

Sonali Sarkar

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San Antonio, Texas 78228, USA

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Citizenship U.S.A

Education

- 2009-2014 **DrPH (Doctorate in Public Health)**
University of Texas School of Public Health
Houston, TX 77030
Major/Minor: **Epidemiology, Biostatistics, Health Promotion**
- 2007-2008 **M.P.H (Master's in public health)**
University of Texas School of Public Health
Houston, TX 77030
Major/Minor: **Epidemiology, Biostatistics, Health Promotion**
- 2003-2004 **Internship in Psychiatry Graduate Medical Education**
University of Texas Medical School
Houston, TX 77030
- 1992-1999 **M.B.B.S (Bachelor of Medicine Bachelor of Surgery)**
Sri Devaraj Urs Medical College
Tamaka, Kolar, Karnataka, India

Professional Experience

03/2024- present Scientific Review Coordinator
Department of Clinical Investigations (DCI)
Brooke Army Medical Center (BAMC)
Defense Recruiting Company: Stability Staffing
San Antonio, TX 78234

Experience/Accomplishments:

1. Scientific writing, grant protocol review and approval, statistical support for research, power and sample size calculation, IRB document preparation.
2. Supervision and administrative duties, management of defense research programs, HIPAA, CITI, and Cybersecurity training and certifications.
3. Coordinate departmental research activities with those of other departments and outside agencies and organizations; provide staff assistance to medical residents, laboratory, and research staff.

4. Deliver lectures and briefings on epidemiologic and bio-statistical procedures in workshops, seminars, field training evolutions and technical courses for staff.
5. Compare outcome objectives for disease prevention and health promotion programs.
6. Identify critical outcome measures, both morbidity and mortality based, for the evaluation of the effectiveness of clinical services, medical management initiatives, disease prevention programs, and health promotion activities.
7. Investigator role in planning and conducting scientific surveys/studies or projects to identify and solve public health related problems.
8. Provide technical advice and assistance to national and local public health agencies.
9. Prepare manuscripts, scientific articles, statistical and technical reports for publication.

08/2016- 05/2024 Adjunct Faculty in Health and Kinesiology

Texas A&M University San Antonio

One University Way

San Antonio, TX 78234

Courses taught: Both online and Face to face

EDHL 3335: Drug Education

EDHL 3333: Human Growth, Development & Sexuality

EDHL 4337: Disease Entities and Epidemiology

EDHL 3381: Community Health

EDKN 1304: Personal/Community Health

EDHL 3331: Consumer Health

EDHL 3383: Women's Health

EDHL 4344: Health and Aging

05/2020- 05/2023 Epidemiologist (EPI LEAD) COVID-19 Project (Infectious Diseases)

Department of Communicable Diseases

City of San Antonio Metro Health Department

100 W Houston Street, San Antonio, TX 78205

Experience/Accomplishments:

1. Managing and Supervising Contact Investigators and Contact Tracers
2. Conducting Epidemiologic Investigation and telephonic assessment
3. Symptom checklist data entry into the THT Salesforce
4. Entering call center data in THT Salesforce
5. Providing Quarantine/Isolation message for PCR-RNA positive patient
6. Mortality & Hospitalization data for COVID-19 positive Texans
7. Completing THT training, HIPAA, Cybersecurity compliance
8. Communicating with State Point of Contact (POC) & CDC
9. Coordinating 211 care needs for food and housing needs of Texans
10. Providing Emergency Medical Services to COVID-19 positive Texans

11. Vaccine (Moderna & Pfizer) information and coordination
12. Conducting EPI Lead Conferences

**08/2017- 08/2019 Senior Scientist Epidemiologist, Healthcare Research Administrator
Defense Recruiting Company: Geneva Foundation
Hepatology and Gastroenterology Clinic
Brooke Army Medical Center (BAMC)
San Antonio, TX 78234**

Experience/Accomplishments:

1. Scientific writing, grant protocol, Biostatistical support for research, Power and sample size calculation, IRB document preparation.
2. Supervision and administrative duties, management of defense research program.
3. Fibroscan for NAFLD/NASH research studies, including fatty liver and colon cancer screening.
4. Coordinates departmental activities with those of other departments and outside agencies and organizations; provides staff assistance to residents, fellows, and research staff.
5. Deliver lectures and briefings on epidemiologic and bio-statistical procedures in workshops, seminars, field training evolutions and technical courses for staff.
6. Compare outcome objectives for disease prevention and health promotion programs.
7. Identify critical outcome measures, both morbidity and mortality based, for the evaluation of the effectiveness of clinical services, medical management initiatives, disease prevention programs, and health promotion activities.
8. Investigator role in planning and conducting scientific surveys/studies or projects to identify and solve public health related problems.
9. Data analysis using SPSS and interpreting scientific information for logistic and linear regression, t-test, Chi-square test. Kaplan-Meier Survival analysis)
10. Provide technical advice and assistance to national, and local health agencies.
11. Prepare manuscripts, scientific articles, statistical and technical reports for publication.

**07/2016-08/2017 Scientist and Epidemiologist
Oak Ridge Associated Universities (ORAU)
U.S. Army Institute of Surgical Research (USAISR)
Pain management clinic, Brooke Army Medical Center (BAMC)
San Antonio, TX 78234**

Experience/Accomplishments:

1. Leading research of epidemiology studies to determine the impact, safety, or effectiveness across health programs.
2. Lead role in program management and administrative duties for disease prevention and health surveillance activities.

3. Plan and conduct research programs, scientific studies and public health projects involving clinical epidemiology.
4. Consultant for public health research incorporating principles and practice to plan, coordinate, and execute epidemiological studies.
5. Compiles, organizes, and analyzes epidemiological data/information to find solutions to problems requiring the use of broad range of established operations research methods and techniques.
6. Synthesize and interpret scientific information relevant to epidemiology and public health. (Data analysis using SPSS for logistic and linear regression, t-test, Chi-square test. Kaplan-Meir Survival analysis).
7. Participates in Department of Defense (DoD) special initiatives, studies, and projects.
8. Attends meetings, conferences, briefings, seminars, related to epidemiology and program planning.

07/2015-07/2016 Clinical Research Assistant (CRA)
Department of Pediatrics and Neonatology
Contractor at BAMC (Defense Recruiting Company: Decypher)
San Antonio Military Medical Center (SAMMC)
San Antonio, TX 78234

Experience/Accomplishments:

1. Consultant for public health research projects, epidemiology, and clinical research programs
2. Oversees program management and administrative duties for health surveillance activities.
3. Deliver lectures and briefings on epidemiologic and bio-statistical procedures in workshops, seminars, field training evolutions and technical courses for staff.
4. Compare outcome objectives for disease prevention and health promotion programs.
5. Identify critical outcome measures, both morbidity and mortality based, for the evaluation of the effectiveness of clinical services, medical management initiatives, disease prevention programs, and health promotion activities.
6. Meet regulatory and research compliance related to epidemiological projects.

01/2014-06/2016 Public Health Research Associate
Department of Health Promotion Behavioral Sciences
University of Texas Health Science Center
Houston, TX 77030

Experience/Accomplishments:

1. Scientific and technical expert, co- investigator and consultant in epidemiology and clinical research programs.
2. Assist in program management and administrative duties for public health surveillance activities.

3. Deliver lecture and briefings on epidemiologic and bio-statistical procedures in workshops, seminars, field training.
4. Implement and sustain epidemiological research programs for regulatory and research compliance.
5. Provide scientific resource management.

01/2012-01/2014 Industry/Private sector Consultant
American General (AIG) & Transamerica
Life and Health Insurance Company
Sugarland, Texas 77478

Experience/Accomplishments:

1. Consultant for projects and programs.
2. Meet regulatory, policy and data compliance.
3. Database management.

03/2007-12/2011 Research Assistant
MD Anderson Cancer Center
Houston, TX 77030

Experience/Accomplishments:

1. Assisted in clinical research, epidemiology, and public health project.
2. Data entry in Microsoft excel, Data analysis using SPSS.
3. Literature reviews, scientific writing, manuscript preparation.

07/2003-12/2004 Resident/Medical Intern
University of Texas Medical School
Houston, TX 77030

Experience/Accomplishments:

1. Patient history taking, vitals, medical exam, differential diagnosis,
2. Lab investigations, Clinical records, and patient compliance.

03/2002-06/2003 Clinical Research Associate (CRA)
University of Pittsburgh Medical Center
Pittsburgh, Pennsylvania

Experience/Accomplishments:

1. Clinical trials, database administrator, research activities.
2. Manuscript writing and journal submission.

Teaching Experience

08/2016- 05/2024 Adjunct Faculty in Health and Kinesiology
Texas A&M University

San Antonio, TX 78244

EDHL 3335: Drug Education

EDHL 3333: Human Growth, Development & Sexuality

EDHL 4337: Disease Entities and Epidemiology

EDHL 3381: Community Health

EDKN 1304: Personal/Community Health

EDHL 3331: Consumer Health

EDHL 3383: Women's Health

08/1999-12/1999 Clinical Instructor**Sri Devaraj Urs Medical College****Kolar, Karnataka, India**Bedside clinics & clinical teaching for 3rd & 4th year medical students

Medicine, Surgery, OBG-YN

Pre-clinical Teaching for 1st & 2nd year medical students

Anatomy, Physiology, Microbiology, Medical Terminology

Volunteer Experience (Part time/ Unpaid)

2005

Physician Assistant

Brazosport Memorial Hospital Emergency Department

Brazosport, Texas

Externship

2005

Medical Extern

Family Medicine Clinic

Memorial Hermann Hospital

Katy, Texas

Publications**Journal articles in Public Health**

1. Sonali Sarkar, Christopher Alonzo, Joan Cunningham, Paola Martinez, Anita Kurian. Trends in COVID-19 Infections during Four Surges in Bexar County, Texas. *Austin Journal of Infectious Diseases* 2023; 10(3): 1-5. DOI: [10.26420/AustinJInfectDis.2023.1088](https://doi.org/10.26420/AustinJInfectDis.2023.1088)

2. Sonali Sarkar. Correlates of COVID-19 or Coronavirus Infection among individuals with Substance Abuse Disorder. *Journal of Addiction and Clinical Research*. 2020; 4(2)

3. Sonali Sarkar, Dejian Lai, Ross Shegog, Raheem J Paxton, Wendell C Taylor. Social Support for Physical Activity: Comparison of Family, Friends, And Coworkers. *Work* 2016; 55(4): 893-99 <http://dx.doi.org/10.3233/WOR-162459>

4. **Sonali Sarkar**, Dejian Lai, Ross Shegog, Raheem J Paxton, Wendell C Taylor. Sedentary time, Body mass index, and Perceived Health among the Booster Break Participants. *International Journal of Sports and Exercise Medicine* 2016; 2(4). <http://doi.org/10.23937/2469-5718/1510044>

5. Raheem J. Paxton, Alexandra Anderson, **Sonali Sarkar**, Wendell C. Taylor. Breaking Up Sedentary Behavior: Perceptions from Cancer Survivors. *Cancer Nursing* 2016; 39(4):272-78. <https://doi.org/10.1097/ncc.0000000000000330>

Journal articles in Neuropsychiatric Medicine

6. **Sonali Sarkar**. Practice Guidelines for Treatment of Somatic Pain and Depression. *International Neuropsychiatric Disease Journal*. 2017; 9(2): 1-10.
DOI: **10.9734/INDJ/2017/32908**

7. **Sonali Sarkar**. Geriatric Poly-pharmacy: A Growing Epidemic. How to Prevent it? *British Journal of Medicine & Medicinal Research*. 2017; 21(1): 1-11.
<https://doi.org/10.9734/BJMMR/2017/32944>

8. **Sonali Sarkar**. Vitamin D for Depression with a Seasonal Pattern: An Effective Treatment Strategy. *International Physical Medicine and Rehabilitation Journal* 2017; 1(4):00021.
DOI: [10.15406/ipmrj.2017.01.00021](https://doi.org/10.15406/ipmrj.2017.01.00021)

9. **Sonali Sarkar**. Psychiatric Poly-pharmacy, Etiology & Potential Consequences. *Current Psychopharmacology* 2017; 6(1): 12-26.
<http://dx.doi.org/10.2174/2211556005666160916124719>

10. **Sonali Sarkar**. Psychiatric Comorbidities, Oral Health, and Comprehensive Care. *Oral Health Care* 2017. DOI: **10.15761/OHC.1000113**

11. **Sonali Sarkar**, Kiley Hillner, Dawn I Velligan. Conceptualization and Treatment of Negative Symptoms in Schizophrenia. *World Journal of Psychiatry* 2015;5(4):352-61.
<https://doi.org/10.5498/wjp.v5.i4.352>

12. Fredrick Megan M, Jim Mintz, David L. Roberts, Natalie J. Maples, **Sonali Sarkar**, Xueying Li, Dawn I. Velligan. “Is cognitive adaptation training (CAT) compensatory, restorative, or both? *Schizophrenia Research* 2015;166(1):290-96.
<https://doi.org/10.1016/j.schres.2015.06.003>

13. Mary Jo Imbarlina, **Sonali Sarkar**, Shashi Marwah, Haranath Parepally, Philip R. Johnson, Jaspreet S. Brar, K.N.Roy Chengappa. Leukopenia in Clozapine treated patients may be induced by other drugs: a case series. *Journal of European Psychiatry* 2004; 19:506-509.
DOI: **10.1016/j.eurpsy.2004.09.007**

Journal Articles in Military Medicine

14. Billy-Joe Liane, Guy Dooley, **Sonali Sarkar**, Angelo Paredes, Amilcar S Morales-Cardona. One-hour Recovery Time in Subjects Undergoing Percutaneous Liver Biopsy: A Quality Improvement and Patient Safety Project. *Cureus* 2019; 11(9): e5799. DOI: [10.7759/cureus.5799](https://doi.org/10.7759/cureus.5799)

15. Stalin R. Subramanian, Johanna H. Marowske, **Sonali Sarkar**, James K. Aden, Angelo H. Paredes. Mo1461- Outcomes in Nonalcoholic Fatty Liver Disease Associated Hepatocellular Carinoma Treated with Transarterial Radioembolization with Yttrium-90. *Gastroenterology* 2019; 156(6): S-1314-S-1315 DOI: [10.1016/S0016-5085\(19\)40302-8](https://doi.org/10.1016/S0016-5085(19)40302-8)

16. Sylvester Luu, **Sonali Sarkar**, Ryan Ungaro, Anish A. Patel. Fecal Calprotectin Levels Predict Histological Healing in Ulcerative Colitis: 608. *American Journal of Gastroenterology*. 2018;113(): S348-S349.

Book

Sarkar S. Prescribing Multiple Drugs in Psychiatric Practice and Consequences. Scholars' Press. Omniscryptum Publishing 2017. ISBN-13:978-3-330-65106-7

Grants

R01 NIH Grant Preparation due for submission July 2017

Title: "Health Promotion among Racial and Ethnic Minority Males"

PI: Dr. Wendell C. Taylor MPH, PhD

University of Texas Health Science Center, Houston, TX 77030

R25E NCI (National Cancer Institute) Training Grant for Pre-doctoral fellowship

Title: "Feasibility and Validity of Home-Based Measures of Body Composition and Fitness"

Role: Pre-doctoral fellowship trainee

Duration: 03/2011-09/2011

Computer Skills

Conducting patient interviews, qualitative and quantitative data collection, data coding and statistical analysis using computer software programs: SPSS, JMP-SAS & manuscript writing. HIPPA, Cybersecurity certification.

Membership in Honorary & Professional Societies

APHA (American Public Health Association)

TPHA (Texas Public Health Association)

Service

Reviewer for

'Preventing Chronic Diseases (PCD)' CDC Journal

'Journal of Health Disparities' Public Health Journal