

## CURRICULUM VITAE

**Karabi (Sinha) Nandy**

**Associate Professor**

**Department of Biostatistics and Epidemiology,**

**School of Public Health**

**University of North Texas Health Science Center**

**3500 Camp Bowie Blvd**

**Fort Worth TX 76107.**

**Email: Karabi.Nandy@unthsc.edu**

**Work Phone: 817-735-0311**

### EDUCATION

1998: B.Sc. (Honors) in Statistics, University of Calcutta, India

2001: M.Stat. Department of Statistics, University of Florida

2004: Ph.D. Department of Statistics, University of Florida

### APPOINTMENTS

1999 - 2000: *Teaching Assistant* Department of Statistics, University of Florida (UF)

2000 - 2002: *Research Assistant* Department of Psychiatry, UF.

2002 - 2004: *Research Assistant* Department of Statistics, UF.

2004 - 2007: *Assistant Professor of Biostatistics*, Division of Epidemiology and Biostatistics,  
University of Illinois at Chicago (UIC)

2004 (Dec): *Visiting Faculty in Statistics*, Indian Institute of Management, Calcutta, India

2008 – 2015 (June): *Assistant Adjunct Professor*, Department of Translational Science, School of  
Nursing and Department of Biostatistics, Fielding School of Public  
Health, University of California Los Angeles (UCLA)

2015 (July) – June (2016): *Associate Adjunct Professor*, School of Nursing and Department of  
Biostatistics, Fielding School of Public Health, UCLA

2016 (July) – Present: *Associate Professor*, Department of Biostatistics and Epidemiology,  
School of Public Health, UNTHSC.

## **HONORS AND AWARDS**

Outstanding Academic Award for International Students (University of Florida), 2000

ASA Stat Bowl, Team Champion (University of Florida), 2003

Awarded several Travel Awards to present work at various conferences

Excellence in Teaching Award, 2018

## **PROFESSIONAL MEMBERSHIPS**

2002- Present: American Statistical Association (ASA)

2002- Present: Institute of Mathematical Statistics (IMS)

2002 – Present: International Indian Statistical Association (IISA)

2012-Present: Board Member and Vice President for Membership, Southern California Chapter of the American Statistical Association (SCASA)

## **PUBLICATIONS**

1. Bussing R, Mason D, Leon C, & **Sinha K.** (2003) Agreement Between CASA Parent Reports and Provider Records of Children's ADHD Services. *Journal of Behavioral Health Services & Research*, 30(4):462-9.
2. Bussing R, Gary F, Mason D, Leon C, **Sinha K.**, Garvan C, (2003) Child Temperament, ADHD, and Caregiver Strain: Exploring Relationships in an Epidemiological Sample. *Journal of the American Academy of Child and Adolescent Psychiatry*, 42(2):184-92.
3. Bussing R, Zima B, Gary F, Mason D, Leon C, **Sinha K.**, and Garvan C. W. (2003) Social Networks, Caregiver Strain, and Utilization of Mental Health Services Among Elementary School Students at High Risk for ADHD. *Journal of the American Academy of Child and Adolescent Psychiatry*, 42(7):842-50.
4. **Sinha K.** (2006) On Some Aspects of Diallel Cross Designs With Correlated Data. *Calcutta Statistical Association Bulletin*, Vol. 58
5. Ghosh M, **Sinha K.**, (2006) Empirical Bayes Estimation in Finite Population Sampling Under Functional Measurement Error Models, *Journal of Statistical Planning and Inference*.

6. Ghosh M, **Sinha K.**, Kim D., (2006) Empirical Bayes Estimation in Finite Population Sampling Under Structural Measurement Error Models, *Scandinavian Journal of Statistics*, 33(3):591-608.
7. **Sinha K.** (2007) Cost-Effective Unbiased Estimation of Exponential Mean Life - Comparison of Ranked Set Sampling [RSS] vis-a-vis Simple Random Sampling [SRS], *Journal of Statistical Theory and Applications*, 6(4):448-457.
8. Freels S, **Sinha K.**, (2008) R-squared for general regression models in the presence of sampling weights, *Statistics and Probability Letters*, 2008, vol. 78, issue 12, pages 1671-1672.
9. Ghosh M, Kim D, **Sinha K.**, Parsons VL, Katzoff M, (2009) Bayesian and Empirical Bayes Small Domain Estimation of the Proportion of Persons without Health Insurance for Minority Subpopulations, *Survey Methodology* 35(1):53-66.
10. Nyamathi, A., **Sinha, K.**, Marfisee, M., Greengold, B., Leake, B., Tyler, D. (2009). Feasibility of Completing an Accelerated Vaccine Series for Homeless Adults, *Journal of Viral Hepatitis*, 16, 666-73.
11. Woods, D. L., & Beck, C., & **Sinha, K.** (2009) The effect of therapeutic touch on behavioral symptoms and glucocorticoids in persons with dementia, *Forschende Komplementarmedizin: Research in Complementary Medicine*
12. Fitzgerald L, Kehoe P., **Sinha K.**, (2009) Hypothalamic--pituitary-- adrenal axis dysregulation in women with irritable bowel syndrome in response to acute physical stress, *Western Journal of Nursing Research*, 31(7):818-36.
13. Nyamathi A., **Sinha K.**, Marfisee M., Cohen A., Greengold B., Leake B., (2009) Correlates of Heavy Smoking Among Alcohol-Using Methadone Maintenance Clients. *Western Journal of Nursing Research*, vol. 31 no. 6 787-798.
14. Nyamathi A., Tyler D., **Sinha K.**, Marfisee M., Cohen A., Greengold B., (2009) Predictors of Hepatitis Knowledge Improvement among Methadone Maintained Clients Enrolled in a Hepatitis Intervention Program. *Journal of Community Health*, 35(4): 423–432. doi: 10.1007/s10900-010-9266-1.
15. Nyamathi A., **Sinha K.**, Greengold B., Cohen A., Marfisee M. (2010). Predictors of HAV/HBV vaccination completion among methadone maintenance clients. *Research in Nursing & Health*. 33(2). 120-132

16. Compton P, Kehoe P, **Sinha K**, Torrington MA, Ling W. (2010) Gabapentin improves Cold-pressor Pain Responses in Methadone-maintained Patients. *Drug Alcohol Depend*; 109 (1-3):213-9.
17. Brodney A., Kehoe P, **Sinha K.**, (2010) Vision Therapy Using Touch-Screen Computers in an Elementary School. *Journal of Behavioral Optometry*; Vol 21, 31-36.
18. **Nandy K.**, Helle S., Liski A., Liski E. (2010). Optimal Designs for Dose Response Models with Independent Levels of a Qualitative Classifier. *Communications in Statistics – Simulation and Computation*. Vol. 39, No. 10, pp. 1962-1977, doi:10.1080/03610918.2010.526736.
19. Hudson A., Wright-Volel K., Bhattacharia D., **Sinha K.**, Nyamathi A., & Marfisee M. (2010). Correlates of Adult Assault among Homeless Adults. *Journal of Health Care for the Poor & Underserved*, vol. 21, issue 4, pages: 1250-62.
20. Sarna L. Bialous S.A., **Sinha K.** Yang Q., Wewers M.E. (2010) Are healthcare providers still smoking? Data from the 2003 and 2006/2007 Tobacco Use Supplement Current Population Surveys. *Nicotine and Tobacco Research*, Nov;12(11):1167-71.
21. Hodge, F., & **Sinha, K.** (2010). Safer Sexual Practices and HIV Screening Behavior among Rural California American Indians. *California Journal for Health Promotion*. Volume 8, Issue 1, 10 – 21.
22. **Nandy K.** (2010) Book Review for Bayesian Analysis for the Social Sciences by Simon Jackman. *International Statistical Review*. Volume 78, Issue 3, page 464.
23. Nyamathi A., **Nandy K.**, Greengold B., Marfisee M., Khalilifard F., Cohen A., Leake B. (2011): Effectiveness of Intervention on Improvement of Drug Use Among Methadone Maintained Adults, *Journal of Addictive Diseases*, 30:1, 6-16 PMID: 21218306.
24. Hodge F, **Nandy K.** (2011). Factors associated with American Indian cigarette smoking in rural settings. *International Journal of Environmental Research and Public Health*, 8, 944-54 PMID: 21695023.
25. Macabasco-O’Connell A., Danwalder S., and **Sinha K.** (2011). Cardiac risk scores in high-risk Hispanics and the predictive value of BNP. *Journal of Clinical Nursing*, 20, 3039-47.
26. Hodge F, **Nandy K.** (2011). Predictors of wellness and American Indians. *Journal of Healthcare for the Poor and Underserved*, 22, 791-803 PMID: 21841279.
27. Sokolow S., Luu S. H., **Nandy K.**, Miller C. A., Vinters H. V., Poon W. W., Gylys K. H. (2012) Preferential accumulation of amyloid-beta in presynaptic glutamatergic terminals

(VGluT1 and VGluT2) in Alzheimer's disease cortex. *Neurobiology of Disease*, 45, 381-7  
PMID: 21914482.

**28.** Handler A., Rankin K., Rosenberg D., **Sinha K.** (2012) Extent of Documented Adherence to Recommended Prenatal Care Content: Provider Site Differences and Effect on Outcomes Among Low-Income Women. *Maternal and Child Health Journal*. Feb; 16(2):393-405.

**29.** Nyamathi A., Marlow E., Branson C., Marfisee M., **Nandy K.** (2012) Hepatitis A/B vaccine completion among homeless adults with history of incarceration. *International Association of Forensic Nurses*, Volume 8, Issue 1, pages 13–22 PMID: 22372394.

**30.** Lee E., Eun Y., Lee S., and **Nandy K.** (2012). Age-Related Differences in Health Beliefs Regarding Cervical Cancer Screening Among Korean American Women *Journal of transcultural nursing: official journal of the Transcultural Nursing Society*. 2012 July; 23. (3): 237-45. PMID: 22477716.

**31.** Sarna L, Bialous SA, **Nandy K**, Yang Q. (2012). Are quit attempts among U.S. female nurses who smoke different from female smokers in the general population? An analysis of the 2006/2007 tobacco use supplement to the current population survey. *BMC Womens Health*, 12:4 PMID: 22429917.

**32.** Hudson AL, **Nandy K.** (2012). Comparisons of substance abuse, high-risk sexual behavior and depressive symptoms among homeless youth with and without a history of foster care placement. *Contemporary Nurse*, 42, 178-86 PMID: 23181370.

**33.** Lee E., Menon U., **Nandy K.**, Szalacha L., Kviz F., Cho Y., Miller A., Park H. (2014). The Effect of a Couples Intervention to Increase Breast Cancer Screening Among Korean Americans. *Oncology Nursing Forum*. 41(3):E185-93. PMID: 24769601. DOI: 10.1188/14.ONF.E185-E193

**34.** Esguerra-Gonzales A., Ilagan-Honorio M., Kehoe P., Fraschilla S., Lee A. J., Madsen A., Marcarian T., Mayol-Ngo K., Miller P.S., Onga J., Rodman B., Ross D., Shameem Z., **Nandy K.**, Toyama J., Sommer S., Tamonang C., Villamor F., Weigt S.S., Gawlinski A. (2014). Effect of high-frequency chest wall oscillation versus chest physiotherapy on lung function after lung transplant. *Applied Nursing Research* 27 (2014) 59–66 PMID: 24387872.

**35.** Sarna L. Bialous S.A., **Nandy K.** Antonio A.M., Yang Q. (2014) Changes in Smoking Prevalences Among Healthcare Professionals From 2003 to 2010-2011. *JAMA*, 2014; 311 (2): 197 PMID: 24399560.

- 36.** Hodge F., Stemmler S.M., **Nandy K.** (2014), Association between Obesity and History of Abuse among American Indians in Rural California. *Journal of obesity & weight loss therapy.* 2014; 4. PMID: 25419489.
- 37.** **Nandy K.**, Nandy R.R. (2015) A Study of the Performance of 2-Stage Adaptive Optimal Designs In A Logistic Dose-Response Model. *Communications in Statistics – Computation and Simulation.* DOI: 10.1080/03610918.2015.1089284
- 38.** Fongwa, MN; **Nandy, K;** Yang, Q; & Hays, RD. (2015). The Facilitators of and Barriers to Adherence to Hypertension Treatment Scale. *Journal of Cardiovascular Nursing.* 30. (6): 484-90. PMID: 25419942. doi: 10.1097/JCN.0000000000000206.
- 39.** **Nandy K.**, Nandy R.R. (2015) Optimal Designs for a Logistic Dose-Response Model with Restricted Dose Levels. *Proceedings of the 60th World Statistics Congress of the International Statistical Institute, 2015.*
- 40.** **Nandy K.**, Marcovitz M., Sinha B.K. (2015) Eliciting Information on Sensitive Features: Block Total Response Technique and Related Inference. *Handbook of Statistics, Volume 34, Data Gathering, Analysis and Protection of Privacy through Randomized Response Techniques – Qualitative And Quantitative Human Traits.*
- 41.** Godbole, S. V., **Nandy, K.**, Gauniyal, M., Nalawade, P., Sane, S., Koyande, S., ... Mitsuyasu, R. T. (2016). HIV and cancer registry linkage identifies a substantial burden of cancers in persons with HIV in India. *Medicine*, 95(37), e4850. <http://doi.org/10.1097/MD.00000000000004850>.
- 42.** Lee E.E., **Nandy K.**, Menon U., Szalacha L., Park H. (2016) Korean American Women and Mammogram Uptake. *Journal of Immigrant and Minority Health.* 18:179–186. Doi 10.1007/s10903-015-0164-6
- 43.** Hodge, F, Cadogan, M, **Nandy, K**, Itty, T, Warda, U, Martinez, F, & Quan, A. (2016). Predictors of Pain Management among American Indian Cancer Survivors. *Journal of health care for the poor and underserved.* 2016; 27. (2): 636-43. PMID: 27180700
- 44.** **Nandy K.**, Menon U, Szalacha LA, Park H, Lee J, Lee EE. (2016). Self-Report Versus Medical Record for Mammography Screening Among Minority Women. *West J Nurs Res.* 2016 Dec;38(12):1627-1638. PMID: 2713844

## TEACHING

- 2004-2007 (F): BSTT 503: *Biostatistical Computing*, Division of Epidemiology and Biostatistics, University of Illinois at Chicago (UIC) [for MS students]
- 2005-2007 (S): BSTT 440: *Sampling and Estimation Methods Applied to Public Health*, Division of Epidemiology and Biostatistics, UIC [for PhD students]
- 2008-2011, '13, '14 (F) Biostat 402B: *Biostatistical Consulting*, Dept. of Biostatistics, UCLA [for MS students]
- 2009 (S), 2009-2016(W) Biostat 100A, *Introduction to Biostatistics*, Department of Biostatistics and School of Nursing, UCLA [for Bachelors students]
- 2015-2016 (W) N203A Basic Statistics and Fundamentals for Analysis, School of Nursing, UCLA [for PhD students]
- 2015 (F) N207 Quantitative Research Designs of Clinical Phenomena, School of Nursing, UCLA [for PhD students]
- 2017, 2018 (S) BIOS 5310 Intermediate Biostatistics, School of Public Health, UNTHSC [for MPH and Doctoral students]
- 2017, 2018 (F) EPID 5312 Survey Research & Questionnaire Design, School of Public Health, UNTHSC [for MPH and Doctoral students]

## OTHER TEACHING ACTIVITIES

**2007** UIC School of Public Health workshop (Research seminar)

*Title: Sample Size Determination*

**2008** UCLA School of Nursing **BROWN BAG Presentation** (Research seminar)

*Title: "Let's Talk Data!"*

**2009-2015** Guest Lecturer in **Nursing N208: Research in Nursing** (Doctoral class)

*Lecture title: Statistical Validity of Instruments.*

**2009, 2014** Guest Lectures in **Nursing N596: Multivariate Statistics** (Doctoral class)

*Lecture titles: Linear Regression and Logistic Regression Modeling*

**2009** Guest Lecturer in **Nursing N173: Introduction to Research** (Bachelor's class)

*Lecture title: Sampling and Experimental Design*

**2010-2011** Guest Lecturer in **Nursing N208: Research in Nursing** (Doctoral class)

*Lecture title: Introduction to Measurement Theories*

**2011** Guest Lecturer in **Nursing Research N207: Quantitative Research Designs of Clinical Phenomena** (Doctoral class)

*Lecture title: Introduction to Observational Studies*

**2011** UCLA School of Nursing **BROWN BAG Presentation** (Research seminar)

*Title: "Database Management"*

**2012** UCLA School of Nursing **BROWN BAG Presentation** (Research seminar)

*Title: "Understanding and Quantifying EFFECT SIZES"*

**2013-2014** Guest Lecturer in **Nursing Research N204: Research Design and Critique** (Master's Entry Clinical Nurse class)

*Lecture title: Survey Sampling*

**2013** Clarkson University (Statistics Workshop)

*Title: "Power Analysis: A Key Component in Grant Writing"*

**2014** Guest Lecturer in **Nursing N208: Research in Nursing** (Doctoral class)

*Lecture title: Statistical Validity of Instruments.*

## **SERVICE TO THE SCHOOL/ UNIVERSITY**

1. Masters Exam Committee Member, Dept. of Biostatistics, UIC 2004-2007
2. Academic Advisor to 3 MS, 1 MPH and 2 Ph.D. students in the Epidemiology and Biostatistics Program at UIC, 2004-2007
3. Ad-hoc Member of the Faculty Research and Professional Affairs Committee, School of Nursing, UCLA School of Nursing 2008 – 2016.
4. Member, Evaluation sub-committee, UCLA School of Nursing, 2008-2015
5. Chair, Evaluation sub-committee, UCLA School of Nursing, 2015-2016
6. Member, Faculty Executive Committee, UCLA School of Nursing 2014-2016.
7. Member, MPH Dissertation Committee of Mr. Yonas Megerssa, UCLA (2015)
8. Member, DRPH Dissertation Committee of Ms. Joy Toyama, UCLA (2016)
9. Member, Doctoral Dissertation Committee of Ms. Iman Hashmi, UCLA (2016)
10. Chair, Doctoral Dissertation Committee of Mr. Ndolembai Njeseda (expected, 2019)
11. Member, Inter-professional Education Committee, SPH, UNTHSC (2016-present).



## **SERVICE TO THE PROFESSION**

### 1. Reviewer for

- i. “Journal of Agricultural, Biological and Environmental Statistics”
- ii. Journal “Communications in Statistics – Theory and Methods”
- iii. Journal “Statistical Methodology”
- iv. Journal “Survey Methodology”
- v. “Journal of American Statistical Association (JASA)”
- vi. Journal “Biometrics”
- vii. Journal of Substance Abuse Treatment
- viii. Western Journal of Nursing Research
- ix. Sankhya

2. Organizer and Chair of the session titled “Recent Advances in Small Area Estimation” at the Joint Statistical Meeting, Seattle, 2006.

3. Chair of the session titled “Statistical Inference,” at the 7<sup>th</sup> World Congress in Probability and Statistics Conference, Singapore, 2008.

4. Chair of the session titled “Multivariate Data--Mining Methods” at the Western North American Region (WNAR) Conference, 2013.

5. Co-Vice President for Membership for the Southern California Chapter of the American Statistical Association (SC-ASA) 2014-2016.

## **PRESENTATIONS/TALKS**

1. Speaker at the Sixth Calcutta International Triennial Statistics Symposium, Calcutta University, India. December 2006

2. Speaker at the International Conference on Multivariate Statistical Methods, ISI. Dec. 2006

3. Speaker at the ENAR, Biometric Society Conference. April 2007

4. Invited Speaker, Department of Biostatistics, UCLA. February 2007

5. Invited Speaker, RAND Corporation. February 2007

6. Invited Speaker at the 2<sup>nd</sup> Probability and Statistics Day Conference, University of Maryland Baltimore County. March 2008

- 7.** Speaker at the 7<sup>th</sup> World Congress in Probability and Statistics, National University of Singapore (NUS). July 2008
- 8.** Invited Speaker, Department of Mathematics, Clarkson University, October 2008.
- 9.** Invited Speaker at the 3<sup>rd</sup> Probability and Statistics Day Conference, University of Maryland Baltimore County. March 2009
- 10.** Invited Speaker to the Department of Mathematics, Statistics and Philosophy at the University of Tampere, Finland. August, 2009
- 11.** Invited Speaker at the Seventh Calcutta International Triennial Statistics Symposium, India. December 2009
- 12.** Invited Speaker to the Department of Mathematics, Statistics and Philosophy at the University of Tampere, Finland. May, 2010
- 13.** Speaker at the Joint Statistical Meetings, Vancouver, British Columbia. August 2010
- 14.** Speaker at the 4<sup>th</sup> Probability and Statistics Day Conference, University of Maryland Baltimore County. March 2011
- 15.** Invited Speaker at the Annual Meetings of the Statistical Society of Canada, Nova Scotia, Canada. June 2011
- 16.** Invited Speaker to the Department of Statistics at Texas A&M University. Sept, 2011
- 17.** Invited Speaker at the International Conference in Mathematics and Its Applications, Bangkok, Thailand. December, 2011.
- 18.** Invited Speaker at The Indo-US Joint Workshop on HIV-Database and Cancer Registry Match, Pune, India. February 2013.
- 19.** Speaker at the Joint Statistical Meetings, Montreal, Canada. August 2013.
- 20.** Invited Speaker at “Ordered Data Analysis, Models and Health Research Methods: An International Conference in Honor of H. N. Nagaraja for His 60th Birthday”, Dallas, Texas. March 2014.
- 21.** Invited Speaker at “Frontiers of Hierarchical Modeling in Observational Studies, Complex Surveys and Big Data”, Baltimore, Maryland. May 2014.
- 22.** Invited Speaker at “2014 International Indian Statistical Association Conference on Research Innovations in Statistics for Health, Education, Technology, and Society”, Riverside, California. July 2014.

23. Invited Speaker at “Studies on the Prevalence, Risk Factors and Outcomes of Cancers in HIV in India”, New Delhi, India, December 2014.
24. Speaker at the 60th World Statistics Congress – ISI2015, Rio de Janeiro, Brazil, July 2015.
25. Speaker at the Joint Statistical Meetings, Seattle, U.S.A. August 2015.
26. Speaker at the Ninth Calcutta International Triennial Statistics Symposium, India. December 2015.
27. Invited Speaker, Department of Biostatistics and Epidemiology, UNTHSC. April 2016.
28. Invited Speaker at the IISA-2017 Annual Conference. Hyderabad, India. December 27-30, 2017.

### **POSTERS/ABSTRACTS**

1. Fongwa M., **Nandy K.**, Yang Q., Hays R. (2010) Measure of Hypertension Treatment Adherence Factors In Black Women. 43rd Annual WIN Communicating Nursing Research Conference, April 2010.
2. Hodge F., **Nandy K.** (2011) Role of Obesity in the Perception of Wellness among American Indians. 139th APHA Annual Meeting, October, 2011.
3. Lee E.E., **Nandy K.**, Park H. (2011) The Effect of 'Korean Immigrants & Mammography: Culture-Specific Health Intervention' (KIMCHI) Among Older Korean-American Women. The Gerontological Society of America's 64th Annual Scientific Meeting, November, 2011.
4. Lee E.E., **Nandy K.**, Sukiassyan G. (2012) Verification of Mammography Uptake among Korean American Women. Western Institute of Nursing, 2012 Communicating Nursing Research Conference, April, 2012
5. Hodge F., **Nandy K.** (2012) HIV and American Indians: Predictors of unsafe sexual practices and non-HIV testing tendencies. 140th APHA Annual Meeting, October, 2012
6. Predictors of pain management among American Indian cancer survivors (2013) Hodge F., Cadogan M., **Nandy K.**, Itty T.L., Warda U., Martinez F. 141<sup>st</sup> APHA Annual Meeting, November, 2013
7. Godbole S., **Nandy K.**, Gauniyal M., Koyande S., Virgo P., Bhatia K., Paranjape R., Risbud A., Mbulaiteye S., Mitsuyasu R. (2013) Substantial Burden of Non-AIDS Cancers in Persons with HIV in India: Early Results from a Computerized HIV and Cancer Registry Match in Pune, India, 20<sup>th</sup> Conference on Retroviruses and Opportunistic Infections CROI.

8. Hodge F.S., Stemmler M.S., **Nandy K.** Association between Obesity and History of Abuse among American Indians in Rural California (2014), 142<sup>nd</sup> APHA Annual Meeting, November, 2014
9. **Nandy K.**, Antonio A., Bialous S.A., Sarna L. Relationship between quit attempts and smoke-free policies among nurses who smoke: an analysis of the tobacco use supplement-current population surveys (TUS-CPS) from 2003 to 2010-2011. (2015) 21<sup>st</sup> Annual Meeting for the Society for Research on Nicotine and Tobacco (SRNT), February 2015.
10. Mamun<sup>+</sup> A., **Nandy K.**, Nandy R.R., Walters S.T. Using Random Forest Algorithm to Explore Factors Associated with Change in Quality of Life Among Permanent Supportive Housing Residents. (2018). Research Appreciation Day, UNTHSC. *Won 1<sup>st</sup> Place Award from by School of Public Health and Public Health Student Government Association.* April 2018; 13th Annual Texas Conference on Health Disparities, June 2018.
11. Khan<sup>+</sup>, M., **Nandy, K.** Are waist circumference, sagittal abdominal diameter, and waist-to-height ratio better predictors of cardiovascular risk than bmi? (2018). Research Appreciation Day, UNTHSC. April 2018; 13th Annual Texas Conference on Health Disparities, June 2018.
12. Dunnigan<sup>+</sup>, K., Fernando, S., Mallampati<sup>+</sup>, R., Paetz<sup>+</sup>, S., Basalice<sup>+</sup>, H., **Nandy, K.** Factors Associated with Patient Satisfaction Using Caregivers as a Proxy in a Pediatric Setting Based on a Newly Developed Survey Instrument. (2018). Research Appreciation Day, UNTHSC. April 2018. *Won 1<sup>st</sup> Place in the UNT Health: 2018 Health Care Delivery Poster Award.*
13. Miller, H.L. Thomi, M., Kata, K., Patterson, R., **Nandy, K.**, Hamby, T., Bailey, L., Bowman, W.P., Mauk, J.E. Minority females are vulnerable to missed or delayed diagnosis of Autism Spectrum Disorder in both local and national healthcare settings. (2018). 13th Annual Texas Conference on Health Disparities, June 2018.

<sup>+</sup> student

## RESEARCH SUPPORT/ EXTRAMURAL FUNDING

### ONGOING RESEARCH SUPPORT

<i>Project</i>	<i>Principal Investigator</i>	<i>Project Duration</i>
1R01 NR01580901	Kopelowicz A.	4/1/2016-3/31/2021

***Using Multifamily Groups to Improve Family-Centered Self-Management of Type 2 Diabetes among Mexican Americans***

Objective: The project (a) evaluates four culturally adapted, family-based treatments designed to improve health status, self-management behaviors and self-efficacy among Mexican-Americans with Type 2 diabetes using a Sequential, Multiple Assignment Randomized Trial (SMART) in a public health setting, and (b) tests hypotheses about the applicability of Ryan and Sawin's Individual and Family Self-Management Theory, the conceptual foundation for the intervention's key constructs, to the study of diabetes self-management in this population.

**Role:** Sub-contract PI

**2U54MD006882-06**

**Vishwanatha J.**

**9/1/2017-8/31/2022**

***Texas Center for Minority Health, Education, Research and Outreach***

Objective: Texas Center for Health Disparities (TCHD) has been a leader in health disparities research, education, and outreach in its local community, throughout the State of Texas, and in many parts of the nation. Building on its significant experience and expansive relationships, the TCHD proposes the NIMHD Specialized Center of Excellence (COE) with a focus on Women's Health Disparities. Consistent with the community-based participatory research (CBPR) focus of the TCHD, the focus area was identified through substantial community dialogue with partners.

**Role:** Center Statistician

**COMPLETED RESEARCH SUPPORT**

<b><i>Project</i></b>	<b><i>Principal Investigator</i></b>	<b><i>Project Duration</i></b>
<b>Illinois Department of Public Aid</b>	<b>Handler (PI)</b>	<b>8/1/05-7/31/07</b>

***Closing the Gap - Quality of Medical Care***

Objective: The purpose was to study the quality of pregnancy experiences and prenatal care available to low-income group women in Illinois from providers of prenatal care.

**Role:** Co-Investigator

**NIDA R01 DA 05463-01**

**Compton (PI)**

**8/1/02-5/31/10**

***Hyperalgesia in Methadone-Maintained Patients: Can it be Treated?***

Objective: Goal of RCT was to explore the efficacy of three classes of medication to treat hyperalgesia experienced by methadone-maintained patients.

**Role:** Co-Investigator

**NIDA R01 DA 05463-01**

**Mitsuyasu (PI)**

**7/1/09-6/30/10**

**Pilot HIV and Cancer Match Registry Study in Pune, India**

Objective: To describe the spectrum of cancers occurring in persons with HIV/AIDS at HIV centers in Pune, a city in India, by linking HIV clinical databases at these clinics in Pune to the Indian National Cancer Registry for the same city.

**Role:** PI Statistician-Co-Investigator

**NIH/ARRA 1R01HL093466**

**Evangelista (PI)**

**9/1/08-12/31/10**

***Examining the Effects of High Protein Diet on Outcomes in Heart Failure Patients***

Objective: The goal was to broaden our knowledge base on nutrition and dietary interventions, with a specific focus on potential effects of high protein diets on heart failure progression.

**Role:** Co-Investigator

**NIH/NICHD 1R03HD052145**

**Nyamathi (PI)**

**5/1/08-4/30/10**

***Community-Based Approach to Designing an AIDS Program for HIV+ Mothers in India***

Objective: To understand the perceived strengths manifested by Mothers Living with HIV in India and life challenges they face in dealing with HIV/AIDS, including ART, parenting while ill, disclosure decisions and promoting mental health and of best approaches to provision of care.

**Role:** Co-Investigator

**NIH/NIDA 1R01DA016147**

**Nyamathi (PI)**

**4/1/09-3/31/10**

***HBV Prevention for Homeless At-Risk for HBV/HCV/HIV***

Designing a program to assist young homeless stimulant -using gay and bisexual homeless men to complete the HAV/HBV vaccine and in reducing drug and sexual activity.

**Role:** Co-Investigator

**Hospital Association of Southern California Nyamathi (PI)**

**1/5/09-12/31/09**

***Promise of Nursing for Southern California Nursing School Grant***

Objective: To prepare new nurses for careers in Nursing Schools and Healthcare Organizations

**Role:** Co-Investigator

**NIH R21 DA027558-01**

**Compton (PI)**

**9/1/09-8/30/11**

**Pain, Opioids and Pro-inflammatory Immune Responses**

Objective: Examining pro-inflammatory immune markers to understand the inflammatory effects of acute and chronic opioids in persons with and without pain in healthy controls and prescription opioid abusers.

**Role:** Co-Investigator

**NIH 1 RC1 HL100301-01**

**Jacob (PI)**

**9/1/10-8/30/11**

***Wireless Pain Intervention Program for At Risk Youths with Sickle Cell Disease***

Objective: The study will examine the effectiveness of the Wireless Pain Intervention Program

**Role:** Co-Investigator

**HRSA D09HP09063**

**Lewis (PI)**

**7/1/08-6/30/11**

***Culturally Competent Care for Underserved Populations***

Objective: The objective of this proposal is to prepare 6-8 FNP's graduating from UCLA to reduce health disparities among underserved and high-risk populations throughout California.

**Role:** Co-Investigator

**NIH/NCI 7R01CA127650**

**Lee (PI)**

**7/1/07-5/31/11**

***KIM-CHI: A Culture-Specific and Theory Driven Intervention for Breast Cancer Screening in Korean American Women***

Objective: The aim of the proposed research is to improve adherence to recommended breast cancer screening protocols among Korean American women.

**Role:** Co-Investigator

**RWJF 66519**

**Hudson (PI)**

**9/1/09-8/30/12**

***Foster Youth Stay Smart with "Street Smart:" an HIV and Pregnancy Prevention Program for At-Risk Teens***

Objective: The purpose is to 1) describe prevalence of substance use in a sample of homeless youth who were formerly in foster care compared to those who were not; and 2) explore differences in the social network composition of the former group.

**Role:** Co-Investigator

**NIH/NCI 5R01CA115358                      Hodge (PI)    9/1/05-6/30/11**

***Reducing Symptom Barriers Among American Indians***

Objective: The purpose is to reduce or overcome barriers to cancer-related symptom management among American Indians.

**Role:** Co-Investigator

**FDP-NIH R21CA177310                      Mitsuyasu (PI)    7/1/13-6/30/15**

***Studies of HIV and HHV8 in cancers in India***

Objective: To describe the spectrum of cancers occurring in persons with HIV/AIDS at HIV centers in Pune, a city in India, by linking HIV clinical databases at these clinics in Pune to the Indian National Cancer Registry for the same city.

**Role:** PI Statistician, Co-Investigator

**Institute of American Cultures (ULA)      Felicia Hodge (PI)    7/1/15 – 5/31/16**

***Examining Type 2 Diabetes among California American Indians***

Objective: The California Health Interview Survey (CHIS) dataset will be examined as a secondary data source to better understand type 2 diabetes among AI/ANs in California.

**Role:** Co-Investigator

**NIH R01    Sally Malisk (PI)    7/1/15 – 5/31/16**

***Examining Type 2 Diabetes among California American Indians***

Objective: The California Health Interview Survey (CHIS) dataset will be examined as a secondary data source to better understand type 2 diabetes among AI/ANs in California.

**Role:** Co-Investigator

**HRSA    Ruiz (PI)    7/1/15-6/30/16**

***Nursing Workforce***



Objective: Nursing Workforce grant is focused on moving nurses into case managers and clinical care coordinator roles, within a multidisciplinary team model.

**Role:** Co-Investigator

**DSRIP 138980111.2.6,**

**Walters, S.**

**8/1/16-8/31/2017**

**CMS, Delivery System Reform Incentive Payment Program (1115 Waiver)**

*Health Navigation Incentives for Dual Diagnosis Patients*

Objective: This project is developing and testing a technology-assisted health-coaching program for adults residing in Tarrant County permanent supportive housing programs.

**Role:** Co-Investigator