

**CURRICULUM VITAE
OF
MOHAMMAD HOSSEIN RAHBAR, PhD**

**Professor of Epidemiology & Biostatistics
The University of Texas School of Public Health at Houston
Director, Biostatistics Design and Analysis Core
Center for Clinical and Translational Sciences
The University of Texas Health Science Center at Houston**

PERSONAL

Name: Mohammad Hossein Rahbar

Date of Birth: August 3, 1956

Citizenship: US

Marital Status: Married

Address (office): 6410 Fannin Street, Suite LL125
Houston, TX 77030

Telephone (cell): (517) 643-0941

Telephone (office): (713) 500-7901

Fax: (713) 500-0766

E-mail: Mohammad.H.Rahbar@uth.tmc.edu

UNIVERSITY EDUCATION

1984 - 1988 PhD in Statistics, Michigan State University (MSU), MI, USA

1978 - 1980 MS in Statistics, Shiraz University, Shiraz, Iran

1974 - 1978 BS in Statistics, Shiraz University, Shiraz, Iran

Shiraz University had an affiliation with University of Philadelphia, Pennsylvania in the 70's.

PROFESSIONAL BACKGROUND

- 2/1/08-Present: Professor of Epidemiology & Biostatistics
The University of Texas School of Public Health at Houston
Director, Biostatistics Design and Analysis Core
Center for Clinical and Translational Sciences
The University of Texas Health Science Center at Houston
- 4/1/05-1/31/08 Professor of Epidemiology (Biostatistics), and Adjunct Professor,
Statistics & Probability, and Director, MSU Clinical Epidemiology
Research & Training Center (CERTC), Canadian – USA Clinical
Epidemiology Network (CanUSACLEN)
- 2001- 3/31/05 Director, Data Coordinating Center
Professor of Epidemiology (Biostatistics), College of Human
Medicine, and Adjunct Professor, Statistics & Probability, MSU
- 2/1999 -9/2001 Professor & Head, Division of Epidemiology and Biostatistics,
Department of Community Health Sciences (CHS), AKU
- 1996 - 2001: Director, MSc. Epidemiology & Biostatistics Program, CHS, AKU
- 1997 - 2001: Professor of Biostatistics, CHS, AKU
- 1995 - 1996: Associate Professor of Biostatistics, CHS, AKU
- 1992 - 1994: Associate Professor of Statistics, Mathematics Department,
University of Wisconsin-La Crosse (UW-L). Note: (Promoted to
Professor of Statistics, Math Department, UW-L, July 1995)
- 1988 - 1991: Assistant Professor of Statistics, Math Department, UW-L
- 1988 -1994: Gundersen Medical Foundation, Biostatistical Consultant
- 1984 – 1988: Teaching Assistant in Statistics, Statistics & Probability, MSU,
Michigan, USA
- 1983 – 1984: Statistics Instructor, Math Department, Isfahan University of
Technology, Isfahan, Iran
- 1981 - 1983 Mandatory Military Services, Iran
- 1978 - 1980 Teaching Assistant, Math Department, Shiraz University, Iran.

PROFESSIONAL SOCIETIES AFFILIATIONS

- Statistical Editor: Journal of Pediatric Infectious Diseases
- Reviewer, Special Emphasis Panel, Office of Extramural Research, CDC National Center for Chronic Disease Prevention and Health Promotion, Study Section for Pregnancy Risk Assessment Monitoring System (PRAMS)
- American Statistical Associations
- International Clinical Epidemiology Network (INCLEN)
- Canadian – USA Clinical Epidemiology Network (CanUSACLEN),

TEACHING EXPERIENCE:

My philosophy in teaching is Problem Based Learning (PBL). I have tried various innovative teaching and learning methods through assignment of projects on real life problems as well as use of statistical packages. I have experience in teaching both at undergraduate and graduate levels. Since 1978, I have had an opportunity to teach the following courses in four universities with diverse student background.

- 1. Data Mining**
- 2. Survival Analysis**
- 3. Nonparametric Methods**
- 4. Logistic Regression**
- 5. Biostatistical Consulting**
- 6. Fundamentals of Biostatistics**
- 7. Principles of Epidemiology**
- 8. Advanced Epidemiology**
- 9. General Linear Models**
- 10. Design of Experiments**
- 11. Decision Theory**
- 12. Cost Effectiveness & Cost Analysis**
- 13. Sampling Techniques**
- 14. Protocol Writing**
- 15. Journal Club & Critical Appraisal**
- 16. Quantitative Research Methods**
- 17. Mathematical Statistics I & II**
- 18. Operations Research**
- 19. Calculus I, II, III**
- 20. Algebra; Trigonometry; Pre-Calculus**

COMPUTER SKILLS & STATISTICAL PACKAGES

I have taught the following computer software and statistical packages in my classes.

- MS Office
- SAS
- SPSS
- Minitab
- Epi-Info

ADDITIONAL INFORMATION

a) Experience during employment at The University of Texas Health Science Center at Houston

- Director, Biostatistics Design and Analysis Core, Center for Clinical and Translational Sciences (CCTS), The University of Texas Health Science Center at Houston, Feb. 1, 2008 – Present
- Professor of Epidemiology & Biostatistics
The University of Texas School of Public Health at Houston
The University of Texas Health Science Center at Houston, Feb. 1, 08 – Present

b) Experience during employment at Michigan State University

- Director, Data Coordinating Center, October 2001- March 31, 2005
- Director, MSU Clinical Epidemiology Research & Training Center (CERTC), Canadian – USA Clinical Epidemiology Network (CanUSACLEN), since 2002
- Chair, Data Coordinating Center’s Advisory Committee, 2001-2005
- Chair, Data Coordinating Center’s Operations Committee, 2001-2005
- Chair, Search Committee for Biostatistics position, DCC, 2004-2005
- Member, Great Lakes Cancer Institute Scientific Research Group, 2004-2006
- Advisory Board Member, MSU Statistical Consulting & Training Center, since 2004
- Member, Search Committee for Biostatistics position, Epidemiology, 2003, 2005
- Member of Tenure and Promotion Committee, July 2002 - present
- Member, Epidemiology Admission Committee, 2002-2003
- Chair, Graduate Admission Committee (PhD & Masters), Epidemiology, July 2003 – June 2004
- Chair, PhD thesis Committee, for Dr Azfar Siddiqi, Epidemiology (Successfully Completed in Dec. 2006)
- Chair, PhD thesis Committee, for Mr. Sangchoon Jeon, Epidemiology
- Chair, PhD thesis Committee, for Dr. Ali Artaman, Epidemiology
- Member of PhD Guidance Committee, for Dr M. Mokhtar Arshad, Large Animal Clinical Sciences (Successfully Completed in August 2006)
- Member, Executive Committee of CanUSACLEN, since 2003

c) **Experience during employment at the Aga Khan University**

- Head, Division of Epidemiology and Biostatistics, Feb. 1999 – September 2001
- Director, MSc. Program in Epidemiology & Biostatistics, 1996 - 2001
- Developed and implemented MSc. Program in Epidemiology & Biostatistics at AKU
- Supervised 11 graduate students in the MSc. Epidemiology as thesis supervisor
- Served as thesis committee member of 12 other students in MSc. Epidemiology
- Established a Biostatistical Consulting Center in CHS, AKU
- Established research collaboration with faculty members in the clinical and basic sciences departments at AKU, (See Publications).
- Developed and taught Biostatistics courses in the MBBS (MD equivalent) program.
- Developed and taught short courses in Biostatistics for residents and interns at AKU
- Developed and taught Epidemiology short courses in the Regional Training Program
- Developed and taught courses in the MSc. Epidemiology & Biostatistics at AKU
- Developed Biostatistics courses for the Preparatory Year Program at AKU
- Developed Academic Criteria for selection of Preparatory Year Program students
- Developed Biostatistics course for the BScN program at AKU School of Nursing
- Served as advisor to some undergraduate students at AKU

d) **Experience during employment at University of Wisconsin-La Crosse (UWL)**

- Developed and taught Statistics courses in the Math Department
- Developed and taught an advanced level Biostatistics course for the students and faculty members in the Physical Therapy program
- Developed and taught an advanced level course in statistics for graduate programs
- Established research collaboration with faculty members in various departments
- Served as statistician on Ph.D. dissertation of Pat Wilder in the Physical Therapy program at UW-Madison
- Served as statistician on Ph.D. dissertation of Margie Sinner in the Psychology program at UW-Madison
- Served as statistician on thesis committees of several students in various Master programs at UW-L

- Served as the advisor of several students at UW-L
- Served as the academic advisor of the international students at UW-L, 1991-1992

COMMITTEE MEMBERSHIP & ADMINISTRATIVE EXPERIENCE

- Chair, MSc. Epidemiology & Biostatistics Committee, 1996 - 2001
- Chair, Operations Subcommittee, Board of Graduate Studies, AKU, 2000 - 2001
- Coordinator of Research Publications in CHS, AKU, 1998 - 2001
- Member, Board of Graduate Studies at AKU, 1997 - 2001
- Member, Graduate Admission Committee at AKU, 1997 - 2001
- Member, Research Council at AKU, 1998 - 2001
- Member, Information and Technology Advisory Committee at AKU, 1998 - 2001
- Member, PhD Committee in Health Sciences at AKU, 1997 - 2001
Involved in development of course work as well as implementation of the program.
- Alternate member, Academic Council at AKU, since, 1997 - 2001
- Member, Examination and Promotion Committee at AKU, 1996 - 1998
- Member of an ad-hoc committee reviewing the Appointment and Promotion criteria at AKU, 1997- 1998
- Member, Faculty of Health Sciences Research Committee, AKU, 1997 - 2001
- Member, Admission Advisory Group, AKU, 1996 - 2001
- Member, Preparatory Year Program Committee, AKU, 1995 - 2001
- Served on the Planning and Program Review Committee, UW-L, 1990 - 1992
- Served on the Statistics Committee, Mathematics Department, UW-L, 1988 - 1994
- Served on the Merit Committee, Math Department, UW-L, 1989, 1994
- Served on the Physical Therapy Research Committee, UW-La Crosse, 1990 - 1994
- Served on the Environmental Science Committee, UW-L, 1994
- Served on the Library Committee, UW-L

RESEARCH GRANTS

Centers for Disease Control and Prevention (CDC/DHHS) “Data Coordinating Center for Autism & Other Disabilities.” 2004-2009 US \$3,000,000. Role: PI during 5/1/04 – 1/31/2008. (Role changed to Co-PI and PI of UTSPH subcontract during 2/1/08 – 4/30/2009 due to taking a new position at UTSPH at Houston)

National Institute of Health (NIH/NCI). “Reflexology: An Intervention for Advanced Breast Cancer” 6/01/05 – 5/31/10, US \$ 3,127,692 (Role: Co-Investigator/Statistician) Role changed to Consultant effective 2/1/08 due to taking a new position at UTSPH at Houston.

National Institute of Health (NIH/NCI) “Race/Socioeconomic Area Characteristics & Cancer-Detroit.” 2004-2006 US \$150,000 (Role: Co-Investigator)

National Institute of Health (NIH/NCI) “Automated Telephone Monitoring for Symptom Management.” 2003-2007 US \$ 4,038,617 (Role: Co-Investigator/Statistician)

National Institute of Child and Human development (NICHD): Training Program in Perinatal Epidemiology (T32), 5/1/05-4/30/10, (Role: Program faculty)

National Institute of Health (NIH/NICHD) “Etiologic Heterogeneity in Preterm Delivery.” 2002-2006 US \$ 5,241,835 (Role: Statistician)

National Institute of Health (NIH/NCI) “Family Home Care for Cancer – A Community Based Model.” 2003-2007 US \$2,961,924 (Role: Co-Investigator)

National Cancer Institute “ In-Depth Examination of Disparities in Cancer Outcomes.” 2004 – 2008 US \$1,630,646 (Role: Co-Investigator/Statistician)

Agency for Health Care Policy and Research “Use of Regression Models in Cost-Effectiveness Analysis” 2004 – 2007 US \$977,244 (Role: Co-Investigator)

National Institute of Health (NIH) Subcontract “Phase 1 Study of Thyroid Hormone in Prematures.” 2003-2005 US \$220,290 (Role: Co-Investigator/Statistician)

Michigan Department of Community Health “Multilevel Analysis of Medicaid Maternal and Infant Support Services in Michigan.” 2003-2004 US \$669,414 (Role: Co-Investigator/Statistician)

Health & Human Services US Dept of (HRSA) “Multi-level analysis of disparities in Preterm Delivery.” 2003-2004 US \$99,830 (Role: Co-Investigator/Statistician)

Agency for Health Care Policy and Research “Statistical Innovations for Cost-Effectiveness Analysis.” 2002-2004 US \$ 269,102 (Role: Co-Investigator)

Health & Human Services US Dept of (HRSA) “Using Multi-level Analyses to Explore Ethnic & Socioeconomic Disparities in Rates of Preterm Delivery.” 2002-2003 US

\$74,598 (Role: Co-Investigator)

Michigan Department of Community Health “Cancer Prevention 2002-2003.” 2002-2003 US \$50,530 (Role: Co-Investigator)

Health Resources and Services Administration “African American Women's Health Study: National Study Operation Plan.” 2001-2002 US \$101,427 (Role: Statistician)

NIH/Fogarty Reproductive Health grant, jointly between University of Alabama-Birmingham and department of CHS, AKU, on capacity building in Reproductive Health Research in Pakistan as the leading public health priority in the country. 2001-2006 US \$1.6 million over 5 years. (Role: Statistician)

John Snow Inc./Mother Care Project and USAID project aimed at training of reproductive health care providers, community-based information, education and communication campaign and establishment of a referral system from community to the hospital for women with pregnancy complications. Over US \$200,000 (Role: Co-Investigator)

Population Council New York, research grant entitled “Traditional Postpartum Practices, Perceived Postpartum Morbidity and Health Seeking Behavior: A community-based study in Karachi, Pakistan.” 2000 US \$11,677 (Role: Co-Investigator)

International Clinical Epidemiology Network (INCLEN) grant for capacity building in clinical epidemiology at the Aga Khan University, INCLEN funding, 2000 US \$9,886 (Role: PI)

WHO research grant entitled “Lead levels and sources of lead among the children living near Karachi, Pakistan.” 1998 US \$15,000 (Role: PI)

AKU Research Council grant entitled “Development of improved complementary feeding practices and foods in Pakistan: a baseline survey of care and feeding practices and their determinants.” 2000 US \$9819.50 (Role: Co-Investigator)

AKU Research Council grant entitled “Prevalence and factors associated with dental carries among children aged 12-14 years in District Bannu, NWFP, Pakistan.” 2000 US \$1800 (Role: Co-Investigator)

AKU Research Council grant entitled “The effect of counseling on level of Anxiety and Depression in poor urban women, Karachi, Pakistan.” 2000 US \$18,642 (Role: Co-Investigator)

AKU Research Council grant entitled “Determinants of periodontal disease among adults population of Bahawalpur, Punjab, Pakistan.” 2000 US \$2120 (Role: Co-Investigator)

AKU Research Council grant entitled “Risk factors for neonatal tetanus in Karachi: A Case-Control study.” 2000 US \$3,404 (Role: Co-Investigator)

AKU Research Council grant entitled “Risk factors for non-fatal Myocardial Infarction in young male adults (15-40 years) in Karachi: A Case-Control study.” 2000 US \$3,500 (Role: Co-Investigator)

Karachi Reproductive Health Project grant for conducting research entitled “Assessment of the Karachi reproductive Health Project's Program Effectiveness in improving female Sexual Health.” 1997 US \$65,000 (Role: Co-Investigator)

Aga Khan University seed grant entitled “Risk factors for intra-familial transmission of hepatitis C virus.” 1998 US \$9000 (Role: Co-Investigator)

Aga Khan University seed grant entitled “In urine citrate excretion genetically determined?” 1997 US \$10,000 (Role: Co-Investigator)

Aga Khan University seed grant entitled “Relationship between tumor markers with established predictors and nodal status in carcinoma of the breast.” 1996 US \$6000 (Role: Co-Investigator)

UW-L Faculty Research Grant entitled “Optimal Estimation of Regression Parameters using Censored Data with a Discrete Covariates.” 1994 US \$4,500 (Role: PI)

UW-L Faculty Research Grant entitled “Nonparametric Estimation of Regression Parameters using Censored Data with two discrete Covariates.” 1993 US \$4,000 (Role: PI)

UW-L Faculty Research Grant entitled “Sequential Fixed Width Confidence Intervals for Regression Parameters from Censored Data with a Discrete Covariate.” 1992 US \$3,500 (Role: PI)

UW-L Faculty Research Grant entitled “Nonparametric Estimation of Regression Parameters using Censored Data with a Discrete Covariate.” 1991 US \$3,000 (Role: PI)

UW-L Faculty Research Grant entitled “Sequential Estimation of Functionals of the Survival Curve under Random Censorship.” 1989 US \$2,500 (Role: PI)

PUBLICATIONS (PEER REVIEWED)

1. **Rahbar MH.** Sequential Estimation of Functionals of the Survival Curve under Random Censorship. *Sequential Analysis* 1990;9(2):137-150.
2. Flynn JM, Deering W, Goldstein M, **Rahbar MH.** Electrophysiological correlates of dyslexic subtypes. *J Learn Disabil* 1992;25(2):133-41.
3. Krueger T, **Rahbar MH.** Beta Stability and Return Explanatory Power in the Single Index Market Model and Variable Beta Model. *The Journal of the Midwest Finance Association* 1992;21:68-85.
4. Flynn JM, **Rahbar MH.** The Effects of age and gender on reading achievement: implications for pediatric counseling. *J Dev Behav Pediatr* 1993;14(5):304-7.
5. Krueger T, **Rahbar MH.** A Comparison of Single-Index and Multi-Index Models. *Southern Business Review* 1994;20(2):22-38.
6. Flynn J, **Rahbar MH.** The Effect of Age, Sex, Socioeconomic Status, and Kindergarten Screening Scores on Reading Achievement. *Proceedings of American Statistical Association 1993.* Winter Conference 1994;36:785-790.
7. Flynn J, **Rahbar MH.** Prevalence of Reading Failure in Boys Compared with Girls. *Psychology in the Schools* 1994;31(1):66-71.
8. **Rahbar MH.** Sequential Fixed Width Confidence Intervals for Regression Parameters from Censored Data with a Discrete Covariate. *Sequential Analysis* 1995;14(2):143-56.
9. **Rahbar MH,** Gardiner JC. Nonparametric Estimation of Regression Parameters using Censored Data with a Discrete Covariate. *Statistics and Probability Letters* 1995;24(1):13-20.
10. **Rahbar MH.** Stochastic Modeling: A Nonparametric Approach. Mathematical Modeling in the Undergraduate Curriculum. *Proceedings of the 1994 Modeling symposium at the University of Wisconsin-La Crosse* 1995, 98-106.
11. Krueger T, **Rahbar MH.** Explanation of Industry Returns Using the Variable Beta Model and the Lagged Variable Beta Model. *Journal of Financial and Strategic Decisions* 1995;8(2):35-45.
12. **Rahbar MH.** Nonparametric Estimation of Regression Parameters from Censored Data with Two Discrete Covariates. In: N.P. Jewell et al.(eds.), Lifetime Data: Models in Reliability and Survival Analysis. *Kluwer Academic Publisher, The Netherlands, 1996,* 257-262.

13. **Rahbar MH**, Bhutta ZA, Arif MA, Maqbool S, Akram DS, Bhutta TI, Anwer CM, Imran M, Fikree FF. National Neonatal Anthropometrics Study: Methodological Aspects of Centile Construction. *Proceedings of the fifth Islamic Countries Conference on Statistical Sciences, Malang, Indonesia*, 1996, Vol. 2, AP28. (ISBN: 979-508-948-X).
14. Flynn J, **Rahbar MH**, Bernstein AJ. Is there an association between season of birth and reading disability? *J Dev Behav Pediatr* 1996;17(1):22-6.
15. Ali AA, Iqbal MP, Hussain MA, Mehboobali N, Beg JA, **Rahbar MH**. Methotrexate in rheumatoid arthritis: a 2-year experience at a university hospital in Pakistan. *J Pak Med Assoc* 1998;48(1):3-6.
16. Flynn J, **Rahbar MH**. Kindergarten screening for risk of reading failure. *Journal of Psychoeducational Assessment* 1998;16:15-35.
17. Flynn J, **Rahbar MH**. Improving Teacher Prediction of Children at Risk for Reading Failure. *Psychology in the Schools* 1998;32(2):163-172.
18. NoorAli R, Luby SP, **Rahbar MH**. Does use of a government service depend on distance from the health facility? *Health Policy Plan* 1999;14(2):191-197.
19. Fikree FF, **Rahbar MH**, Berendes HW. Role of intrauterine growth retardation on physical growth of Pakistani squatter children from birth to 2 years of age. *J Trop Pediatr* 1999;45(6):338-44.
20. Akhtar S, Luby SP, **Rahbar, MH**. Risk behaviors associated with urethritis in prison inmates, Sindh. *J Pak Med Assoc* 1999;49(11):268-73.
21. Iqbal MP, Ali AA, Hussain MA, Mehboobali N, Waqar MA, Javed MH, **Rahbar MH**. Role of N-Acetyl-b-D-Glucosaminidase in the Diagnosis of Arthropathies. *Clinical Chemistry and Enzymology Communications* 1999;(8):167-73.
22. **Rahbar MH**, Gardiner JC. A Statistical Method for Measuring Cost-Effectiveness Ratio. *Proceedings of the Fifth Iranian Statistics Conference, Isfahan University of Technology, Isfahan, Iran*. August 22-24, 2000, 251-261.
23. Ahmed SE, **Rahbar MH**. Shrinkage and pretest nonparametric estimation of regression parameters from censored data with multiple observations at each level of covariate. *Biometrical Journal* 2000;42(4):511-525.
24. Fikree FF, **Rahbar MH**, Berendes HW. Risk factors for stunting and wasting at age six, twelve and twenty-four months for squatter children of Karachi, Pakistan. *J Pak Med Assoc* 2000;50(10):341-8.

25. Munim S, **Rahbar MH**, Rizvi M, Mushtaq N. The effect of grandmultiparity on pregnancy related complications: the Aga Khan University experience. *J Pak Med Assoc* 2000;50(2):54-8.
26. Haider SM, Merchant AT, Fikree FF, **Rahbar MH**. Clinical and functional staging of oral submucous fibrosis. *Br J Oral Maxillofac Surg* 2000;38(1):12-5.
27. Hozhabri S, Akhtar S, **Rahbar MH**, Luby SP. Prevalence of plasmodium slide positivity among the children treated for malaria, Jhangara, Sindh. *J Pak Med Assoc* 2000;50(12):401-5.
28. Akhtar S, Luby SP, **Rahbar MH**. Multivariate analysis of risk factors associated with genital ulcer disease among incarcerated males in Sindh. *J Pak Med Assoc* 2000;50(4):115-20.
29. Kamal RS, Atiq F, Khan FA, **Rahbar MH**. Oral Midazolam Prmedication in Children: A Comparison of Two Doses. *J Anaesth Clin Pharmacol* 2000;16(1):17-21.
30. Aziz SA, Pervez S, Khan S, Kayani N, Azam SI, **Rahbar MH**. Significance of immunohistochemical c-ErbB-2 product localisation pattern for prognosis in human breast cancer. *Pathol Oncol Res* 2001;7(3):190-6.
31. Aziz SA, Pervez S, Khan S, Kayani N, Azam SI, **Rahbar MH**. Case control study of prognostic markers and disease outcome in inflammatory carcinoma breast: a unique clinical experience. *Breast J* 2001;7(6):398-404.
32. Ahmed SE, **Rahbar MH**. Inference Concerning About a Process Capability. *Applied Statistical Science* 2001;5:119-131.
33. Luby S, Agboatwalla M, Raza A, Sobel J, Mintz E, Baier K, **Rahbar MH**, Qureshi S, Hassan R, Ghouri F, Hoekstra RM, Gangarosa E. A low-cost intervention for cleaner drinking water in Karachi, Pakistan. *Int J Infect Dis* 2001;5(3):144-50.
34. Akhtar S, Luby SP, **Rahbar MH**, Azam SI. HIV/AIDS knowledge, attitudes and beliefs based prediction models for practices in prison inmates, Sindh, Pakistan. *Southeast Asian J Trop Med Public Health* 2001;32(2):351-61.
35. Fikree FF, Khan A, Kadir MM, Sajan F, **Rahbar MH**. What influences contraceptive use among young women in urban squatter settlements of Karachi, Pakistan? *International Family Planning Perspectives* 2001;27(3):1-15.
36. White F, **Rahbar MH**, Agboatwalla M, Luby S, Iqbal A, Hozhabri S. Elevated blood lead levels in Karachi children. *Bull World Health Organ* 2001;79(2):173.

37. Luby SP, Agboatwalla M, Raza A, Sobel J, Mintz E, Baier K, Hoekstra RM, **Rahbar MH**, Hassan R, Qureshi SM, Gangarosa EJ. Microbiologic effectiveness of hand washing with soap in an urban squatter settlement, Karachi, Pakistan. *Epidemiol Infect* 2001;127(2):237-44.
38. Aziz SA, Pervez S, Khan S, Kayani N, **Rahbar MH**. Immunohistochemical cathepsin-D expression in breast cancer: correlation with established pathological parameters and survival. *Pathol Res Pract* 2001;197(8):551-7.
39. Aziz SA, Pervez S, Khan S, Kayani N, **Rahbar MH**. Relationship of p53 expression with clinicopathological variables and disease outcome: a prospective study on 315 consecutive breast carcinoma patients. *Malays J Pathol* 2001;23(2):65-71.
40. Bari A, Akhtar S, **Rahbar MH**, Luby SP. Risk factors for hepatitis C virus infection in male adults in Rawalpindi-Islamabad, Pakistan. *Trop Med Int Health* 2001;6(9):732-8.
41. Shah SM, Luby S, **Rahbar MH**, Khan AW, McCormick, JB. Hypertension and its determinants among adults in high mountain villages of the Northern Areas of Pakistan. *J Hum Hypertens* 2001;15(2):107-12.
42. **Rahbar MH**, Vellani C, Sajjan F, Zaidi AA, Akbarali L. Predictability of medical students' performance at the Aga Khan University from admission test scores, interview ratings and system of education. *Med Educ* 2001;35(4):374-80.
43. **Rahbar MH**, White F, Agboatwalla M, Hozhabri S, Luby S. Factors associated with elevated blood lead concentrations among children in Karachi, Pakistan. *Bull World Health Organ* 2002;80(10):769-775.
44. Hozhabri S, Luby SP, **Rahbar MH**, Akhtar S. Clinical diagnosis of Plasmodium falciparum among children with history of fever, Sindh, Pakistan. *Int J Infect Dis* 2002;6(3):233-235.
45. Akhtar S, Moatter T, Azam SI, **Rahbar MH**, Adil S. Prevalence and risk factors for intrafamilial transmission of hepatitis C virus in Karachi, Pakistan. *J Viral Hepat* 2002;9(4):309-14.
46. Aziz SA, Pervez S, Khan S, Kayani N, **Rahbar MH**. Epidermal growth factor receptor (EGFR) as a prognostic marker: an immunohistochemical study on 315 consecutive breast carcinoma patients. *J Pak Med Assoc* 2002;52(3):104-10.
47. Ali BS, **Rahbar MH**, Naeem S, Tareen AL, Gul A, Samad L. Prevalence of and factors associated with anxiety and depression among women in a lower middle class semi-urban community of Karachi, Pakistan. *J Pak Med Assoc* 2002;52(11):513-7.

48. Rathi SK, Akhtar S, **Rahbar MH**, Azam SI. Prevalence and risk factors associated with tuberculin skin test positivity among household contacts of smear-positive pulmonary tuberculosis cases in Umerkot, Pakistan. *Int J Tuberc Lung Dis* 2002;6(10):851-7.
49. Quddus A, Luby S, **Rahbar MH**, Pervaiz Y. Neonatal tetanus: mortality rate and risk factors in Loralai District, Pakistan. *Int J Epidemiol* 2002;31(3):648-53.
50. Given B, Given C, McCorkle R, Kozachik S, Cimprich B, **Rahbar MH**, Wojcik C. Pain and fatigue management: results of a nursing randomized clinical trial. *Oncol Nurs Forum* 2002;29(6):949-56.
51. Luby S, Agboatwalla M, Schnell B, Hoekstra RM, **Rahbar MH**, Keswick BH. The effect of antibacterial soap on impetigo incidence, Karachi, Pakistan. *Am J Trop Med Hyg* 2002;67(4):430-435.
52. Jafar T, Levey A, Jafary F, White F, Gul A, **Rahbar MH**, Khan A, Hattersley A, Schmid C, Chaturvedi N. Ethnic Subgroup Differences in Hypertension in Pakistan. *Journal of Hypertension* 2003; 21(5):905-912.
53. Aziz S, Pervez S, Khan S, Siddiqui T, Kayani N, Israr M, **Rahbar MH**. Case Control Study of Novel Prognostic Markers and Disease Outcome in Pregnancy/Lactation-associated Breast Carcinoma. *Pathology Research and Practice* 2003;199(1):15-21.
54. Usman HR, Akhtar S, **Rahbar MH**, Hamid S, Moattar T, Luby SP. Injections in health care settings: a risk factor for acute hepatitis B virus infection in Karachi, Pakistan. *Epidemiology and Infection* 2003; 130(2):293-300.
55. Emmanuel F, Akhtar S, **Rahbar MH**. Factors associated with heroin addiction among male adults in Lahore, Pakistan. *Journal of Psychoactive Drugs* 2003; 35(2): 219-226.
56. Ali BS, **Rahbar MH**, Naeem S, Gul A, Mubeen S, Iqbal A. The effectiveness of counseling on anxiety and depression by minimally trained counselors: a randomized controlled trial. *Am J Psychother* 2003; 57(3):324-36.
57. **Rahbar MH**, Sikorskii A, Gardiner JC. Regression analysis of medical costs with right censored data in the presence of discrete covariates. *Proceedings of the 2003 Joint Statistical Meetings-Biometrics Section-to include ENAR & WNAR*, 2003, pg. 3405-3410.
58. Gardiner JC, Sirbu CM, **Rahbar MH**. Update on statistical power and sample size assessments for cost-effectiveness studies. *Expert Rev. Pharmacoeconomics Outcomes Res.* 2004;4(1):89-98.
59. Given CW, Given B, **Rahbar MH**, Jeon S, McCorkle R, Cimprich B, Galecki A, Kozachik S, DeVoss D, Brady A, Fisher-Malloy MJ, Courtney K, Bowie E. The Effect of a Cognitive Behavioral Intervention on Reducing Symptom Severity During

Chemotherapy. *J Clin Oncol* 2004; 22(3):507-16.

60. Shah SM, Nanan D, **Rahbar MH**, Rahim M, Nowshad G. Assessing Obesity and Overweight in a High Mountain Pakistani Population. *Tropical Medicine and Int Health*, 2004; 9(4):526-32.
61. Fikree FF, Ali T, Durocher J, **Rahbar MH**. Health service utilization for perceived postpartum morbidity among poor women living in Karachi. *Social Science & Medicine*, 2004; 59(4):681-94.
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92. **Rahbar MH**, Jeon S, Gardiner JC. A Nonparametric Test for Equality of Survival Means (Undergoing revision)

93. **Rahbar MH**, Sikorskii A, Ahmed SE, Jeon S, Gardiner J. Shrinkage nonparametric estimation of mean survival time from censored data. (Undergoing revision)
94. Fisher-Hoch S, Whitney E, Crespo G, McCormick JB, Pérez A, Smith B, **Rahbar H**, Restrepo BI. Type 2 diabetes and drug resistant tuberculosis (*Submitted to Emerging Infectious Diseases*)
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96. Jeon S, **Rahbar MH**, Given CW, Gardiner JC. Factors associated with resolution of pain and fatigue among cancer patients undergoing chemotherapy in a nursing cognitive behavioral intervention. (*Submitted to Cancer Investigation*)

PRESENTATIONS:

a) (Invited Speaker)

Nonparametric modeling of the mean survival time in a multi-factor design based on randomly right-censored data. Presented to the faculty and staff at the New England Research Institute (NERI), Watertown, MA, May 2006

Epidemiology of Autism Spectrum Disorders: A Review. Presented to the faculty at the School of Public Health, The University Texas, Houston, February 2006

Factors Associated with Elevated Blood Lead Concentration among Children in Karachi, Pakistan. Presented to the faculty at the School of Public Health, The University Texas, Houston, December 2005

Faculty Research Enhancement in Health Sciences: Experience from Michigan State University. Presented to faculty at Virginia Commonwealth University, November 2005

Shrinkage Nonparametric Estimation of Mean Survival Time from Censored Data. Presented to faculty of Mathematics and Statistics, at University of Windsor, Canada, November 2005

Nonparametric modeling of the mean survival time in a multi-factor design based on randomly right-censored data. Presented to the Department of Community Medicine, Faculty of Medicine and Health Sciences at the United Arab Emirates University, Dubai UAE, May 22, 2004

Factors Associated with Elevated Blood Lead Concentration among Children in Karachi, Pakistan. Presented to the Institute of Pediatrics, Tashkent, Uzbekistan, February 8, 2004.

Elevated Concentrations of Blood Lead among Children in Karachi, Pakistan. Presented to the Michigan State University CASID-WID Friday Forum, East Lansing, MI, October 3, 2003.

Regression analysis of medical costs with right censored data in the presence of discrete covariates. Presented at the 2003 Joint Statistical Meetings-Biometrics Section-to include ENAR & WNAR, San Francisco, CA, August 3-6, 2003.

Factors Associated With Elevated Blood Lead Concentration Among Children in Karachi, Pakistan. Presented to the INCLLEN XIX Global Meeting, Kunming, China, February 19-22, 2003.

Role of Statistics and Epidemiology in Health Research. Presented to the Michigan State University Cardiology Grand Rounds, Lansing, MI., July 1, 2002.

Cost-Effectiveness Analysis when comparing different strategies for controlling hypertension: A simulation Exercise from Pakistan. Presented at the 13th Asian Pacific Cardiology Congress in Manila, October 3-6, 2001.

Estimation of Link Function Between Cost and Effectiveness Measures. Presented at the 7th Islamic Countries Conference on Statistical Sciences, Lahore, Pakistan, Jan. 2-5, 2001. (I also chaired the Biostatistics session).

A Statistical Method for Measuring Cost-Effectiveness Ratio. Presented at the 5th Iranian Statistical Conference, Isfahan, Iran, August 22-24, 2000.

Growth Standards for Pakistani Children during the first two years of life. Presented at the 7th Statistics Seminar at Karachi University, Karachi, Pakistan, March 8-10, 1999. (I also chaired the Biostatistics session).

Pretest Nonparametric Estimation of Regression Parameters From Censored Data. Presented at the 27th annual meeting of Statistics Canada, at the University of Regina, Canada, June 6-9, 1999. (I also chaired the Biostatistics session).

Nonparametric Estimation of Regression Parameters From Censored Data with a Continuous Covariate. Presented at the 28th Iranian Mathematical Conference, Tabriz University, Tabriz, Iran, March, 1997.

Status of epidemiology, biostatistics and public health activities in Pakistan. Presented at the Skemp-St. Francis-Mayo Clinic in La Crosse, Wisconsin, July 3, 1997.

b) Contributed Paper/Poster Presentations (Since 2000):

Nadeem N, Cantrill, Title L, Beydoun, Rahbar MH, Johnstone, O'Neill, Bata, Kirkland, Nassar. Relationship between Homocysteine, Folate and free fatty acids in Coronary

artery disease. Oral Presentation to the Canadian Cardiovascular Congress in Calgary 2004, Calgary, Canada, October 25, 2004.

Younus M, Arshad MM, Rahbar MH, Saeed AM. Trend analysis of Salmonella Enteritidis infection: Comparison of Michigan and National Estimates (1977-2001). Poster presentation at the Michigan Epidemiology Conference 2004, University of Michigan, Ann Arbor, MI, April 16, 2004.

Participated in the INCLLEN Global Meeting XX "Leveraging Research through Policy & Practice," Agra, India, February 11-14, 2004.

Doorenbos A, Given B, Given CW, Wyatt G, Gift A, Rahbar MH, Jeon S. Impact of end-of-life care for caregivers of individuals with cancer. Oral Presentation at the End of Life Seminar, East Lansing, MI, February 11, 2004.

Given CW, Given B, Doorenbos A, Rahbar MH, Jeon, S. Effects of a behavioral intervention on symptoms among depressed cancer patients undergoing chemotherapy. Presentation given at the Gerontological Society of American Conference, San Diego, CA, November, 2003.

Eyster J, Holzman C, Zhu BP, He JP, Rahbar MH, Rip M. Relationship between preterm delivery and community and maternal characteristics in urban Michigan settings: An example of hierarchical data analysis. Presented to the 131st Annual Meeting APHA, San Francisco, CA, November 15-19, 2003.

Shah SM, Rahbar MH. Assessing obesity and overweight in a high mountain Pakistani population. Poster presentation at the 3rd International Symposium on Obesity and Hypertension, Genetics and Molecular Mechanisms, Berlin, Germany, October 23-25, 2003.

Rahbar MH, Sikorskii A, Gardiner JC. Regression analysis of medical costs with right censored data in the presence of discrete covariates. Joint Statistical Meetings in San Francisco, August 6, 2003.

Arshad MM, Saeed AM, Stoltman G, Bidol S, Rahbar MH. Trends of Salmonella Sterotype from Humans and Non Human Sources in Michigan, 1995 - August 2002. Poster presentation at the 2003 Council of State and Territorial Epidemiologists (CSTE) Annual Conference "Practicing Epidemiology in Time of Change", Hartford, CT, June 24, 2003.

Given B, Given C, Bradley C, McCorkle R, Rahbar MH, Jeon S, Cimprich B, Kozachik S. Clinical Trial of Behavioral Intervention Results in Fewer Hospitalizations Among Cancer Patients Undergoing Chemotherapy. Presented at the 28th Annual Congress of the Oncology Nursing Society, Denver, CO, May 3, 2003.

Given B, Given CW, Cimprich B, McCorkle R, Rahbar MH, Jeon S, Kozachik S. The effect of a cognitive behavioral intervention on patient depression. Presented at the 7th Nat'l Conf. On Cancer Nursing Research, San Diego, CA, February, 2003.

Champion VL, Giesler RB, Given CW, Given B, Rawl S, Rahbar MH, Jeon S, McCorkle R, Cimprich B. Interaction between symptom severity and emotional quality of life among cancer patients: Results of a randomized trial. In S. Rawl (Chair), Exploring the link between HRQL and depression in cancer: Research of the Behavioral Cooperative Oncology Group. Symposia conducted at the meeting of the International Society for Quality of Life Research, Orlando, FL, November, 2002.

Given B, Given CW, McCorkle R, Cimprich B, Kozachik S, Rahbar MH. Randomized clinical trials of a nursing intervention to manage symptoms for patients during chemotherapy. Presented at the Advancing Nursing Practice Excellence: State of the Science conference, Washington, DC, September, 2002.

Holzman C, Zanella A, DeVos E, Rahbar MH, Zhou S, Leece C, The Prematurity Study Group. Low Morning Cortisol In Mid-Pregnancy Is Linked To Psychosocial Indices Of Uncertainty. Presented to 4th World Congress on Stress, Edinburgh, Scotland, September 12-15, 2002.

Given BA, Scholnik A, Given CW, Patterson P, Rahbar MH, Sherwood PR. Primary Care Providers' Attitudes About Cancer Clinical Treatment Trials. Presented to Randomized Clinical Trials Phase II Advisory Group Meeting, East Lansing, MI, September 4, 2002.

Given BA, Given CW, McCorkle R, Cimprich B, Kozachik S, Rahbar MH, Wojcik C. Pain and fatigue management: Results of a nursing randomized clinical trial. Presented at Oncology Nursing Society 27th Annual Congress, Washington, D.C, April 18-21, 2002.

Traditional Practices, Morbidity and Care Seeking Among 525 Recently Delivered Women in Low Socio-Economic Settlements of Karachi. Presented at the 2nd Annual Population Conference. Population Association of Pakistan, Islamabad, 31 Oct–02 Nov, 2001.

Prevalence of and factors associated with elevated blood pressure in an urban community of Karachi, Pakistan. Presented at the 17th INCLLEN Global Meeting in Bangkok, Oct. 15-18, 2000.

Factors associated with unawareness about elevated blood pressure in an urban community of Karachi, Pakistan. Presented at the 17th INCLLEN Global Meeting in Bangkok, Oct. 15-18, 2000.