

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

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

PERSONAL

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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 Pennsylvania-Philadelphia, 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/Epidemiology/Research Design 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

- Editor-in-Chief, American Journal of Autism (AJA), since January 2012
- Statistical Editor: Journal of Pediatric Infectious Diseases
- Member, Hispanic Health Research Center Community Advisory Board
- 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)
- Member, American Statistical Associations
- Member, International Clinical Epidemiology Network (INCLLEN)
- Executive Committee Member, Canadian – USA Clinical Epidemiology Network (CanUSACLEN)
- Member, Maternal and Perinatal Health Research and Reproductive Epidemiology Advisory Group (MAPREG), World Health Organization (WHO), Geneva
- NIH-NCRR Clinical and Translational Sciences Awards, Biostatistics Epidemiology, Research Design (BERD) Key Functions Committee, member 2008-present; Evaluations Task Force, member 2008-present; Online Resources Task Force; member 2010-present
- Served as a Reviewer for 2003 Non-Formula Grants, Pennsylvania Final Performance Review 2009
- Served as a Reviewer for 2008 Non-Formula Grants, Pennsylvania Interim Performance Review 2009
- Member, Houston Area Chapter American Statistical Association (HACASA)
- Served as a Reviewer for Agency for Healthcare Quality Research (AHRQ) Developing Evidence to Inform Decisions about Effectiveness Research Network-2 (DEcIDE-2) Review 2010
- Member, External Advisory Committee for an NIMH funded project, “Study of Health Outcomes in Children with Autism and Their Families”.
- Member of Environmental Epidemiology of Autism Research Network at Autism Speaks

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 five universities with diverse student background.

- 1. Advanced Design and Analysis Methods in Epidemiology**
- 2. Data Mining**
- 3. Survival Analysis**
- 4. Nonparametric Methods**
- 5. Logistic Regression**
- 6. Biostatistical Consulting**
- 7. Fundamentals of Biostatistics**

8. **Principles of Epidemiology**
9. **Advanced Epidemiology**
10. **General Linear Models**
11. **Design of Experiments**
12. **Decision Theory**
13. **Cost Effectiveness & Cost Analysis**
14. **Sampling Techniques**
15. **Protocol Writing**
16. **Journal Club & Critical Appraisal**
17. **Quantitative Research Methods**
18. **Mathematical Statistics I & II**
19. **Operations Research**
20. **Calculus I, II, III**
21. **Algebra; Trigonometry; Pre-Calculus**

COMPUTER SKILLS & STATISTICAL PACKAGES

I have taught the following statistical packages in my classes.

- SAS
- SPSS
- Minitab
- Epi-Info

ADDITIONAL INFORMATION

- a) **Experience during employment at The University of Texas Health Science Center at Houston**
 - Director, Biostatistics/Epidemiology/Research Design 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
 - Member of the Search Committee for Director of Biostatistics Division
The University of Texas School of Public Health at Houston
The University of Texas Health Science Center at Houston, 2008 – 2009
 - Member of Planning Committee for the UTSPH concentration in Global Health
 - Member of Planning Committee for the UTSPH concentration in Clinical and Translational Sciences

- Member, UTHSC-H CCTS Institutional Data and Safety Monitoring Board, 2008-Present
- Member, UTHSC-H CCTS/CRU Scientific Partners Advancing Research Kick-off (SPARK)
- Served as a member of the advisory group to Community Participation Core of the CCTS
- Served as a statistical consultant to several investigators on campus

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). Currently he is employed by the CDC.
- Chair, PhD thesis Committee, for Mr. Sangchoon Jeon, Epidemiology at MSU. Currently he is employed by Yale School of Nursing as Associate Research Scientist
- 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 UV-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

List of MSc Epidemiology Students who Graduated, Their Thesis Topics, and My Role

Name	Thesis Topic	My Role
Dr. Shaheena Akbani	Factors leading to irrational drug prescribing in general practitioners of Karachi	Thesis Supervisor
Dr. Abdul Wahid Bhurt	Prevalence of gynecological morbidities in Rural Jamshoro, Sindh	Thesis Committee Member
Dr. Farid-ul-Hasnain	Prevalence and risk factors for stunting, wasting and underweight among children under 5	Thesis Supervisor
Dr. Sarah Jamil	Determinants of unsafe abortion in three squatter settlements of Karachi	Thesis Committee Member
Dr. Arshad Quddus	Neonatal tetanus incidence of mortality and risk factors, district Loralai, Balochistan	Thesis Committee Member
Dr. Abdul Bari	A case-control study of risk factors associated with serological evidence of hepatitis c virus infection in Islamabad-Rawalpindi	Thesis Committee Member
Dr. Bilal Iqbal	Factors associated with the cognitive competence of children ages 4 to 5 in Karachi, Pakistan	Thesis Supervisor
Dr. Ashrafunnisa A. Karim	Factors associated with unawareness of elevated blood pressure among Ismaili-Muslims in Karachi, Pakistan	Thesis Supervisor
Dr. Azfar-e-Alam Siddiqi	Risk of development of clinical tuberculosis among infected individuals identified by a single blood PCR test	Thesis Supervisor
Dr. Siroos Hozhabari	Prevalence and predictors of Malaria among febrile children attending the rural health center Jhangara in Sindh	Thesis Supervisor
Dr. Faran Emmanuel	A matched case control study of factors associated with heroin addiction among male adults in Lahore, Pakistan	Thesis Committee Member
Dr. A. Latif Tareen	Anthropometric assessment of nutritional status in children under 5 years of age in district Quetta, Balochistan	Thesis Supervisor
Dr. Haroon R. Afridi	Prevalence and factors associated with elevated blood pressure among age 15 and above in Federally Administered Tribal Areas of Pakistan	Thesis Supervisor
Dr. Suresh Kumar Rathi	Factors for transmission of mycobacterium tuberculosis infection among household contacts of smear-positive pulmonary tuberculosis cases in Umerkot, Sindh	Thesis Committee Member
Dr. Fazal Ather	Risk factors of nosocomial infections in patients with diabetes admitted to medical, surgical and intensive care units of a tertiary care hospital of Karachi, Pakistan	Thesis Committee Member
Dr. S. Arif Hussain	Utilization of government health services and factors associated with choice of health care provider by mothers and children in Peshawar	Thesis Supervisor
Dr. G. H. Akhund	To assess the extent of, and factors influencing individuals' choice for, utilization of health facilities in a rural community of District Dadu, Sindh, Pakistan	Thesis Supervisor
Ms. Naila Baig Ansari	Care and feeding practices and their association with stunting among young children residing in Karachi's squatter settlements	Thesis Supervisor
Dr. Hussain Raza Usman	A case-control study of risk factors for acute hepatitis B virus infection in Karachi, Pakistan	Thesis Committee Member
Dr. Ahsan Raza	Risk factors for neonatal tetanus in Karachi: a matched case control study	Thesis Committee Member
Ms. Tazeen Saeed Ali	Prevalence and factors associated with postpartum morbidities among Muslim married mothers during postpartum period in squatter settlements of Karachi, Pakistan	Thesis Supervisor
Dr. Ali Artaman	Exposure to oxygen and phototherapy during the perinatal period and their potential effects on acute lymphocytic leukemia	Thesis Supervisor
Dr. Sangchoon Jeon	Analysis of factors associated with time to resolution of pain and fatigue among cancer patients with multiple symptoms in a cognitive behavioral intervention group	Thesis Supervisor

Fei Xue	Fish Consumption and Maternal Hair Mercury levels in Relation to the Risk of Preterm Delivery	Thesis Committee Member
Dr. Muhammad Younus	Salmonella Enteritidis infection in Michigan (1995-2001): Incidence and risk factor analysis	Thesis Committee Member
Jianling Wang	Factor analysis as an approach to summarizing placental vascular pathology findings and their relation to preterm delivery	Thesis Committee Member
Veronika Skorokhod	Vaginal bleeding during the first 20 Weeks of pregnancy and risk of preterm delivery	Thesis Committee Member

List of PhD Epidemiology Students who Graduated, Their Dissertation Topics and My Role

Name	Dissertation Topic	My Role
Dr. Sangchoon Jeon	Evaluation of time to response in system management interventions for pain and fatigue experienced by cancer patients	Primarily as PhD Supervisor but my Role changed to Dissertation Committee Member when I left MSU to join UTHSC-Houston
Dr. Azfar Siddiqi	Factors associated with patient attrition: findings from two clinical trials of cognitive behavioral interventions	PhD Supervisor
Dr. Muhammad Younus	Risk factors for sporadic non-typhoidal Salmonella infections in Michigan children: a population-based case-control study	Dissertation Committee Member
Dr. Hussain Raza Usman	Randomized Controlled Trial of Low Cost Interventions to Reduce Childhood Immunization Dropouts in Pakistan	Dissertation Committee Member

Graduate Students at UTSPH

Name	School/Degree Sought/Major	My Role
Ana Sanchez Carrasco	School of Public Health, MSc. Epidemiology	Thesis Committee Member, 2009
Amber Trickey	School of Public Health, PhD, Epidemiology	Faculty Advisor, 2008-2009 Dissertation Supervisor, 2009-2012
Sultan Neslihan Karabulut	School of Public Health, MSc., Epidemiology	Faculty Advisor, 2008-2010
Zachary Franco	School of Public Health, MSc. Epidemiology	Faculty Advisor, 2010
Jannise Elrod	School of Public Health, MSc., Health Policy Research	Thesis Committee Member, 2009-2010
Ayika Emenike	School of Public Health, MSc.,	Thesis Committee Member, 2008-2010
Ashley Lowery	School of Public Health, MPH, Health Policy Research	Thesis Committee Member, 2009-2010
Aisha Dickerson	School of Public Health, PhD Epidemiology	Faculty Advisor, 2010-present
Jun Ying	School of Public Health, MSc. Epidemiology/Biostatistics	Thesis Supervisor, 2010-2012
Robert Reynolds	School of Public Health, PhD Epidemiology	Faculty Advisor, 2010-2012 Dissertation Committee Member, 2012-present
Farhaan Vahidy	School of Public Health, PhD Epidemiology	Faculty Advisor, 2011-present Dissertation Supervisor, 2012-present

New Course Development and Teaching at the UTSPH

I developed and taught the following course in Spring Semesters of 2009-2011: Advanced Design and Analysis Methods in Epidemiology.

This course is designed for advanced MS and PhD students at the UTSPH.

My Teaching Evaluations by Students

During the past 20 years I have taught biostatistics and epidemiology courses and trained at least 20 Epidemiology graduate students (MSc and PhD) in three different institutions. My student evaluations in all these three institutions classify me as an excellent to an outstanding teacher.

RESEARCH GRANTS

P01-AR052915 Overall PI: Reveille (10% effort)
 PI of Core B (Data Management and Statistical Core: Rahbar 9/1/12-8/30/17
 NIH/NIAMS \$163,390

Design and Data Analysis Core (DDAC) for Genetics and Ankylosing Spondylitis (AS) Pathogenesis

The overall theme of this P01 research project is to further characterize the genetic basis of AS that will be explored by 4 projects. The investigators of these four projects in the P01 program project application will be supported by experienced biostatisticians and epidemiologists from the BERD component of the Center for Clinical and Translational Sciences (CCTS) at the University of Texas Health Science Center at Houston (UTHealth), in partnership with faculty in the Division of Epidemiology, Human Genetics, and Environmental Sciences at the University of Texas School of Public Health at Houston. CCTS-BERD will collaborate with the investigators on the proposed projects by leveraging resources to provide study design, data management, and statistical support.

PI of Data Management and Statistical Core

1 R21 HD057808-01A1 PI: Rahbar 06/01/2009-12/31/2012 (No-cost extension)
 NIH/Fogarty International Center \$104,000 (Each Year)

Epidemiological Research on Autism in Jamaica

The University of Texas Health Science Center at Houston (UTHSC-H) will collaborate with a team of multidisciplinary researchers in the Faculty of Medical Sciences at The University of the West Indies (UWI), Mona Campus, to develop and evaluate the capacity for creating a database of genetic and phenotypic information in Jamaica among ASD cases and their family members. We will provide research training and enhance the infrastructure to support future large-scale epidemiologic research on ASD in Jamaica. We will also conduct pilot work to set the stage for conducting future population-based etiologic studies of autism in Jamaica, with a particular focus on genetic and environmental factors including heavy metals and other environmental contaminants and their potential interactions.

W81XWH-08-C-0712 PI: Rahbar 09/15/2008-3/15/2013 (30% effort)
 US Army Institute of Surgical Research \$4,631,319 (Each Year)

Data Coordination Center (DCC) for a Prospective, Observational, Multi-center Massive Transfusion Trial (PROMMTT)

The purpose of this project is for the Center for Clinical and Translational Sciences (CCTS) at The University of Texas Health Science Center at Houston (UTHSC-H) to serve as the Data Coordination Center (DCC) for a Prospective, Observational, Multi-center Massive Transfusion Trial (PROMMTT) which involves at least 10 major trauma research centers in the United States. The PROMMTT-DCC will provide comprehensive administration including the establishment and management of a Consortium of at least

10 clinical sites and the coordination of data collection, data management and statistical analysis activities to achieve the overall objectives of this project.

5 P50 NS044227-07 PI: Grotta 03/01/2008-04/30/2013 (16.9% effort)
NIH/NINDS \$1,136,922

University of Texas Specialized Program in Acute Stroke (UT SPOTRIAS)

This program is a renewal of The University of Texas Health Science Center at Houston Specialized Program in Translational Research in Acute Stroke. This program includes implementation of two clinical trials in stroke patients. This program also includes 3 Cores (Clinical, Data, and Tissue) to support these clinical and translational studies, as well as a Career Development Program to train new investigators to carry out future translational studies.

Role: PI of Data Core (5 P50 NS044227-07-18565)

5 UL1 RR024148-03 PI: McPherson 09/30/2006-06/30/2017 (15.0% effort)
NIH/NCRR/NCATS \$4,428,094

Center for Clinical and Translational Sciences (CCTS)

This is one of the first 12 Roadmap CTSA awards, which were designed to transform clinical research at academic institutions. The award funds the Center for Clinical and Translational Sciences (CCTS). The goal of the CCTS is to facilitate clinical and translational research at The University of Texas Health Science Center at Houston, The University of Texas M. D. Anderson Cancer Center, and the Memorial Hermann Hospital System, by providing resources and expert advice to investigators.

Role: Director, Biostatistics/Epidemiology/Research Design (BERD) Core, CCTS

1 R21 CA135669-01A1 PI: Ybarra 07/01/2009-06/30/2012
NIH-Internet Solutions for Kids, Inc. \$8,587

Smoking Cessation via Text Messaging: Feasibility Testing of STOMP USA

The purpose of this research is to design and test SMS (Stop My Smoking) USA, a cell-phone based smoking cessation program for young adults ages 18-25. This innovative smoking cessation program uses technology widely adopted by young adults, an under-targeted population, to deliver a proactive, cognitive behavioral therapy (CBT)-based intervention.

Role: Subcontractor PI and Biostatistician

1 R21 AI079624-01A1 PI: Restrepo 09/16/2009-08/31/2012
NIH/NIAID \$155,057

Uncontrolled Diabetes, Immune Dysregulation and Tuberculosis

The long term goal is to understand the mechanisms explaining the association between TB and DM, to develop new recommendations for improved management and prevention of TB in DM patients. Our ability to propose studies on diseases that affects millions of patients worldwide rests on our access to a population of TB patients where 36% present DM, and

marrow mononuclear cells in stroke patients. The data from these proposed experiments are essential to begin developing this new therapeutic approach to enhance recovery from stroke.
Role: Co-Investigator/Statistician

Investigator Initiated Trial PI: Rhoads, J. Marc 08/01/2010-07/31/2012 (3% effort)
Mead Johnson

Effect of *Lactobacillus rhamnosus* GG (LGG) on Infant Crying

Our specific aims are to determine in premature low birth weight (LBW) infants if LGG supplementation to the infant formula will (1) reduce Barr diary crying time; (2) change the composition of intestinal microbiota; and (3) reduce intestinal inflammation, as determined by fecal calprotectin. We predict furthermore that LGG supplementation will facilitate its establishment as an important component of the neonatal intestinal microbial community.
Role: Co-Investigator

R01 NS070888-01A1 PI: Sheikh 04/01/2011-02/29/2012 (10% effort)
NIH \$377,518

Non-invasive Imaging to Quantify Peripheral Nerve Injury and Repair in Clinic

The objectives of this project include: to establish in vivo DTI-based techniques of imaging intact peripheral nerves in humans; and to establish in vivo DTI-based techniques of imaging peripheral nerve degeneration and regeneration in traumatic peripheral nerve disorders in humans. The goal of the proposed studies is to collect normative data in controls and apply it to patients with complete nerve injuries undergoing nerve repairs.

Role: Co-Investigator/Statistician

R01 (Kim) 09/01/11 – 08/31/16 (2% effort)
NIH \$2,257,088

Mitral Value Dynamic Analysis and Potential Clinical Applications

Mitral valve (MV) repair is the preferred treatment in patients with MV insufficiency. The unsolved problem in MV repair surgery is predicting which repair is optimal for each patient. The principal aim of this project is to develop a novel computational technique combining 3-D echocardiography with finite element (FE) and fluid-structure interaction (FSI) analyses to evaluate the effects of MV morphology (normal vs. diseased valves, and pre- vs. post-repair) on MV function.

Role: Co-Investigator/Statistician

U54 Subcontract (Lindsell/McPherson) 04/01/2011 – 03/31/2012 (2% effort)
NIH/NCRR/University of Cincinnati \$81,600

Leveraging biostatistics to speed clinical testing of therapeutic strategies

This project is to develop a suite of educational modules, both electronic and paper based, about Bayesian adaptive clinical trial design. The modules will be based around the real case of a clinical trial in acute heart failure that is being designed to answer questions about which treatments work best for which patient phenotypes. Modules will be developed

geared towards the interests of several key stakeholder groups: regulatory bodies, funding agencies, data managers, methodologists and investigators.

Role: PI of the UT Health Subcontract/Co-Investigator

5 U10 DD000007-04 PI: Reed Co-PI: Rahbar 2/1/2008 - 5/30/2009 (10% effort)
CDC/DHHS

Data Coordinating Center for Autism & Other Disabilities. 2004-2009

\$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 senior faculty position at UTSPH at Houston)

2 P20 MD000170-06 PI: McCormick 3/1/2008 - 2/28/2013 (2% effort)
NIH/NCMHD

Center of Excellence for Diabetes in Americans of Mexican Descent

This project will conduct research on the physiological progression of diabetes and its complications among Mexican Americans and develop diabetes prevention strategies and test innovative approaches to effective intervention in minorities.

Role: Senior Statistician of Administrative Core; will oversee statistical analysis for all cores.

Contract # 2008-0276741-001. PI: Reininger 4/1/2008 - 10/31/2008 (2% effort)
Texas Department of State Health Services

Department of State Health Services (DSHS) Evacuation Assessment

This project will identify the special needs population within Cameron, Hidalgo and Willacy Counties in South Texas who will need assistance in being evacuated in case of emergency.

Role: Senior Statistician and Co-Investigator

R34 PI: Marian 12/01/2011-11/30/2014 (8% effort)
NIH

Hypertrophy Regression with N-Acetylcysteine in Hypertrophic Cardiomyopathy (HALT_HCM)

The primary objective is to perform a pilot study in patients with hypertrophic cardiomyopathy (HCM) to establish safety and gather the pre-requisite data for subsequent robust randomized placebo-controlled efficacy studies with N-acetylcysteine (NAC). We will gather data on recruitment, accrual, retention and compliance rates of HCM patients randomized to treatment with a placebo or two escalating doses of NAC. Likewise, we will determine any potential side effects and estimate the effect size of NAC on indices cardiac hypertrophy.

Role: Co-Investigator/Statistician/PI of the Data Core

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 (INCLIN) grant for capacity building in clinical epidemiology at the Aga Khan University, INCLIN 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 caries 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)

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6. Krueger, T. M. and **Rahbar, M. H.** Explanation of Industry Returns Using The Variable Beta Model and Lagged Variable Beta Model. *Journal of Financial and Strategic Decisions*, **1995**, 8: 35-45
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8. **Rahbar, M. H.** and Gardiner, J. C. Nonparametric estimation of regression parameters from censored data with a discrete covariate. *Statistics & probability letters*, **1995**, 24: 13-20
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129. Vahidy, F. S., **Rahbar, M. H.**, Lal, A. P., Grotta, J. C., Savitz, S. I. Patient Refusal Of Thrombolytic Therapy For Suspected Acute Ischemic Stroke. *International Journal of Stroke* . **2012**. [Epub ahead of print]

CONFERENCE PROCEEDINGS

1. Flynn, J. M., **Rahbar, M. H.** The Effect of Age, Sex, Socioeconomic Status, and

- Kindergarten Screening Scores on Reading Achievement. Proceedings of American Statistical Association 1993-Winter Conference 36(785), 790. **1994**.
2. **Rahbar, M. H.** Stochastic Modeling: A Nonparametric Approach. Mathematical Modeling in the Undergraduate Curriculum. Proceedings of the 1994 Modeling symposium at the University of Wisconsin-La Crosse, 98-106. **1995**.
 3. **Rahbar, M. H.**, Bhutta, Z. A., Arif, M. A., Maqbool, S., Akram, D. S., Bhutta, T. I., Anwer, C. M., Imran, M., Fikree, F. F. National Neonatal Anthropometrics Study: Methodological Aspects of Centile Construction. Proceedings of the fifth Islamic Countries Conference on Statistical Sciences, 2, AP28. Malang, Indonesia, **1996**.
 4. **Rahbar, M. H.**, Gardiner, J. C. A Statistical Method for Measuring Cost-Effectiveness Ratio. Proceedings of the Fifth Iranian Statistics Conference , 251-261. Isfahan University of Technology, Isfahan, Iran. August 22-24. **2000**.
 5. **Rahbar, M. H.**, Sikorskii, A., Gardiner, J. C. 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 , 3405-3410. **2003**.
 6. Siebert, JE., Holland, TL., Sharp, SJ., Bonner, DJ., Kuhn, ME., Marable, kL., Thompson, PA., Artaman, A., **Rahbar, M. H.** Information System Design for the National CADDRE Study. International Meeting for Autism Research . Seattle, WA. **2007**.
 7. **Rahbar, M. H.**, Talebi, H., Sangchoon, J. A Nonparametric Method for Assessment of Interactions in a Multi-factor Design with Censored Data. 9 th Iranian Statistics Conference. 9 th Iranian Statistics Conference , 510-523. Isfahan, Iran, University of Isfahan. **2008**.

Book Chapters

1. Desai, S. S., Rahbar, E., **Rahbar, M. H.**, and Mowatt-Larsen, E. Biostatistics. In Clinical Review for the USMLE Step 1. Durham, NC., Surgisphere Corporation. **2012**.
2. Desai, S. S., Rahbar, E., **Rahbar, M. H.**, and Mowatt-Larsen, E. Biostatistics. In Clinical Review of Phlebology and Venous Ultrasound. Durham, NC., Surgisphere Corporation. **2012**.

PUBLICATIONS (In Press)

1. Lai, D., Kuang-Chao, **Rahbar, M. H.**, Moyé, L. Optimal Allocation of Sample Sizes to Multicenter Clinical Trials. *Journal of Biopharmaceutical Statistics* . **2012. (In Press)**
2. Sahota, P., Vahidy, F., Nguyen, C., Bui, T-T., Yang, B., Parsha, K., Garrett, J., Bambhroliya, A., Barreto, A., Grotta, J., Aronowski, J., **Rahbar, M. H.**, Savitz, S. Changes in Spleen Size in Patients with Acute Ischemic Stroke: A Pilot Observational Study. *Brain*. **2012. (In Press)**
3. Ybarra, M. L., Holtrop, J. S., Prescott, T., **Rahbar, M.H.**, Strong, D. Pilot RCT results of Stop My Smoking (SMS) USA: a text messaging-based smoking cessation program for young adults. *American Journal of Public Health*. **2012. (In Press)**

PRESENTATIONS

a) (Invited Speaker)

1. Knowledge, Attitude, and Practices of General Practitioners in Karachi, Pakistan. The University of the West Indies, Mona, September 9, 2010.
2. Elements of Research. The University of the West Indies, Mona, Jamaica, September 9, 2010.
3. A Nonparametric Method for Assessment of Interactions in a Multi-factor Design with Censored Data. UTSPH Biostatistics Seminar, March 31, 2009.
4. 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
5. Epidemiology of Autism Spectrum Disorders: A Review. Presented to the faculty at the School of Public Health, The University Texas, Houston, February 2006
6. 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
7. Faculty Research Enhancement in Health Sciences: Experience from Michigan State University. Presented to faculty at Virginia Commonwealth University, November 2005
8. 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

9. Factors Associated with Elevated Blood Lead Concentration among Children in Karachi, Pakistan. Presented to the Institute of Pediatrics, Tashkent, Uzbekistan, February 8, 2004.
10. 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.
11. Role of Statistics and Epidemiology in Health Research. Presented to the Michigan State University Cardiology Grand Rounds, Lansing, MI., July 1, 2002.
12. 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.
13. 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).
14. 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).
15. 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).
16. Nonparametric Estimation of Regression Parameters From Censored Data with a
17. Continuous Covariate. Presented at the 28th Iranian Mathematical Conference, Tabriz University, Tabriz, Iran, March, 1997.
18. 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) Conference Presentations

1. **Rahbar, M. H.**, White, F., Agboatwalla, M., Hozhabri, S., Luby, S. Factors associated with elevated blood lead concentrations in children in Karachi, Pakistan. **2003**. Kunming, China. INCLIN XIX Global Meeting, February 19-22, 2003. NA

2. Given, B., Given, C. W., McCorkle, R., Kozachik, S., Cimprich, B., **Rahbar, M. H.**, Wojcik, C. Pain and fatigue management: results of a nursing randomized clinical trial. **2002**. Washington, D.C. Oncology Nursing Society 27th Annual Congress, April 18-21, 2002.
3. Given, B., Scholnik, A., Given, C. W., Patterson, P., **Rahbar, M. H.**, Sherwood, PR. Primary Care Providers' Attitudes About Cancer Clinical Treatment Trials. 2002. East Lansing, MI. Randomized Clinical Trials Phase II Advisory Group Meeting, September 4, 2002.
4. Holzman, C., Zanella, A., Devos, E., **Rahbar, M. H.**, Zhou, S., Leece, C., The Prematurity Study Group. Low Morning Cortisol In Mid-Pregnancy Is Linked To Psychosocial Indices Of Uncertainty. 2002. Edinburgh, Scotland. 4th World Congress on Stress, September 12-15, 2002.
5. Given, B., Given, C. W., McCorkle, R., Cimprich, B., Kozachik, S., **Rahbar, M. H.** Randomized clinical trials of a nursing intervention to manage symptoms for patients during chemotherapy. 2002. Washington, DC. Advancing Nursing Practice Excellence: State of the Science conference, September, 2002.
6. Champion, V. L., Giesler, R. B., Given, C. W., Given, B., Rawl, S., **Rahbar, M. H.**, Jeon, S., McCorkle, R., Cimprich, B. Interaction between symptom severity and emotional quality of life among cancer patients: Results of a randomized trial. 2002. Orlando, FL. Symposia conducted at the meeting of the International Society for Quality of Life Research, November, 2002.
7. Given, B., Given, C. W., Cimprich, B., McCorkle, R., **Rahbar, M. H.**, Jeon, S., Kozachik, S. The effect of a cognitive behavioral intervention on patient depression. 2003. San Diego, CA. 7th Nat'l Conf. On Cancer Nursing Research, February, 2003.
8. Given, B., Given, C. W., Bradley, C., McCorkle, **R.**, **Rahbar, M. H.**, Jeon, S., Cimprich, B., Kozachik, S. Clinical Trial of Behavioral Intervention Results in Fewer Hospitalizations Among Cancer Patients Undergoing Chemotherapy. 2003. Denver, CO. 28th Annual Congress of the Oncology Nursing Society, May 3, 2003.
9. Arshad, M. M., Saeed, A. M., Stoltman, G., Bidol, S., **Rahbar, M. H.** Trends of Salmonella Sterotype from Humans and Non Human Sources in Michigan, 1995 - August 2002. 2003. Hartford, CT. Council of State and Territorial Epidemiologist (CSTE) Annual Conference "Practicing Epidemiology in Time of Change", June 24, 2003.

10. Shah, S. M., **Rahbar, M. H.** Assessing obesity and overweight in a high mountain Pakistani population. 2003. Berlin, Germany. 3rd International Symposium on Obesity and Hypertension, Genetics and Molecular Mechanisms, October 23-25, 2003.
11. Eyster, J., Holzman, C., Zhu, B. P., He, J. P., **Rahbar, M. H.**, Rip, M. Relationship between preterm delivery and community and maternal characteristics in urban Michigan settings: An example of hierarchical data analysis. 2003. San Francisco, CA. 131st Annual Meeting APHA, November 15-19, 2003.
12. Given, C. W., Given, B., Doorenbos, A. Z., **Rahbar, M. H.**, Jeon, S. Effects of a behavioral intervention on symptoms among depressed cancer patients undergoing chemotherapy. 2003. San Diego, CA. Gerontological Society of American Conference, November, 2003.
13. Younus, M., Arshad, M. M., **Rahbar, M. H.**, Saeed, A. M. Trend analysis of Salmonella Enteritidis infection: Comparison of Michigan and National Estimates (1977-2001). 2004. Ann Arbor, MI. Michigan Epidemiology Conference 2004, University of Michigan, April 16, 2004.
14. Nadeem, S. N., Cantrill, R., Title, L. M., Beydoun, H., **Rahbar, M. H.**, Johnstone, D. E., O'Neill, B. J., Bata, I., Kirkland, S., Nassar, B. A. Relationship between Homocysteine, Folate and free fatty acids in Coronary artery disease. 2004. Calgary, Canada. Canadian Cardiovascular Congress in Calgary 2004, October 25, 2004.
15. Doorenbos A, Given B, Given CW, Wyatt G, Gift A, **Rahbar M.H.**, 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.
16. **Rahbar, M. H.**, Sikorskii, A., Ahmed, S. E., Jeon, S., Gardiner, J. C. Shrinkage nonparametric estimation of mean survival time from censored data. 2005. Minneapolis, Mn. Joint Statistical Meetings. August 7-11, 2005.
17. **Rahbar, M. H.**, Jeon, S., Gardiner, J. C. A Nonparametric Test for Equality of Survival Means. 2007. Salt Lake City, Utah. Joint Statistical Meeting, August 3-7, 2007.
18. **Rahbar, M. H.**, Ibrahim, K. Knowledge of General Physicians Regarding Autism Spectrum Disorders in Karachi, Pakistan. 2008. London, UK. 7th International Meeting for Autism Research (IMFAR), May 15-17, 2008.

19. **Rahbar, M. H.**, Talebi, H., Jeon, S. A Nonparametric Method for Assessment of Interactions in a Multi-factor Design with Censored Data. 2008. Denver, Colorado. Joint Statistical Meeting, August 3-7, 2008.
20. La Gamma, E. F., Gulati, S., van Wassenaer, A. G., Ares, S., Kok, J. H., Quero, J., de Escobar, G. M., Golombek, S. G., Hong, T., **Rahbar, M. H.**, Fisher, D. A., Paneth, N. A Randomized Phase 1 Trial of Four Thyroid Hormone Supplementation Regimens for Transient Hypothyroxinemia in Neonates [It] 28 Weeks Gestation: The THOP 1 Trial. 2009. Baltimore, Maryland. Pediatric Academic Societies' Annual Meeting, May 2-9, 2009.
21. **Rahbar, M. H.**, Gardiner, J. C., Hossain, M., Talebi, H. Nonparametric Assessment of Effectiveness in the Presence of Interactions between Treatment Options and Cost using Censored Data. 2009. Washington D.C. Joint Statistical Meeting, August 1-6, 2009.
22. Alam, S., Nowshad, G., Salahudeen, A. K., **Rahbar, M. H.** A New Method to Classify Acute Kidney Injury (AKI) Based on Serum Creatinine as Biomarker. 2009. Brussels, Belgium. EORTC-NCI-ASCO Annual Meeting, October 15-17, 2009.
23. Momeni, M., **Rahbar, M. H.**, Kovanci, E. A meta-analysis of the relationship between endometrial thickness and outcome of in vitro fertilization cycles. 2009. Atlanta, Georgia. American Society for Reproductive Medicine (ASRM) 65th Annual Meeting, October 18-21, 2009. NA
24. **Rahbar, M. H.**, White, F., Agboatwalla, M., Hozhabri, S., Luby, S. Factors associated with elevated blood lead concentrations in children in Karachi, Pakistan. **2003**. Kunming, China. INCLIN XIX Global Meeting, February 19-22, 2003.
25. **Rahbar, M. H.**, Samms-Vaughan, M., Brooks, K. Epidemiological Research on Autism in Jamaica: a Preliminary Analysis of Existing Data and Future Research Plans. (134.100 100). **2009**. Chicago, IL, USA. The International Meeting for Autism Research (IMFAR), 8th Annual Meeting May 07-09, 2009.
26. Del Junco, D. J., Berry, D. A., Boerwinkle, E., Lindsell, C. J., Collins, S., Pollock, B., Ahn, C., Freeman, D., Bloom, K., **Rahbar, M. H.** A CTSA BERD-Initiated Clinical/Translational Network of Networks: Texas BERD and EMERG-HF. **2010**. Vancouver, British Columbia, Canada. ACTS 2010, July 30-31, 2010.

27. Gonzales, N. R., Pandurengan, R. K., Barreto, A. D., Savitz, S. I., Lopez, G. A., Misra, V., Farrag, A. B., Sahota, P., Wu, T., Acosta, I. E., Sline, M. R., Tanksley, J., Harun, N., **Rahbar, M. H.**, Grotta, J. C. Off-label Use of IV rt-PA Can Be Safe In A Select Patient Population. **2010**. Seoul, Korea. 7th World Stroke Congress (WSC), October 13 - 16, 2010.
28. **Rahbar, M. H.**, Chen, Z., Gardiner, J. C. A Nonparametric Test for Equality of Survival Medians. **2010**. New Orleans, LA, USA. Eastern North American Region (ENAR) International Biometric Society 2010, March 21-24.
29. **Rahbar, M. H.**, Ning, J., Wang, W. Shrinkage Nonparametrics Estimation of Median Survival Time from Censored Data. **2010**. Vancouver, British Columbia, Canada. Joint Statistical Meetings (JSM), July 31 - August 5, 2010.
30. **Rahbar, M. H.**, Loveland, K. A., Samms-Vaughan, M., Boerwinkle, E., Bressler, J., Del Junco, D. J., Pearson, D. A., Assassi, P., Shakespeare-Pellington, S., Grove, M. L., Bloom, K., Beecher, C., Brooks, K., Ardjomand-Hessabi, M. Gene-environment related epidemiologic research on autism in Jamaica. (136.085 85). **2010**. Philadelphia, PA, USA. The International Meeting for Autism Research (IMFAR), 9th Annual Meeting May 20-22, 2010.
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45. **Rahbar, M. H.**, Samms-Vaughan, M., Loveland, K. A., Ardjomand-Hessabi, M., Bressler, J., Pearson, D. A., Chen, Z., Grove, M. L., Shakespeare-Pellington, S., Bloom, K., Boerwinkle, E. Metabolic Genes and Blood Lead Concentrations in Jamaican Children with and without Autism Spectrum Disorders. **2012**. Minneapolis, MN. Society for Epidemiologic Research (SER) 45th annual Meeting, June 27-30, 2012.
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50. Wyatt, G., Sikorskii, A., Victorson, D., Faulkner, G., **Rahbar, M. H.** Methodological Issues in Trials of Complementary and Alternative Medicine Interventions (Accepted). **2012**. Phoenix, AZ. Oncology Nursing Society (ONS) November 16-18.
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 53. Fisher-Hoch, S. P., Vatcheva, K. P., Laing, S. T., Hossain, M. M., **Rahbar, M. H.**, Hanis, C. L., Brown, H. S., III, Rentfro, A. R., Reininger, B. M., McCormick, J. B. Missed opportunities for diagnosis and treatment of diabetes, hypertension, and hypercholesterolemia in a mexican american population, cameron county Hispanic cohort, 2003-2008. *Prev. Chronic Dis.*, 2012, 9: E135
 54. Assassi, S., Weisman, M., Chen, Z., **Rahbar, M. H.**, & Reveille, J. D. (2012). New Threshold Values for Spinal Mobility Measures Based on a Large Nationally Representative Sample of U.S. Adults Ages 20-69 Years. Washington, D.C.. American College of Rheumatology (ACR) 2012, November 9-14.
 55. **Rahbar, M. H.**, Samms-Vaughan, Dikerson, A. S., Loveland, K. A., M., Ardjomand-Hessabi, M., Bressler, J., Shakespeare-Pellington, S., Grove, M. L., Pearson, D. A., Boerwinkle, E. A. Role of vegetables consumption in blood cadmium concentrations of Jamaican children with and without Autism Spectrum Disorders. 2012, Dearborn, MI. 6th Conference on Health Issues in Arab Communities October 16-17, 2012.
 56. **Rahbar, M. H.**, Samms-Vaughan, Dikerson, A. S., Loveland, K. A., M., Ardjomand-Hessabi, M., Bressler, J., Shakespeare-Pellington, S., Grove, M. L., Pearson, D. A., Boerwinkle, E. A. Role of Vegetables and Seafood Consumption in Blood Manganese Concentrations in Jamaican Children with and without Autism Spectrum Disorders. **IMFAR 2013. Submitted abstract**
- c) Contributed Paper/Poster Presentations (Since 2000):**
1. **Rahbar MH**, Ibrahim K. Knowledge, Attitude and Practices of General Physicians Regarding Autism Spectrum Disorders in Karachi, Pakistan. Presented to faculty

and graduate students at the UTHSC-SON at Houston, September 26, 2008

2. 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.
3. Prevalence of and factors associated with elevated blood pressure in an urban community of Karachi, Pakistan. Presented at the 17th INCLEN Global Meeting in Bangkok, Oct. 15-18, 2000.
4. Factors associated with unawareness about elevated blood pressure in an urban community of Karachi, Pakistan. Presented at the 17th INCLEN Global Meeting in Bangkok, Oct. 15-18, 2000.