Kapadia**, A.S., et al. "Cost Effectiveness of Alternative Methods for Diabetic Retinopathy Screening" Diabetic Care, 15, No. 10, 1369-1377, 1992.

Martin, R.J., **Kapadia**, A.S. et al. "Initial Interview and the Therapeutic Alliance" Journal of Houston Dental Society, 64, No. 5, 8-10, 1992.

Loewey, J., **Kapadia**, A., Hsi, B. and Davis, B.: "Statistical Methods that Distinguish between Attributes of Assessment: Prolongation of Life and Quality of Life" Medical Decision Making, 12, No. 2, 83-92, 1992.

Martin, B.J., Alcorn, J.D., **Kapadia**, A.S. and Kelt, A.M.: "Prevention and Control of Periodontal Disease: A Lifestyle Modification Model" Journal of Houston Dental Society, Sept, 1991.



Hollman, M., Loe, H. and **Kapadia** A.S. "Uncompensated Outpatient Medical Care" by Physicians' Medical Care, 29, No. 7, 654-659, 1991

Moye, L.A., **Kapadia**, A.S. and Cech, I.M. "A Prediction Model for Out Patients Visits and Cash Flow" The Statistician, 39, 399-414, 1990.

Moye, L.A. and **Kapadia**, A.S. "Decision Theory and the Dual Role of Aspirin" Advances in Systems Research and Cybernetics, 1990.

Lavery, M.A., Loewy, J.W., **Kapadia**, A.S., Nichaman, M.Z., Foreyt, J.P., and Gee, M. "Long-Term Follow-Up of Weight Status of Subjects in a Behavioral Weight Control Program" The American Dietetic Association, 89, No. 9, 1259-1264, 1989.

Yoon, G.Y., **Kapadia**, A.S., Canfield, M.A., Moffit K.B. and Mullen, P.D.: "Trends of Decline in Cardiovascular Mortality in Harris County, Texas, 1980 to 1986" Texas Medicine, 85, 27-31, 1989.

Gentilello, O.L., Thompson, D.A., Tonnesen, A.S., Hernandez, D., **Kapadia**, A.S., Allen, S.J., Houtchens, B.A., and Miner, M.E. "Effect of a Rotating Bed on the Incidence of Pulmonary Complications in Critically Ill Patients" Critical Care Medicine, 16, No. 8, 783-786, 1988.

Chiang, Y.K., Hardy, R.J., Hawkins, M.D. and **Kapadia**, A.S. "An Illness-Death Process with Time-Dependent Covariates" Biometrics, 45, 669-681, 1989.

**Kapadia**, A.S. and Hsi, B.P.: "A Pharmacokinetic Model of Sustained-Release Theophylline with Circadian Rhythmic Input and correlated with Pulmonary Function Response." Annual Review of Chronopharmacology, 5, 183-187, 1988.

Moye, L.A., **Kapadia**, A.S., Cech I.M., and Hardy, R.J. "The Theory of Runs with Applications to Drought Prediction" International Journal of Hydrology, 103, 127-135, 1988.

Chiang, Y.K., Hardy, R.J., Hawkins, C.M. and **Kapadia**, A.S.: "A Computer Program for an Illness-Death Process with Time-Dependent Covariates," Computer Programs in Biomedicine, 20, 249-260, 1985.

Miller, K.E., Lairson, D.R., **Kapadia**, A.S., and Kennedy, V.C.: "Estimates of the Demand for Care in a Free Standing Emergency Center." Inquiry, 22, 418-425, 1985.

**Kapadia**, A.S., Chiang, Y.K. and Kazmi, F.A.: "Finite Capacity Priority Queues with Potential Health Applications," Computers and Operations Research, 12, 411-420, 1985.

Allende-Rivera, C., **Kapadia**, A.S., Loe, H.D. and Grimes, R.M.: "The Decline of Ischemic Heart Diseases Mortality in Texas," Public Health, 99, 201-214, 1985.

**Kapadia**, A.S., Vineberg, S.E. and Rossi, C.D.: "Predicting Course of Treatment in a

Rehabilitation Hospital: A Markovian Model," Computers and Operations Research, 12, No. 459-469, 1985.

Mangaroo, J., Glasser, J.H., Roht, L.H., and **Kapadia**, A.S.: "Prevalence of Bone Dimineralization in the United States," Bone, 6, 135-139, 1985.

Schachtel, B.L. and **Kapadia**, A.S.: "Study of Association Between Mental Ability and Birth Characteristics in Low Birth Weight Developmentally Disabled Children," Public Health, 98:16-25, 1984.

**Kapadia**, A.S.: "Vergle; chende Analyse verschiedener Anasutze zu einer soziookonomischen Modellierung Von Gesundheitskystemeh," Gesundheits forschung, No. 79, 1983.

**Kapadia**, A.S., Kazmi, F.A. and Mitchell, A.C.: "Analysis of a Finite Capacity Non Preemptive Priority Queue," Computers and Operations Research, 11, 337-343, 1984.

Schachtel, B.L. **Kapadia**, A.S. and Holguin, A.: "An Epidemiologic Study of Association between Birth Weight and Mental Outcome of Children Assessed in a Developmental Disabilities Clinic," Public Health, 96:318-327, 1982.

Wolfson, J., **Kapadia**, A.S., Decker, M., Sears, A. and Roht, L.: "Effects of Cost-Sharing on Users of a State's Health Service Program," Medical Care, 20:1178-1187, 1982.

Wolfson, J., Sear, A., **Kapadia**, A.S., Decker, M. and Roht, L.: "Cost Sharing Why We Do Research," Medical Care, 20:1250-1251, 1982.

Gilson, G., Steele, J., Whitferd, M., Christensen, B. and **Kapadia**, A.: "Antimicrobial Resistance and Susceptibility in Five Bacterial Pathogens: A Comparison of Susceptibility Tests in 1974 and 1978," Journal of the American Veterinary Association, 6:665-668, 1982.

Gregor, P., Forthofer, R. and **Kapadia**, A.: "An Evaluation of Inventory and Transportation Policies of a Regional Blood Distribution System," European Journal of Operations Research, 10:106-113, 1982.

**Kapadia**, A.S. and McInnis, B.C.: "Distribution of Survival Times in the Fix and Neyman Model," Bulletin of Mathematical Biology, 44:587-591, 1981.

Asfour, S.A., McInnis, B.C. and **Kapadia**, A.S.: "Estimation of Markov Processes with Application to the Flow of Jobs in a Computer System," IEEE Transactions On Systems, Man and Cybernetics, 11:718-723, 1981.

Fineman, S. and **Kapadia**, A.S.: "An Analysis of the Logistics of Supplying and Processing Sterilized Items in Hospitals," in Computers and Mathematical Models in Medicine, Springer-Verlag, 300-312, 1980.

Emery, J.C., Donald, E.F., Sacks, E.J., **Kapadia**, A.S. and Smolensky, M.H.: "Medical

Barofunction Testing of Aviators with Otorhinolaryngologic Disease," Aviation, Space, and Environmental Medicine, 50, 1062-1066, 1979

McInnis, B.C., Asfour, S.A. and **Kapadia** A.S.: "On Stochastic Compartmental Modeling," Bulletin of Mathematical Biology, 41, 611-613, 1979.

**Kapadia**, A.S., Hsi, B.P., Smolensky, M.H. and McInnis, B.C.: "Application of Stochastic Processes to Data Arising from Cancer Treatment Trials," Estadistica, 121, 188-200, 1979.

Asfour, S.A., McInnis, B.C. and **Kapadia**, A.S.: "Stochastic Compartmental Modeling and Parameter Estimation with Application to Cancer Treatment Follow-Up Studies," Bulletin of Mathematical Biology, 41:203-215, 1979.

McInnis, B.C., Hsi, B.P. and **Kapadia**, A.S.: "A Stochastic Model of Port Elevator Capacity," Computers and Operation Research, 5, 213-215, 1978.

Fineman, S.J. and **Kapadia**, A.S.: "An Analysis of the Logistics of Supplying and Processing Sterilized Items in Hospitals," Computers and Operations Research, 5, 47-54, 1978.

**Kapadia**, A.S. and Hsi, B.P.: "Steady State Waiting Time in a Multi-Center Job Shop," Naval Logistics and Research Quarterly, 25:149-154, 1978.

**Kapadia**, A.S., Hsi, B.P. and Diamond, H.: "Renewal Processes with Restriction on Success Runs," SIAM Journal of Applied Mathematics, 33:575-580, 1977.

**Kapadia**, A.S. and McInnis, B.C.: "A Stochastic Compartmental Model and Parameter Estimation of Cancer Treatment Centers," Health System Modeling and the Information System for the Coordination of Research in Oncology. pp. 385-394, 1977.

Singhal, K. and **Kapadia**, A.: "Population Policy in India," Population Review, 20, 1975.

**Kapadia**, A.S.: "The Correlated Random Walk in Continuous Times II," invited paper in Kuala Lumpur Stock Exchange Gazette, January 1975.

McInnis, B.C., **Kapadia**, A.S. and Asfour, S.A.: "Stochastic Compartmental Modeling for Pharmacokinetics," Proceedings of 28th Alliance for Engineering in Medicine and Biology, September 1975.

McInnis, B.C., **Kapadia**, A.S. and Asfour, S.A.: "Analysis and Parameter Identification of Stochastic Compartmental Models," IEEE Proceedings, December 1975.

McInnis, B.C., **Kapadia**, A.S., Asfour, S.A. and Loo, T.L.: "Stochastic Compartmental Modeling of the Disposition of 5-(3, 3-Dimethyl-1-Triazolo) Imidazole-4-Carboxamide," Cancer Chemotherapy Reports, 4:843-845, 1975.

**Kapadia, A.S.:** "Random Walk in Continuous Time with Barriers," Canadian Journal of Statistics, 45-56, 1975.

**Kapadia, A.S.** and Sihghal, K.: "A Marketing Management Plan for Family Planning in India," Population Review, 19:51-57, 1975.

**Kapadia, A.S.:** "Generalized Correlated Random Walk and Success Runs with Restrictions," Proceedings American Institute of Decision Sciences, 1974.

**Kapadia, A.S.:** "An Invariant Property of Bulk Queues," Proceedings II Interamerican Conference on Systems and Informatics, Mexico City, Mexico, November 1974.

**Kapadia, A.S.:** "A K-Server Queue with Phase Input and Service Distribution," Operations Research, 21:623-628, 1973.

**Kapadia, A.S.:** "The General N Server Finite Queue," Journal of Applied Probability, 8:828-834, 1971.

**Kapadia, A.S.:** "National Policy, Technology and Economic Forces Affecting the Industrial Organization of Maritime Transportation," A.D. Little, Inc., Report, 1970.

**Kapadia, A.S.:** "A Queuing Model for Calculating Computer Throughput," A.D. Little, Inc., Report, 1969.

**Kapadia, A.S.:** "Memory Access Utilizations under Multi-Programming," A.D. Little, Inc., Report, 1969.

**Kapadia, A.S.:** "A Comparative Study of Queue Disciplines," Ph.D. Thesis, Harvard University, 1969.

**Kapadia, A.S.:** "Queuing with Special and General Service," Harvard University NS-122, 1968.

Gupta, H.C. and **Kapadia, A.S.:** "Random Walk in the Presence of Absorbing Barriers," Proceedings of the National Institute of Sciences of India, 32:472-480, 1966.

**Kapadia, A.S.:** "A Study of Variate Values at the Tails of a Statistical Distribution," Harvard University, NS-36, 1965.

**Kapadia, A.S.:** "A Traffic Flow Model with Service Rate Quadratic in Occupancy," M.S., Thesis, Sloan School of Management, M.I.T., 1965.

**Kapadia, A.S.:** "Marketing of Family Planning Products in India," Mass, Inst. of Technology - Research Project, 1965.



Research Design  
Outcomes Research

Frequently invited by area high school Math Clubs to give a talk on "Queuing Theory" and "Operations Research Applications in Health", 1983-.