

**CURRICULUM VITAE
SUDHA XIRASAGAR**

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EDUCATION

2002	Ph.D.	Health Administration, Arnold School of Public Health, University of South Carolina, Columbia, SC
1982	M.B.B.S.	Doctor of Medicine, Bangalore University, Bangalore, India

PROFESSIONAL EXPERIENCE

Aug 2020 - May 2023	Doctoral Program Director
Aug 2020 -21	Graduate Programs Director
Aug 2020-	Associate faculty, College of Nursing, ACORN Center (Advancing Chronic Care Outcomes through Research and iNnovation)
Jan 2017 to present	Professor, Health Services Policy and Management University of South Carolina, Arnold School of Public Health
Aug 2010 to Dec 2016	Associate Professor, Health Services Policy and Management University of South Carolina, Arnold School of Public Health
Aug 2013 to Aug 2015	Director, MHA program
Aug 2009 to Sep 2010	Director, MHA Program Department of Health Services Policy and Management
Aug 2006 to July 2009	Director, MHA Professional Format Program Department of Health Services Policy and Management
2003-06	Associate Director, MHA Program Department of Health Services Policy and Management

Arnold School of Public Health, University of South Carolina

- 2006 to 2010 Assistant Professor, Health Services Policy and Management
University of South Carolina, Arnold School of Public Health
- 2002 to July 2006 Research Assistant Professor, Health Services Policy and Management
University of South Carolina, Arnold School of Public Health
- 1997 to 2002 Graduate Research Assistant, Health Services Policy and Management
Arnold School of Public Health, University of South Carolina
- 1989 to 1997 Director, Research and Training, Indian Society of Health Administrators,
Bangalore, India
- 1989 Senior Medical Officer, National Tuberculosis Institute,
Government of India, Bangalore, India
- 1985 to 1988 Medical Officer, National Tuberculosis Institute,
Government of India, Bangalore, India
- 1983 to 1985 Medical Officer, Ministry of Labor, Beedi Workers Welfare Fund Dispensary
Kerala, India
- 1982 to 1983 Resident, Department of Internal Medicine, Victoria Hospital, Bangalore, India.

PUBLICATIONS

Journal Articles (Student/post-doctoral mentees underlined)

1. Hung SH, **Xirasagar, S**, Cheng YF, Lin HC, Chen CS. Association of Alzheimer's Disease with Peripheral Vestibular Disorder, Alzheimer's and Dementia: Journal of the Alzheimer's Association, *The Laryngoscope* 2024; 134:4730-4735 (<https://doi.org/10.1002/lary.31558>)
2. Hung SH, **Xirasagar S**, Dang LH, Viet-Nhu NK, Cheng YF, Chen CS, Lin HC. Prevalence of Hearing Loss, Tinnitus, and Sudden Deafness Among Patients with Polymyositis and Dermatomyositis. *Scientific Reports (Nature portfolio of journals)* 2024;14(1): March 2024. DOI: [10.1038/s41598-024-56372-z](https://doi.org/10.1038/s41598-024-56372-z)
3. Yang TH, **Xirasagar S**, Cheng YF, Chen CS, Lin HC. Increased Prevalence of Hearing Loss, Tinnitus, Vertigo and Sudden Deafness among Patients with Sjogren's Syndrome. In press, Accepted January 5, 2024, *RMD Open (Rheumatology and Musculoskeletal Disorders), British Medical Journals; 10(1):e003308. Doi:10.1136/rmdopen-2023-003308.*
4. Hung SF, **Xirasagar S**, Dang LH, Chen YC, Cheng YF, Lin HC, Chen CS. Trends in the Incidence of Peripheral Vestibular Disorders: A Nationwide Population-based Study, *Frontiers in Neurology*,2023;14: 1322199. December 12, doi: [10.3389/fneur.2023.1322199](https://doi.org/10.3389/fneur.2023.1322199).

5. Yang TH, **Xirasagar, S**, Cheng YF, Chen CS, Lin HC. Does Peripheral Vestibular Disorder Increase the Risk of Attempted Suicide? A Retrospective Cohort Study. *Journal of Affective Disorders* 2023;341(23):12-16.
6. Wu, Y, **Xirasagar S**, Nan, Z, Heidari K, Sen C. Racial disparities in utilization of emergency medical services and related impact on post-stroke disability. *Medical Care*, 2023; 61(11): 796-804. DOI: 10.1097/MLR.0000000000001926
7. Yang TH, **Xirasagar S**, Cheng YF, Chen CS, Chang WP, Lin HC. Trends in the Incidence of Head and Neck Cancer: A Nationwide Population-based Study. *Oral Oncology* 2023;140: <https://doi.org/10.1016/j.oraloncology.2023.106391>.
8. Boyle RE, Jonker L, **Xirasagar, S**, Okut H, Badgett RG. Hospital Workforce Engagement, Satisfaction, Burnout and Effects on Patient Mortality: Findings from the English National Health Service Staff Surveys, *Health Serv Management Research*, 2023 May 25; <https://doi.org/10.1177/09514848231179>
9. Cheng YF, **Xirasagar S**, Kwo NW, Lin HC. Tinnitus and Risk of Attempted Suicide: A One Year Follow-up Study. *J Affect Disorders*, 2023, 322: 141-145.
10. Hung, SH, **Xirasagar S.**, , Kuo NW, Lin, HC. Association of Chronic Kidney Disease with Prior Tinnitus: A Case–Control Study. *Journal of Clinical Medicine*, 2022; 11(24), 7524.
11. Cheng YF, **Xirasagar S**, Chen CS, Niu DM, Lin HC. Association of Fabry Disease with Hearing Loss, Tinnitus, and Sudden Hearing Loss: A Nationwide Population-based Study. *J Clin Med (Otolaryngology)* 2022. 11, 7396. <https://doi.org/10.3390/jcm11247396>
12. Banerjee S, Kwaan MR, Wu, Y, Ren Y, **Xirasagar S**. Ostomy surgery for patients with large bowel obstruction in the modern era: A Nationwide Inpatient Sample study. *J Gastroint Surg Online* first Aug 12, 2022. <https://doi.org/10.1007/s11605-022-05417-7>
13. Kwaan MR, Wu, Y, Ren Y, **Xirasagar S**. Prompt Intervention in Large Bowel Obstruction Management: A Nationwide Inpatient Analysis. *Amer J Surg* 2022; 224(5): 1262-1266. <https://doi.org/10.1016/j.amjsurg.2022.07.002> (July 19, 2022)
14. Lin, H.C, Kuang, T.M., **Xirasagar, S.**, Kao, YW, Ho, J.D. Association of Neovascular Age-related Macular Degeneration with Migraine: A Population-Based Case-Control Study. *Scientific Reports* 2022; 12:1792 | <https://doi.org/10.1038/s41598-022-05638-5> (Nature portfolio, [nature.com/scientificreports](https://www.nature.com/scientificreports))
15. Huang PH, **Xirasagar S**, Cheng YF, Wang CH, Lin HC. Absence of an association between tinnitus and pre-existing hypertension. *Ann Otol Rhinol Laryngol* 2022;132(7). <https://doi.org/10.1177/000348942211157>
16. Hung SH, **Xirasagar S**, Kuang TM, Chang WW, Cheng YF, Kuo NW, Lin HC. Association of Age-related Macular Degeneration with Prior Hyperthyroidism and Hypothyroidism: A Case-Control Study. Accepted April 2022, *J Pers Med*, 12(4); 602; <https://doi.org/10.3390/jpm12040602>
17. Wu, Y., Ren, Y., Wu, D., **Xirasagar, S.**, Johnson, J. Using D-dimer as a biomarker to predict disease severity and clinical outcomes with a large COVID-10 inpatient cohort: A machine learning

approach. Institute of Electrical and Electronic Engineers – Proceedings of the International Conference on Healthcare Informatics, 2022.

18. Kuang T.M., **Xirasagar S**, Cheng Y.F. Lin H.C. Association of Primary Open Angle Glaucoma with Tinnitus: A Nationwide Population-based Study. *J Glaucoma* 2022;31(4):224-227.
19. Lin HC, **Xirasagar S**, Wang CH, Cheng YF, Yang TH. Increased risk of major depressive disorder following tinnitus: A population-based study. *Frontiers in Neurology*, 2022; March 21, 2022 | <https://doi.org/10.3389/fneur.2022.836842>
20. Kuang, T.-M.T.; **Xirasagar,S.**; Lee,W.-Y.; Cheng, Y.-F.; Kuo,N.-W.; Lin, H.-C. Absence of an Association between Macular Degeneration and Young-Onset Dementia. *J. Pers. Med.* 2022, 12, 291. <https://doi.org/10.3390/jpm12020291>
21. Yang, T.H., **Xirasagar, S.**, Cheng, Y.F., Kuo N.W., Lin, H.C. Association of Cervical spondylosis with vertigo: A population-based case control study. *Laryngoscope* 2021;131(2):E625-630. <https://doi.org/10.1002/lary.28715>
22. Cheng YF, **Xirasagar S**, Yang TH, Wu CS, Kao YW, Lin HC. Risk of early onset dementia among persons with tinnitus: a retrospective case control study. *Sci Rep.* 2021; 11: 13399. Published online 2021 Jun 28. doi: 10.1038/s41598-021-92802-y
23. Cheng, YF, **Xirasagar, S**, Liu, TC, Wang, CH, Lin, HC. Association of Hearing Impairment with Land Transport Accidents: A Nationwide Population-based Study. *Int J Audiol* 2021 Nov 12:1-5. doi: 10.1080/14992027.2021.1998677. Online ahead of print. PMID: 34772305.
24. Yang, T.H., **Xirasagar S**, Wu, C.S., Lin H.C. Ten-year Trends in the Incidence of Microtia: A Nationwide Population-based Study from Taiwan. *Eur Arch Oto-Rhino-Laryngol*, 2021 Nov; 278(11):4315-4319. doi: 10.1007/s00405-021-07014-x. Epub 2021 Jul 26.PMID: 34309752.
25. Lin HC, **Xirasagar, S.**, Cheng, Y.F., Yang TH, Wu CS, Kao, Y.W., Yang, T.H. A Nationwide Population-based Study on the Association Between Land Transport Accident and Peripheral Vestibular Disorders. *Int J Environ Res Pub Health*, 2021 Jun 18;18(12):6570. doi: 10.3390/ijerph18126570.
26. Yang TH, **Xirasagar S**, Cheng YF, Wu CS, Kuo NW, Lin HC. Peripheral Vestibular Disorders: Nationwide Evidence from Taiwan. *Laryngoscope.* 2021 Mar;131(3):639-643. doi: 10.1002/lary.28877. (Epub 2020 Jul 4) PMID: 32621538.
27. Kwaan, M.R., Ren, Y, Wu, Y., **Xirasagar, S**. Colonic stent use and outcomes in the United States – A Nationwide Inpatient Sample study. *J Surg Res*; 2021 Sep;265:168-179. doi: 10.1016/j.jss.2021.03.048.
28. Yang TH, **Xirasagar, S**, Hwang C, Lin HC. Increased Risk of Injury following a Diagnosis of Vertigo: A Population-based Study. *Laryngoscope* 2021;131(7):1633-38. <https://doi.org/10.1002/lary.29519>
29. Yang, T.H., **Xirasagar S**, Cheng Y.F., Wu, C.S., Kao Y.W., Lin H.C. A Nationwide Population-based Study on the Incidence of Parapharyngeal and Retropharyngeal Abscess – A 10-year study, 2021, *Int J Env Res Public Health* 2021 Jan 25;18(3):1049. doi: 10.3390/ijerph18031049.PMID: 33504039

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31. Cheng, Y.F., **Xirasagar, S.**, Yang, T.H., Wu, C.S., Kuo N.W., Lin, H.C. A Population-Based Case-control Study of the Association between Cervical Spondylosis and Tinnitus, *Int J Audiol.* 2021 Mar;60(3):227-231. (epub 2020, DOI: [10.1080/14992027.2020.1817996](https://doi.org/10.1080/14992027.2020.1817996). PMID: 33504039.
32. **Xirasagar S**, Wu Y, Heidari KH, Zhou J, Tsai MH, Hardin JW, Wronski RA, Hurley D, Jauch EC, Sen S. Does Emergency Medical Services Transportation Mitigate Post-stroke Discharge Disability? A Prospective Observational Study. *J Gen Intern Med* 2020; **35**, 3173–3180. <https://doi.org/10.1007/s11606-020-06114-4>
33. de Groen, PC, Wu, Y, Jaber S, **Xirasagar S**. The Minnesota multiple polyp index: A new colonoscopy quality measure. *Gastrointest Endosc* 2020; 91(6): AB566-567, Supplement (Meeting Abstract, presented at Digestive Diseases Week (DDW) annual meeting <https://www.giejournal.org/action/showPdf?pii=S0016-5107%2820%2933561-6>
34. Badgett, R, **Xirasagar, S**, Jonker, L: "Hospital workforce engagement and inpatient mortality rate: Findings from English National Health Service Staff Survey data," *J Gen Intern Med.* 2020 Dec;35(12):3465-3470. doi: 10.1007/s11606-020-06045-0. Epub 2020 Oct 13. PMID: 33051836
35. Yang, T.H., **Xirasagar, S.**, Cheng YF, Wu CS, Kao YW, Shia BC, Lin HC. Cervical Spondylosis is Associated with Obstructive Sleep Apnea. *Sleep Medicine*, Sleep Med. 2020 Jul;71:54-58. doi: 10.1016/j.sleep.2020.03.025. Epub 2020 Apr 3. PMID: 32502850
36. Kuang TM, **Xirasagar S**, Kao YW, Shia BC, Lin HC. Association of Systemic Hypertension with Primary Open-Angle Glaucoma: A Population-Based Case-control Study. *Amer J Ophthal* 2020; Oct;218:99-104. doi: 10.1016/j.ajo.2020.04.020. Epub 2020 Apr 28. PMID: 32360343.
37. Yang TH, **Xirasagar S**, Cheng YF, Wu CS, Kao YW, Shia BC, Lin HC. Malignant Otitis Externa is Associated with Diabetes: A Population-Based Case-Control Study. *Ann Otol Rhinol Laryngol.* 2020 Jun;129(6):585-590. doi: 10.1177/0003489419901139. Epub 2020 Jan 24. PMID: 31976744
38. Chen, S.C., **Xirasagar, S.**, Liu, J.C., Kao Y.W., Shia, B.C., Yang, T.H., Lin, H.C.. A Population-based Study of Healthcare Resource Utilization in Patients with Mitral Valve Prolapse. *Int J Environ Res Public Health*, 2020. Mar 3;17(5):1622. doi: 10.3390/ijerph17051622. PMID: 32138217
39. **Xirasagar S**, Tsai MH, Wu Y, Zhang J, Clugstone S, de Groen PC. Colorectal cancer prevention by a CLEAR-principles based protocol: An observational study.. *Gastroint Endosc*, 2020; 91(4):905-916 E4. <https://doi.org/10.1016/j.gie.2019.11.043>. PMID: 31816316.
40. Cheng YF, **Xirasagar S**, Yang TH, Wu CS, Kao YW, Shia BC, Lin HC. Increased risk of tinnitus following a trigeminal neuralgia diagnosis: a one-year follow-up study. *J Headache Pain.* 2020 May 6;21(1):46. doi: 10.1186/s10194-020-01121-6. PMID: 32375642
41. Yang, T.H., **Xirasagar, S.**, Cheng YF, Wu CS, Kao YW, Shia BC, Lin, H.C. Association between pioglitazone use and head and neck cancer: Population based case-control study. *Head Neck.* 2020; Apr;42(4):653-659; DOI 10.1002/hed.26046. [Epub 2019 ahead of print]. PMID: 31833151

42. **Xirasagar S**, Tsai M, Heidari K, Wu Y, Hardin JW, Hurley D, Jauch EC, Sen S. Why Acute Ischemic Stroke Patients in the United States Use or Do Not Use Emergency Medical Services Transport? Findings of an Inpatient Survey. *BMC Health Serv Res*, 2019 Dec 3;19(1):929. doi: 10.1186/s12913-019-4741-6. PMID:6892139
43. **Xirasagar S**, de Groen P.C. Commentary on Bretthauer et al.: From colorectal cancer screening guidelines to headlines: Beware! *Ann Int Med*, 2019 May 21;170(10):733-34. PMID: 31108524
44. Lin, H.C., Hung, S.H., **Xirasagar, S**, Su, C.H. A Case-control Study of the Association between Sialolithiasis and Osteoporosis. *Clin Otolaryngol* 2019;44(3):343-348.
45. Lin, H.C., Kao, L.T., **Xirasagar, S**, Huang, C.Y., "Association between Pioglitazone Use and Prostate Cancer: A Population-based Case-control Study". *J Clin Pharmacol*, 2019; 59(3): 344-349. <https://doi.org/10.1002/jcph.1326>
46. Kang, J.H., **Xirasagar, S.**, Lin, H.C., Fao, P.F, Sung, L.C. Risk of Adverse Outcomes in Patients with Rheumatoid Disease Hospitalized for Stroke - A Cross-sectional Study. *Clin Rheumatol* 2018; 37:2917-26
47. **Xirasagar, S.**, de Groen, P.C. Colonoscopy and Colorectal Cancer Mortality in the Veterans Affairs Health Care System. *Ann Int Med*, 2018; 169(6):423.
48. **Powell, D.J., Xirasagar, S**, Khan, M.M., Hardin, J.W., Odutolu, O. Antenatal care satisfaction in a developing country: a study from Nigeria. *BMC Public Health*, 2018; 18:368. <https://doi.org/10.1186/s12889-018-5285-0>
49. **Tsai, M.H., Xirasagar, S.**, Carroll, S., Bryan, C.S., Gallagher, P.J., Davis, K. Jauch, E.C. Reducing High-users' Visits to the Emergency Department (ED) by a Primary Care Intervention for the Uninsured – A Retrospective Study. *Inquiry* 2018; 55: Doi:10.1177/0046958018763917
50. Aljabri D, Dumitrascu A, Burton C, White L, Khan M, **Xirasagar S**, Horner R, Naessens J. Patient Portal Adoption and Use by Hospitalized Cancer Patients: A Retrospective Study of its Impact on Adverse Events, Utilization, and Patient Satisfaction. *BMC Med Inform Decis Mak*, 2018; 18(70): July 27: <https://doi.org/10.1186/s12911-018-0644-4>.
51. Lin, H.C., **Xirasagar, S.**, Lee, H.C., Chen, C.H. "Association of Alzheimer's Disease with Hepatitis C among Patients with Bipolar Disorder" *PLoSOne*, June 16, 2017. Online at <https://doi.org/10.1371/journal.pone.0179312>
52. **Tsai, M.H., Xirasagar, S.**, de Groen, P.C. Persisting racial disparities in colorectal cancer screening among persons with a family history of colorectal cancer. *Journal of Racial and Ethnic Disparities in Healthcare* 2017 Aug 15. doi: 10.1007/s40615-017-0418-1. [Epub ahead of print]
53. Lin, H.C., Kao, L.T., **Xirasagar, S**, Huang, S.W., Huang, C.Y. "Gastroesophageal Reflux Disease is Associated with Subsequent Rheumatoid Arthritis Occurrence-A Retrospective Cohort Study from Taiwan", *British Medical Journal Open* December 2017 <http://dx.doi.org/10.1136/bmjopen-2017-016667>.

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62. Chung S.D., **Xirasagar, S.**, Lin C.C., Ling, W., Li, H.C., Lin, H.C. Increased Risk of Ischemic Stroke Among Women with Bladder Pain Syndrome/Interstitial Cystitis: A Cohort Study from Taiwan. *Neurourology & Urodynamics*, 2015 Jan; 34(1):44-9. DOI:10:1002/nau.22515. PMID: 24155221
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Books and Book Chapters

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REFEREED PRESENTATIONS AT NATIONAL SCIENTIFIC MEETINGS/PUBLISHED ABSTRACTS (Mentored postdoctoral scholar/student names underlined)

Nan Z, Xirasagar S. Is health literacy associated with increased physical activity and does physical activity reduce complications among type 2 diabetes mellitus population? American Public Health Association Annual meeting, Atlanta, 2023, Submitted.

Alzaharani A, Xirasagar S, et al. Association of prior periodontal disease with cancer – does oral exudate exposure increase cancer risk of exposed anatomic sites compared to unexposed cancer sites? American Public Health Association Annual meeting, Atlanta, 2023, Submitted.

Nan Z, Wu, Y, Xirasagar S. Role of diet and physical activity in self-reported health status and diabetes complications among the US population with type 2 diabetes – A BRFSS-based study. American Public Health Association Annual meeting, Philadelphia, November 6-9, 2022, Boston. Oral.

Wu Y, Xirasagar, S, Heidari K, Sen S, Racial disparities in stroke action-taking and disability outcomes: Using patient survey data to connect the dots. American Public Health Association Annual meeting, Philadelphia, November 6-9, 2022, Boston. Oral. Presentation. Best Student Research award by the APHA Medical Care Section. ((From funded study, PI. Xirasagar)

Wu Y, Wu D, Xirasagar S. Using D-dimer as a Biomarker to Predict COVID-19 Disease Severity from Clinical Data of Hospitalized Patients: A Machine Learning Approach. IEEE International Conference on Health Informatics (IEEE ICHI 2022). June 11th–14th, 2022. Rochester, MN. Oral.

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Kwaan MR, Wu Y, Ren, Y, **Xirasagar S.** Prompt intervention in large bowel obstruction management: A nationwide inpatient analysis. Western Surgical Association Annual Meeting, Nov 6-9, 2021, Indian Wells, CA. Oral.

Wu, Y, Heidari K, Sen S, **Xirasagar S,** “Racial Disparities in Stroke Care and Associated Discharge Disability Outcomes,” American Public Health Association Annual Meeting and Expo, Oct 24-27, 2021, Denver, CO. Student presentation.

Banerjee, S, Kwaan MK, Wu Y, Ren Y, **Xirasagar S.** Colonic stent use by indication and patient outcomes: A Nationwide Inpatient Sample study. American College of Colorectal Surgeons national meeting, August 13-17, 2021, San Francisco, California. Poster.

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Total Knee Arthroplasty Patients, International Society for Pharmaceutical Outcomes Research, 22nd international meeting, May 20-24, 2017, Boston.

Powell, D.J., Khan, M.M., **Xirasagar, S.**, Hardin, J.W., Odutolu, O. Provider behaviors and facility characteristics impacting pregnant women's satisfaction with antenatal care in Nigeria: Implications for improving antenatal care use. American Public Health Association, 144rd Annual Meeting, October 29 - November 2, 2016. Denver, CO. Poster.

Xirasagar, S., Tsai, M.H., Gallagher, P.J., Bryan, C.S. Reducing Emergency Room Overcrowding by In-house Primary Care Clinic and Patient Education: Win-win outcomes for patients and the hospital Submitted to American Public Health Association, 144rd Annual Meeting, October 29 - November 2, 2016. Denver, CO. Poster.

Tsai, M.H., **Xirasagar, S.**, Gallagher, P.J., Bryan, C.S. High Users of Emergency Room Services: Effect of Having or Acquiring a Primary Care Physician on Subsequent ER use Patterns in an Urban Setting, to American Public Health Association, 144rd Annual Meeting, October 29 - November 2, 2016. Denver, CO. Podium, presenter.

Xirasagar, S., Tsai M.H., Esoimeme, G., Gallagher, P. Effect of an in-house primary care clinic on ER use by repetitive users in an urban hospital. Podium presentation, American Public Health Association, 143rd Annual Meeting, October 31 - November 4, 2015. Chicago, IL. Podium. (Not presented due to emergency personal travel abroad)

Dumbiri, O., **Xirasagar S.** Will near-universal health coverage impact mortality in the US adult population? 2015 Annual Research Meeting of Academy Health, Minneapolis, June 14-16, 2015. Poster.

Haider R, Qureshi, Z, Horner R, **Xirasagar S**, Khan MM. Colorectal Cancer Costs in the US: Findings from the National Medical Expenditure Panel Survey 2008-12. ISPOR 20th International Medical Conference, May 16-20, 2015. Philadelphia, USA. Podium.

Tsai, M.H. **Xirasagar, S.**, Li, Y.J. 2014. Racial disparities in colonoscopy screening among persons with a family history of colorectal cancer. Podium presentation, American Public Health Association, 142nd Annual Meeting, November 15-19, 2014. New Orleans, LA.

Li, Y.J., **Xirasagar, S.**, Qureshi, Z., Hurley, T.G., Hardin, J.W., Zhang, J., Wirth, M. (2013, November). Assessment of an innovative colonoscopy protocol using a 2-person technique and propofol sedation in ensuring high quality screening colonoscopies by trained primary care physicians. Podium session presented at the American Public Health Association, 141st Annual Meeting, Boston, MA.

Xirasagar, S., Li, Y.J., Hurley, T.G., Hardin, J.W., Tsai, M.H., & Hebert, J.R. (2013 November). Primary care physician(PCP)-performed colonoscopy screening: Does PCP procedure experience affect performance quality? Podium session presented at the American Public Health Association, 141st Annual Meeting, Boston, MA.

Xirasagar, S., Li, Y.J., Hurley, T.G., Hardin, J.W., Hurley, D.M., Hebert, J.R., de Groen, P.C. (2013, November). Colorectal cancer prevention efficacy of primary care physician-performed vs. specialist-performed colonoscopies at one endoscopy center. Podium session presented at the American Public Health Association, 141st Annual Meeting, Boston, MA.

Tsai, M.H., **Xirasagar, S.**, Li, Y.J., Qureshi, Z. Colonoscopy screening among Americans with a family history of colorectal cancer. American Public Health Association, 141st Annual Meeting, November 2-6, 2013, Boston, Podium presentation.

Xirasagar, S., Li, Y.J., Hurley, T.G., Tsai, M.H., Hardin, J.W., Hurley D., Hebert, J.R., de Groen, P.C. Excellent (83%) Colorectal Cancer Prevention due to an Optimized Colonoscopy Method. American College of Gastroenterology 2013 Annual Scientific Meeting, October 11-16, San Diego, Oral, Plenary session. (Abstract: Xirasagar S, Li, Y-J, Hurley T, et al. Excellent (83%) Colorectal Cancer Prevention Due to an Optimized Colonoscopy Method. The American Journal of Gastroenterology 2013;108:S637.)

Li, Y.J., **Xirasagar, S.**, Hurley T.G., Hardin J.R., Wirth, M., Qureshi, Z. Comparison of Innovations in Screening Colonoscopy Protocols (2-Person Technique and Propofol Sedation) in Improving Adenoma Detection Rates. American Public Health Association, 141th Annual Meeting, November 4-8, 2013, Boston Podium; Medical Care Section Student Session Award winner.

Li, Y.J., **Xirasagar, S.**, Hurley T.G., Hardin J.R., Wirth, M., Qureshi, Z. Comparison of Innovations in Screening Colonoscopy Protocols (2-Person Technique and Propofol Sedation) in Improving Adenoma Detection Rates. Academy Health Annual Research Meeting, June 23-25, 2013. Poster.

Xirasagar, S., Li, Y.J., Hurley, T.G., Hardin J.R., Hurley, D, Hebert, J.R. Retrospective cohort study of the cancer prevention efficacy of screening colonoscopy performed with an innovative polyp-maximizing protocol. Academy Health Annual Research Meeting, June 23-25, 2013. Washington, DC. Poster.

Xirasagar, S., Li, Y.J., Hurley, T.G., Pumkam, C., Hardin J.R., Hebert, J.R., Comparing Performance Quality Under a State-of-Art Colonoscopy Protocol vs. Typical Endoscopy Protocols - Implications for Colorectal Cancer Protection. Academy Health Annual Research Meeting, June 23-25, 2013., Washington, DC Poster.

Xirasagar, S., Li, Y.J., Hurley, T.G., Wirth, M. Zhang, J., Pumkam, C., Hebert, J.R., Hurley. D. Evidence on cancer prevention efficacy of an innovative colonoscopy program that expanded screening access to African Americans. 2012 Summit on the Science of Eliminating Health Disparities, October 31 – November 3, 2012, Washington DC. Poster, presenter.

Baek, J.D., **Xirasagar S.**, Stoskopf, C.H., Seidman, R.L. Impacts of patient-centered medical home environment, financial incentive and restrictions on physicians' ability to provide quality primary care. American Public Health Association, 140th Annual Meeting, October 27 – 31, 2012, San Francisco, Presenter, Podium.

Melvin, E., **Xirasagar, S.**, Moran R., Hutto, B., Melvin A. Diabetes-Related Lower Extremity Amputation (DRLEA): Payer and plan type matters for single-step vs. multi-step (incremental) amputations. American Public Health Association, 140th Annual Meeting, October 27 – 31, 2012, San Francisco, Poster.

Melvin, A., **Xirasagar, S.**, Moran R., Hutto, B., Melvin E. Is the cost of care for Coronary Artery Bypass Graft (CABG) patients among Acute Myocardial Infarction patients associated with payer and plan type and time to CABG? American Public Health Association, 140th Annual Meeting, October 27 – 31, 2012, San Francisco, Poster.

Xirasagar, S., Li Y.J., Hurley T.G., Pumkam, C., Hebert, J.R. Comparing adenoma detection rate and type under a state-of-art colonoscopy protocol vs. typical community-based center protocols in

community-based practice settings - Implications for cancer protection. American Public Health Association, 140th Annual Meeting, October 27 – 31, 2012, San Francisco, Presenter, Podium.

Xirasagar, S., Zhang, J., Hurley T.G., Li Y.J., Wirth, W., Hardin, J.W., Hebert, J.R. Cancer prevention efficacy of PCP-performed vs. specialist-performed screening colonoscopies under an innovative program in South Carolina. American Public Health Association, 140th Annual Meeting, October 27 – 31, 2012, San Francisco, Presenter, Podium.

Wu, C.S., **Xirasagar, S.**, Zhang, J., Qureshi, Z.P., Baker, S. L., Lai, C.H., Lee, C.Z., Tang, C.H. Does antihyperglycemic medication adherence reduce stroke hazard among Type 2 diabetes patients? American Public Health Association, 140th Annual Meeting, October 27 – 31, 2012, San Francisco, Presenter, Podium.

Pate, M., **Xirasagar, S.**, Moran, R., Baker, S.L. Evidence for cost shifting to private payers under Medicaid managed care pressures – A claims-based national study. American Public Health Association, 139th Annual Meeting, October 29 – November 2, 2011, Washington DC, Poster.

Melvin, L.A., **Xirasagar, S.** Lower extremity amputation in diabetes: An exploratory study of the factors in amputation type and patient outcomes. American Public Health Association, 139th Annual Meeting, October 29 – November 2, 2011, Washington DC, Poster.

Xirasagar, S., Hurley, T.G., Daguise, V, Li, Y.J., Younger, S., Burch J.B., Hebert, J.R. Evaluation of the South Carolina Screening Colonoscopy on People Everywhere (SCOPE) program for the uninsured. American Public Health Association, 139th Annual Meeting, October 29 – November 2, 2011, Washington DC, Podium.

Fu, J.C., **Xirasagar, S.**, Liu, J, Probst J.P. Cesarean and VBAC Rates among Immigrant vs. Native-Born Women American Public Health Association, 138th Annual Meeting, November 6-10, 2010, Denver. Poster.

Xirasagar, S., Kanwat, C.P., Sellers, W., Alsup, M.N., Li, Y.J. Developing Locally-Relevant Educational Messages to Promote Restaurant Industry Preparedness Against Intentional Food Contamination American Public Health Association, 138th Annual Meeting, November 6-10, 2010, Denver. Oral

Li, Y.J., **Xirasagar, S.**, Probst, J.P. Insurance Access to Eye Care Services and Association with Visual Impairment Among US Adults. American Public Health Association, 138th Annual Meeting, November 6-10, 2010, Denver. Oral.

Chang, C.K., **Xirasagar, S.** Provider Behavior Under Global Budgeting: Does it evolve from Dysfunctional Tragedy of the Commons to cooperative Nash Equilibrium? American Public Health Association, 138th Annual Meeting, November 6-10, 2010, Denver. Oral.

Sros, L., **Xirasagar, S.** Hurley, T., Ali, M, Probst, J.C., Hardin, J.W., Hebert, J.R. Does Distance Matter? Assessing the Relationship Between Travel Distance Patients Encounter and Their Use of Recommended Screening Colonoscopy. American Public Health Association, 137th Annual Meeting, November 7-11, 2009, Philadelphia. Oral.

Sros, L., **Xirasagar, S.** Hurley, T., Ali, M, Probst, J.C., Hardin, J.W., Hebert, J.R. Rurality and Area-based Socio-economic Status of Patients' Residence as Predictors of Screening Colonoscopy Utilization.

American Public Health Association, 137th Annual Meeting, November 7-11, 2009, Philadelphia. Poster.

Xirasagar, S., Hurley, T., Sros, L., Hussey, J.R., Hebert, J.R. Primary Care Physicians Performing Screening Colonoscopy: Patient Compliance Improvements and Colorectal Cancer Disparities Reduction Potential. American Public Health Association, 137th Annual Meeting, November 7-11, 2009, Philadelphia. Presenter, Poster.

Xirasagar, S., Kanwat, C.P., Qu, H., Shewchuk, R.M., Li, Y.J., Sros, L. Restaurant Industry Preparedness Against Intentional Food Contamination: A Data-driven Strategy for Food Defense Education. American Public Health Association, 137th Annual Meeting, November 7-11, 2009, Philadelphia. Presenter, Podium.

Shah, K.Y., **Xirasagar, S.**, Stoskopf, C.H. A Qualitative Study of Current Status and Emerging Trends of Medical Care Outsourcing. American Public Health Association, 136th Annual Meeting, October 25-29, 2008, San Diego. Presenter, Poster.

Xirasagar, S., Hurley, T., Sros, L., Hebert, J.R. Quality and Case Yield of Screening Colonoscopies Performed by Primary Care Physicians. American Public Health Association, 136th Annual Meeting, October 25-29, 2008, San Diego. Presenter, Podium.

Xirasagar, S., Hurley T, Sros, L., Hebert, J.R. Quality and Case Yield of Screening Colonoscopies Performed by Primary Care Physicians. Academy Health 2008 Annual Research Meeting, Washington DC, June 8-10, 2008. Presenter, Poster.

Xirasagar, S., Shewchuk, R., Kanwat, C.P., Sros, L. Employee Management and Training Practices Reflecting the Preparedness of South Carolina Restaurants to Preempt Malicious/Bio-terrorist Food Contamination. Academy Health 2008 Annual Research Meeting, Washington DC, June 8-10, 2008. Presenter, Poster.

Xirasagar, S., Elder, K.T. A Survey for Minority Population Evacuation Prediction and Resource Planning, Based on Katrina Evacuees Focus Groups. Academy Health 2007 Annual Research Meeting, Orlando, FL, June 3-5, 2007. Presenter, Poster.

Xirasagar, S., Lin, H.C. Total Hip Replacement Quality and Cost: Practice Makes Perfect – Procedure Volume Versus Operative Time, Rehabilitation, Total Costs, and LOS. American Public Health Association, 135th Annual Meeting, November 3-7, 2007, Washington DC. Presenter, Podium.

Xirasagar, S., Elder, K.T. A Survey for Minority Population Evacuation Prediction and Resource Planning, Based on Katrina Evacuees Focus Groups. Academy Health 2007 Annual Research Meeting, Orlando, FL, June 3-5, 2007. Presenter, Poster.

Xirasagar, S., Lin, H.C. Total Hip Replacement Quality and Cost: Practice Makes Perfect – Procedure Volume Versus Operative Time, Rehabilitation, Total Costs, and LOS. Academy Health 2007 Annual Research Meeting, Orlando, FL, June 3-5, 2007. Presenter, Poster.

Laditka, S.B., Laditka, J.N., **Xirasagar, S.**, Cornman, C.B., Davis, C.B. Preparedness Lessons Learned from Nursing Homes that Sheltered Hurricane Katrina Nursing Home Evacuees. South Carolina Aging Research Day, April 13, 2007.

Elder, K, **Xirasagar, S**, **Bowen, S.A.**, **Maitra, D.** African Americans' Evacuated After the Storm: Factors Impacting Their Social Vulnerability to Hurricane Katrina." American Public Health Association, 134th Annual Meeting, November 4-8, 2006, in Boston, MA. Black Caucus, Podium.

Xirasagar, S, Elder, K, Bowen, S.A., Maitra, D. African Americans' Evacuation Response During Hurricane Katrina: Changes Needed in Preparedness Planning." American Public Health Association, 134th Annual Meeting, November 4-8, 2006, in Boston, MA. Presenter, Podium.

Xirasagar S., Laditka S.L., Laditka, J.N., Cornman, C.B., Richter, J.E.V. Han, W.M. Impact of Disaster Preparedness and Management Training on MPH Students' Knowledge, Attitudes, and Planned Public Health Practice. American Public Health Association, 134th Annual Meeting, November 4-8, 2006, in Boston, MA. Presenter, Poster.

Xirasagar, S., Samuels, M.E., Curtin, T.F. Effective Leadership Styles for Medical Directors of Community Health Centers. National Association of Community Health Centers Annual Convention and Community Health Institute, August 25-29, 2006 in Chicago. Presenter, Podium.

Samuels, M.E., **Xirasagar, S.**, Reynolds, D. Innovative Collaboration Strategies for Successful Health Center-Hospital Partnerships. National Association of Community Health Centers Annual Convention and Community Health Institute, August 25-29, 2006 in Chicago. Presenter, Podium.

Samuels, M.E., **Xirasagar, S.**, Community Health Center Governance Effectiveness – Findings from a National Survey of CHC Board Chairs. NACHC Annual Convention and Community Health Institute, August 25-29, 2006 in Chicago. Presenter, Poster

Xirasagar, S. Factorial Validity of the Transformational, Transactional and Laissez-fiare Leadership Constructs Among Physician Executives. AcademyHealth 2006 Annual Research Meeting, Seattle, WA, June 25-27, 2006. Presenter, Poster.

Samuels, M.E., **Xirasagar, S.** The Rural Safety Net: Collaboration Between Rural Community Health Centers and Critical Access Hospitals. AcademyHealth 2006 Annual Research Meeting, Seattle, WA, June 25-27, 2006. Presenter, Poster.

Laditka, S.B., **Xirasagar, S.**, Laditka, J.N., Cornman, C.B., Davis, C.B., Richter, J.E. Readiness is All: Using an Experiential Exercise in Nursing Home Preparedness to Train Future Health Care Managers. Association of University Programs in Health Administration (AUPHA) 2006 Annual Meeting, Seattle, WA, June 22-25, 2006. Poster.

Laditka, S.B., Laditka, J.N., **Xirasagar, S.**, Cornman, C.B., Davis, C.B. Ready or Not? Perceptions About Preparedness in Nursing Homes Before and After Hurricane Katrina. AcademyHealth 2006 Annual Research Meeting, Seattle, WA, June 25-27, 2006. Podium.

Elder, K., **Xirasagar, S.**, Bowen, S.A., Maitra, D. Disparities in Hurricane Katrina Evacuation: Factors in African Americans' Evacuation Response, AcademyHealth 2006 Annual Research Meeting, Seattle, WA, June 25-27, 2006. Poster.

Laditka, S.B., Laditka, J.N., **Xirasagar, S.**, Cornman, C.B., Davis, C.B., Richter, J.V.E. Disaster Preparedness in South Carolina Nursing Homes. 3rd Annual South Carolina Aging Research Day, Mount Pleasant, SC, April 7, 2006, Podium.

Xirasagar, S., Lin, H.C. Cultural Factors in Maternal Choice of Cesarean Delivery in Taiwan: A Five-Year Population-based Study. 133rd Annual Meeting of the American Public Health Association, Philadelphia, December 10-14, 2005. Presenter, Poster. Abstract #104139

Xirasagar, S., Samuels M.E. National Survey of Critical Access Hospital and Rural Community Health Center Collaboration. 133rd Annual Meeting of the American Public Health Association, Philadelphia, December 10-14, 2005. Presenter, Podium. Abstract #112172

Xirasagar, S., Samuels, M.E., Curtin, T.F. Physician Executive Training and Disease Management Goal Achievement. 2005 Disease Management Leadership Forum, sponsored by the Disease Management Association of America, San Diego, California, October 16-19, 2005. Presenter, Poster.

Xirasagar, S., Samuels, M.E., Curtin, T.F. Management Training of Community Health Center Medical Directors and Effectiveness. 2005 Annual Convention and Community Health Institute of the National Association of Community Health Centers. Presenter, Continuing Education session, Miami, Florida, September 18-20, 2005.

Samuels, M.E., Xirasagar, S., Wilhide, S.D. Model Relationships Between Rural Community Health Centers and Hospitals. Office of Rural Health Policy – All Programs Meeting, August 25, 2005.

Xirasagar, S., Samuels M.E., Stoskopf, C.H. Management Training of Medical Directors of Community Health Centers, and Association with Leadership Styles and Effectiveness. Presented at the 132nd Annual Meeting of the American Public Health Association, Washington DC, November 6-10, 2004. Presenter, Podium. Abstract #86150

Elder, K., Xirasagar, S. Examining reasons for physician contract denials and terminations: Strategic behavior or something else. 132nd Annual Meeting of American Public Health Association, Washington DC, November 6-10, 2004. Abstract # 90816.

Xirasagar, S., Samuels, M.E., Stoskopf, C.H. An Empirical Study of Leadership Styles Among Physician Leaders, and Association of Specific Styles with Leadership Effectiveness. Presented at the 131st Annual Meeting of the American Public Health Association, San Francisco, November 15-19, 2003. Presenter, Podium. Abstract # 89624.

Xirasagar, S. , Stoskopf, C.H. A Survey of Women Faculty in AUPHA Accredited Programs in North America. Presented at the Association of University Programs in Health Administration Annual Meeting, Women Faculty Forum, Washington D.C. June, 1998. Presenter, Podium.

REFEREED PRESENTATIONS AT STATE & REGIONAL SCIENTIFIC MEETINGS

Tsai M.H., Xirasagar, S., Li, Y.J., de Groen, P.C. Utility of surveillance colonoscopies done as per guidelines – Polyps found and their significance for cancer prevention. 2015 Annual Meeting of the South Carolina Public Health Association, May 20-22, 2015, West Columbia, SC. Poster.

Onyeajam, D., Xirasagar, S. Will near Universal Health Coverage impact mortality disparities among the uninsured in the US adult population? South Carolina Public Health Association Annual Meeting, May 20-22, 2015, Columbia SC.

Li, Y.J., Fernandes, PR, **Xirasagar, S.,** Mecham J. Impact of an Interactive HIV-Education Module for College Students and Health Worker Trainees. Annual conference of the South Carolina Public Health Association, May 25-28, 2010, Myrtle Beach, South Carolina. Poster.

OTHER/UNREFEREED PRESENTATIONS AND PUBLISHED ABSTRACTS

Tsai, M.H., **Xirasagar, S.**, Li, Y.J. Racial disparities in colonoscopy screening among persons with a family history of colorectal cancer. 7th Annual James E. Clyburn Health Disparities Lecture Meeting, Apr 11, 2014, South Carolina, Poster session.

Li, Y.J., **Xirasagar, S.**, Hurley, T.G., Tsai, M.H. Right-sided adenoma prevalence and histology among African Americans vs. Whites and policy implications for reducing racial disparities in colorectal cancer, University of South Carolina, 7th Annual James E. Clyburn Health Disparities Lecture Meeting, April 11, 2014, Columbia, SC. Poster.

Kanwat, C.P., **Xirasagar, S.**, Li, Y.J. South Carolina Food Defense Survey Results – Strengths and Gaps. Food and Drugs Administration Southeast Region Annual Retail Food Safety Seminar, November 3-5, 2009. Myrtle Beach, SC. Invited presentation – Podium.

Xirasagar, S. Hebert, J.R. Roundtable topic leader. National Cancer Institute, Cancer Health Disparities Summit 2008, July 14-16, 2008. Bethesda, MD.

Xirasagar, S., Hurley, T.G., Sros, L., Hebert, J.R. Quality and Case Yield of Screening Colonoscopy Performed by Primary Care Physicians. National Cancer Institute, Cancer Health Disparities Summit
Title: *Reducing Colorectal Cancer Disparities: Supplement to Increase Sample Size*
Funding agency: National Cancer Institute; 09/01/2016 – 08/31/2017; Funding: \$128,345
PI: **Xirasagar, S.** Co-investigators: Zhang, J, de Groen P.C.

This project expands sample size and specific aims to evaluate age related polyp differences by race that are relevant for colorectal cancer prevention. 2008, July 14-16, 2008. Bethesda, MD. Published abstract.

Xirasagar, S., Mansaray, A., Hurley, T.G., Sros, L., Hebert, J. R. Screening Colonoscopy Completion Rates Among Patients of African American Primary Care Physicians Trained in Colonoscopy. National Cancer Institute Cancer Health Disparities Summit 2008, July 14-16, 2008. Bethesda, MD. Presenter, Podium.

Xirasagar, S., Hurley T.G., Hebert, J.R. Expanding African Americans' Access to Screening Colonoscopy: How Effective and Safe are Primary Care Physician-Performed Procedures? University of South Carolina, James E. Clyburn Health Disparities Lecture Series, Forging Solutions through Research and Practice, April 25, 2008, Columbia, SC. Presenter, Poster.

RESEARCH GRANTS/PROPOSALS

CURRENT

Title: *Cataloging health insurance plans and stroke rehab service coverage in South Carolina*
Funding agency: South Carolina Department of Health and Environmental Control, Division of Stroke, STEMI and Sepsis

PI: Xirasagar S.

Period: November 1, 2024 – Aug 30, 2025. Total funding: \$25,000

Title: *Preparatory phase for South Carolina's 5-year Strategic Plan for the Control of Sexually Transmitted Diseases*

Funding agency: South Carolina Department of Health and Environmental Control, Bureau of Communicable Disease Prevention and Control

PI: Xirasagar S. Total funding: \$88,905

Period: April 2024-July 31, 2025

Pending:

Title: *Post-stroke rehabilitation care status among the South Carolina stroke population: Improving Quality of Life, Reducing Racial and Rural Disparities*

Funding agency: SC Stroke Advisory Council, SC Dept of Health and Environmental Control

Role: PI

Funds requested: ~\$135,000 (Proposal scope of work and approximate budget submitted at request, Approved by the SC Stroke Advisory Council for funding. Currently in process to identify available funds at the end of FY 2023 in June 2024.

Submitted: November 2022, Revised and submitted February 2023

Status: Pending.

Completed:

Title: *Longitudinal study of outcomes of colonic stent use among colorectal cancer patients with bowel obstruction and of colostomy patients.*

Funding agency: Regents of the University of California Los Angeles Department of Surgery.

PI: Xirasagar, S

Period: 07/2019 to 06/2021; Total funding: \$95,048

This study used South Carolina hospitalization data and the National Inpatient Sample data to examine course and outcomes of two groups of patients: colorectal cancer patients with bowel obstruction (comparing patients provided and not provided colonic stents), and colostomy patient outcomes (comparing colorectal cancer patients with diverticulosis patients).

Title: *Improving EMS use and access for South Carolina stroke patients: racial differences in stroke patients' use of EMS, comorbidities and disability outcomes.*

Funding agency: South Carolina Department of Health and Environmental Control. PI: Xirasagar, S

Period: 07/2019 to 06/2020; Total funding: \$25,000

This project will study racial differences in stroke patients' use of EMS for hospital transport, differences in comorbidities and disability outcomes.

Title: Supplement to *Reducing Racial Disparities in Colorectal Cancer: Racial Differences in Polyp Profile*

Funding agency: National Cancer Institute (2 R21 CA202477-01); 01/2017-12/2018. Funding: \$125,000

PI: **Xirasagar, S.** Co-investigators: Zhang, J, de Groen P.C.

Title: *Reducing Racial Disparities in Colorectal Cancer: Racial Differences in Polyp Profile*

Funding agency: National Cancer Institute (1 R21 CA202477-01); 01/2016-12/2018. Funding: \$339,000

PI: **Xirasagar, S.** Co-investigators: Zhang, J, de Groen P.C.

This project studied age-related differences in polyp initiation, progression and cancer transformation potential between Blacks and Whites and study the colorectal cancer prevention achieved by screening colonoscopy in the cohort at 9-year follow-up.

Title: *ARRIVE: Improving Stroke Outcomes: Role of Ambulance Transportation in Stroke Outcomes and Factors in Non-use of Ambulance transportation.*

Funding source: Genentech, Inc. PI: Xirasagar, S. 11/2015 – 10/2018; Total funding: \$240,337

This project will study the patterns of and impact of the mode of transportation following a stroke on time to initiation of treatment and 90-day outcomes, as well as patient and system factors in the chosen transportation mode.

Title: *Technical Assistance to develop an enhanced curriculum for the master of public health program in Saudi Arabia*

Funding agency: College of Public Health and health Informatics (CPHHI), King Saud Bin Abdul Aziz University for Health Sciences, Saudi Arabia, 06/-1/2013 – 05/31/2016

PI: Khan, MM; Co-PIs: **Xirasagar S.**, Addy, C. Effort: 7.5%

Purpose: The goal is to develop curricula for each of their three Master of Public Health programs, to assist Saudi faculty in adopting suitable pedagogical material and processes to ensure competency-based education, and develop assessment tools for evaluation of curricular effectiveness. The project will also partner with local faculty develop health services and public health research proposals for funding by the Ministry of health of Saudi Arabia.

Title: *Evaluation of the Impact of Providence Hospital's Primary Care Referral Program on ER Visits and Inpatient Admissions*

Funding agency: Providence Hospital 09/2014 – 05/2015; Total funding: \$33,212

PI: **Xirasagar, S.** % effort: 11%

This project assessed the changes in ER visits by frequent ER fliers to Providence Hospital ER following establishment of a free primary care medical home.

Title: *Sip-09-0002 South Carolina Cancer Prevention and Control Network (SCCPCRN)*

Funding Agency: National Center for Chronic Disease Prevention and Health Promotion/(CDC)

Grant/contract #: #U48DP001936-01W1; \$1,500,000 (direct costs) Effort: 2%

PI: Hebert, J.R. Role: Co-investigator, 2% effort; 9/30/2009-9/29/2014

This grant established the South Carolina Cancer Prevention and Control Research Network (SCCPCRN) as one of 10 centers of the CPCRN. The overall project goal is to develop infrastructure to reduce and ultimately eliminate cancer disparities.

Title: *Reducing cancer disparities: Incident cancer after colonoscopies by primary care physicians*

Funding agency; National Cancer Institute 1R15CA156098-01

Total funding: \$319,050, 01/6/2011 to 12/31/2013. Effort: 30%

PI: **Xirasagar, S.** Key Personnel: Hardin, J.W., Hurley, T.G., Zhang, J

This project evaluated the quality of PCP-performed colonoscopies as compared to controls (specialist colonoscopies performed under the same protocol among patients drawn from the same geographic area, and evaluated the colorectal cancer protection conferred by these colonoscopies relative to the documented CRC protection rates documented in national randomized control trials, and relative to a control cancer, lung cancer.

Title: *Bangladesh Health Facilities Survey 2011*

Funding agency; The World Bank; Total funding: \$239,900; 07/1/2011 to 12/31/2011.

PI: Mahmud Khan, Investigator: **Xirasagar, S.** Effort: 12%

This project conducted an infrastructure and functional analysis of the publicly funded segment of the health care delivery system in Bangla Desh

Title: *SCOPE-SC Colonoscopies: Quality Indicators and Equity of Patient Referrals*

Funding Agency: SC Department of Health and Environmental Control

PI: **Xirasagar, S.**, Effort: 9.3%; Total funding: \$12,000, 08/01/2010 – 02/01/2011

The project evaluated the Program "Screening Colonoscopies on People Everywhere in South Carolina, SCOPE-SC" using Year I screening data.

Title: *SCCDCN: Impact of Colonoscopies Performed by Primary Care Physicians*

Funding Agency: National Cancer Institute, under the South Carolina Cancer Disparities Network grant.

Project Leader: **Xirasagar, S.** Parent SCCDCN grant PI: Hebert, J. Co-investigators: Hurley, T. Effort: 3.84 cal. months.

Funding: \$49,979 in direct costs from NCI, \$21,000 from USC sources, total \$70,979 in direct costs, 08/01/2007 to 07/31/2008 Grant #: 3 U01CA114601-03S5

This project examined the quality and efficacy of screening colonoscopies performed by primary care physicians and the impact of training African American PCPs on their patient' colonoscopy screening rates.

Title: *Supplementary Research Effort to Enhance the Policy Relevance of an NCI-funded Project on Colorectal Cancer Disparities*

Funding Agency: Intramural - University of South Carolina, Office of Research and Health Sciences, Cancer Prevention and Control Program, South Carolina Cancer Center, Dept of Health Services Policy and Management.

PI: **Xirasagar, S.**

Total funding: \$21,000, 08/01/2007 to 07/31/2008

This project supplemented the NCI-funded 3 U01CA114601-03S5, to enable data collection on patient panels of an additional 6 African American untrained primary care physicians to provide a comparison group for better policy relevance of the study's findings.

Title: *Using Existing State-wide Survey Data for Cost-effective, Targeted, Food Defense Education for Restaurants in SC*

Funding Agency: US Food and Drugs Administration, Grant # 1 U13 FD003615-01 via SC Dept of Health and Environmental Control.

USC PI: **Xirasagar, S.** Effort: 1.0 calendar month; Funding: Total = \$40,000. USC Subcontract: \$23,200 direct costs 10/01/2008 to 9/31/2009.

The study analyzed data collected from CDC-funded Food Defense Survey project to develop a targeted information dissemination approach, to reach vulnerable restaurant types, and to disseminate selected food defense information based on data analysis results.

Title: *Food Defense Survey in South Carolina*

Funding agency: CDC through the South Carolina Department of Health and Environmental Control.

USC PI: **Xirasagar, S.** Co-investigator: Smith, L. (SC DHEC Co-PI C.P. Kanwat)

Total funding: \$90,532; 08/21/2006 to 08/15/2007 CDC Grant # U90TP416976-06

This project developed an actionable, valid and reliable survey tool for SCDHEC's Division of Food Protection, and assessed the preparedness of South Carolina's commercial food service establishments to prevent bioterrorist acts.

Title: *Protecting Our Most Vulnerable Citizens: Lessons Learned from Katrina to Improve Readiness in Nursing Homes*

Funding Agency: University of South Carolina, Office of Research and Health Sciences, Coastal Resiliency Information Systems Initiative for the South East (CRISIS)

10/2005 to 03/2006; Total funding: \$25,000

PI: Ladikta, SB; Co-investigator: **Xirasagar, S.**

This project evaluated pre-Katrina disaster preparedness plans of nursing homes in Hurricane Katrina affected areas and how they worked or did not work, through phone surveys and visits to nursing homes that received evacuees from the affected areas.

Title: *Disparities in Evacuation Response: Identifying the Factors Affecting Minorities' Response to Evacuation Requests*

Funding Agency: University of South Carolina, Office of Research and Health Sciences, Coastal Resiliency Information Systems Initiative for the South East (CRISIS)

10/2005 to 03/2006; Total funding: \$25,000

Co-PIs: **Xirasagar S**, and Elder, K.

This project identified the factors influencing African Americans' response to evacuation requests in disaster situations using qualitative research in a theory driven framework. It also developed a comprehensive generic framework and survey instrument to measure ethnic and racial disparities in safety and health decisions in disasters.

Title: *Readiness is all: Experiential and Interactive Learning Modules for Public Health Preparedness*

Funding Agency: CDC funding through the Center for Public Health Preparedness, Arnold School of Public Health, University of South Carolina, Dean's Faculty Scholar Program

05/01/2005 to 08/15/2005; Total funding:\$20,000

PI: Ladikta, SB; Co-investigator: **Xirasagar, S**.

This was a project to develop education and training modules for public health students in public health preparedness for complex disasters. The project also developed an original case study on the disaster preparedness needs and perspectives of long term care institutions.

Title: *The Role of Community Boards in Community Health Centers*

Funding agency: National Rural Health Association from the Technical Assistance for Migrant and Community Health Centers Grant, Bureau of Primary Health Care, Health Resources and Services Administration, U.S. Public Health Service.

01/10/2003 to 12/31/2004; Total funding: \$40,000.

PI - Samuels, ME, University of Kentucky School of Medicine.

Co-PI and USC PI – **Xirasagar, S**.

This was an exploratory survey to examine the role of the governing boards of the federally-funded community health centers in the US to make recommendations for improving centers' functioning.

Title: *Collaborative Relationships Between Community Health Centers and Critical Access Hospitals*

Funding agency: National Rural Health Association from the Technical Assistance for Migrant and Community Health Centers Grant, Bureau of Primary Health Care, Health Resources and Services Administration, U.S. Public Health Service.

01/10/2002 to 09/30/2004; Total funding: \$30,000.

PI: Samuels, ME, University of Kentucky School of Medicine; Co-PI and USC PI: **Xirasagar, S**.

GRANT APPLICATIONS AS PRINCIPAL INVESTIGATOR, NOT FUNDED

Title: *Actualizing the full potential impact of thrombolysis on long-term disability and mortality following acute stroke: Post-discharge rehabilitation intensity and associated outcomes*

Funding agency: Genentech Inc

Role: PI

Funds requested: \$260,000 direct costs (IDCs to be negotiated on approval by the Research Council of Genentech Inc)

Submitted directly to Genentech, May 2023;

Title: *Post-stroke rehabilitation care status among the South Carolina stroke population: Improving Quality of Life, Reducing Racial and Rural Disparities*

Funding agency: SC Stroke Advisory Council, SC Dept of Health and Environmental Control

Role: PI

Funds requested: ~\$135,000 (Proposal scope of work and approximate budget submitted at request, Approved by the Stroke Advisory Council to be funded in phases. Currently in process to identify available funds FY 2022-23)

Submitted: November 2022, Revised February 2023

Status: To be submitted through USC-ERA upon approval of budget for FY2023

Title: *Quantifying the uninsurance-mediated proportion of Black-White mortality disparity among the colon surgical disease population using mediation analysis*

Funding agency: National Institute of Minority Health and Health Disparities

Funds requested: \$796,789

Submitted February 2023.

Status: Not funded

Title: *Universalizing primary health care among low-income African Americans and a practical, life-friendly knowledge resource bank for diabetes and hypertension self-management*

Funding agency: National Institutes of Health

Role: PI

Funds requested: \$3.65 million

Status: Summary statement received June 2022. Not resubmitted for lack of suitable NIH grant type to test intervention.

Title: *Improving cancer treatment and health equity in South Carolina: Real-world cancer treatment patterns, prevalence of optimum and sub-optimal treatment, treatment costs, and patient survival*

Funding agency: SC Department of Health and Environmental Control Role: PI

Funds requested: \$162,567 (Proposal submitted at request, CDC support being sought by SC DHEC, pending consideration)

Submitted May 2022

Status: Not approved by CDC for funding via SC DHEC.

Title: *Advancing health equity for Black Americans: Proportions of care access- and mortality disparities attributable to uninsured status among patients with large bowel obstruction*

Funding agency: National Institutes of Health

Role: PI

Funds requested: \$403,000

Status: Not funded

South Carolina House of Representatives, Rep. Annie McDaniel

Title: *Chester County – Say No to Colon Cancer, 80X23.* Role: PI

Submitted February 2020 at Rep Annie McDaniel's request.

Funds requested: \$100,000 per year for 2 years.

Status: Rep Annie McDaniel, representing Chester county was to procure these funds from the SC Legislature. COVID-19 broke out and the drastically reduced state budget was prioritized for emergent needs. Not funded.

Title: *Chester County, Say No to Colon Cancer: 80 by 22 Project - 80% Colonoscopy Screening of Eligible Population By 2022*

Funding agency: Chester Health Care Foundation Role: PI

Funds requested: \$50,000

First submitted: November 2019, Resubmitted scope of work in Feb 2020 for a spring 2020 start date. Foundation funds collapsed following COVID-19, no further action since.

Title: *Does Medicaid Discontinuity Impact Colorectal Cancer Care and Mortality?*

Funding agency: National Cancer Institute (NIH) 10/2020-09/2025

Submitted: 2019 Funds requested: \$1,953,971

PI: **Xirasagar, S.** Co-investigators: Zhang, J, Arrington, A.K., Kwaan, M.R

R21 MD013603

Title: *Persisting colorectal cancer disparity and deferred first screening colonoscopy.*

Funding agency: National Institute of Minority Health Disparities (NIH) 12/01/2018-12/31/2020

Funds requested: \$ 408,430

PI: **Xirasagar, S.** Co-investigators: Zhang, J, de Groen, PC.

Title: *ARRIVE-Extend: An Observational Study to Compare Costs, Resource Utilization and Quality Outcomes of Acute Ischemic Stroke Patients Treated with and without Alteplase, and/or Endovascular Treatment.*

Funding agency: Genentech Inc, submitted 2018; Funds requested: \$249,898

Status: Not funded

Title: *South Carolina Acute Stroke Registry, Paul Coverdell Stroke Project*

Agency: CDC; 08/2015 – 07/2020

Primary applicant: SC Department of Health and Environmental Control

USC subcontract PI: Xirasagar, S. Co-investigator: Khan MM. Subcontract to carry out process and outcome evaluation of the South Carolina Stroke Registry to be established under the grant. USC share: \$80,000 per year for 5 years.

Status: SC was not selected for funding among the 6 states selected for funding. Will be resubmitted with SC DHEC when the next call for state stroke registry proposals is made by CDC.

Title: *Colorectal Cancer Prevention: A Screening Colonoscopy Model Which Reduces Cost While Improving Quality and Patient Outcomes*

Agency: Center for Medicare and Medicaid Services (CMS); 04/2014-03/2017 (submitted 08/2013)

Mechanism: Health Care Innovation Awards Round Two. Funds requested: \$4.877 million

CMS number: 1C12013003730

PI: **Xirasagar, S.** Co-investigators: Horner R.D., Singh, R., Salloum, R., Hardin, J.R., Friedman, D,

Study purpose: To demonstrate an innovative screening colonoscopy service delivery model and document evidence on cost savings, quality improvement and patient centered outcomes improvement.

Title: *Continuity of Medicaid Coverage and Optimal Treatment of Colorectal Cancer*

Funding agency: American Cancer Society; Funding requested: \$475,436, first submitted April 1, 2013

PI: Xirasagar, Sudha

Study purpose: This project will study Black-White differences among South Carolina Medicaid beneficiaries on pre-surgical and post-surgical staging of colorectal cancer.

Status: *Major revisions carried out and resubmitted in October 2014, and again substantially revised and submitted in April 2015, Scored as Very Good and Excellent respectively, Resubmitted with major methodological changes in 2018, Not funded.*

Title: *Understaging in colorectal cancer vs. Black-White mortality disparities*

Funding agency: American Cancer Society submitted April 1, 2012

01/2013 – 12/ 2016. Funding requested: \$921,484

PI: Xirasagar, Sudha; Co-investigators: USC: Zhang, Jiajia, Bennett, Charlie L., Dickson, Mike, Qureshi, Zaina, Stafkey-Mailey, Dana MUSC: Ford, Marvella, Esnaola, Nestor F.

Study purpose: This project will study Black-White differences among South Carolina Medicaid beneficiaries on pre-surgical and post-surgical staging of colorectal cancer.

Title: *Racial Disparities in Colorectal Cancer Treatment among Medicaid Beneficiaries.*

Submitted June 2011

Funding agency: National Institutes of Health; [1R01CA166023-01](#)

Contact PI: Xirasagar, S., Multiple PIs: Esnaola, N.F, Ford, M. E. Other key personnel: Bennett, C.L., Qureshi, Z, Dickson, M.F., Staffkey-Mailey, D., Wallace, K.

This project was to study the receipt of and quality of treatment of colon and rectum cancer among Medicaid beneficiaries in South Carolina.

Status: Revised and resubmitted October 2015, currently under review.

Title: *Primary Care Physicians' Role in Reducing African American Colorectal Cancer Disparities*

Submitted Feb 2010.

Funding agency: National Institutes of Health; [1R01MD005888-01](#)

PI: Xirasagar, S. Key personnel: Ureda, John R., Williams, E., Oldendick, R.W., Hardin, J.W., Hurley, T.G., Moran, R.R., Friedman, D.B., Research mentor: Hebert, J.R.

Title: *Costs and Facilitators of Colonoscopy Done by Primary Care Doctors Vs. Specialists.*

Funding agency: National Cancer Institute – ARRA Challenge Grant, [1RC1CA146665-01](#); 2010

Funds requested: \$584,006.

PI: **Xirasagar, S.** Co-investigators: Ureda, J, Hardin, J, Hurley, T., Friedman, D., Hebert, J.R.

Percentile score: 7

Title: *Disseminating Need-based Food Defense Education to Restaurants in South Carolina and Evaluation of Effectiveness*

Funding Agency: US Food and Drugs Administration, subcontract through South Carolina Department of Health and Environmental Control; Funds requested: \$\$23,200; Submitted July 2009.

Title: *Physician Leadership in Quality Improvement Programs for Chronic Disease at CHCs*

Funding agency: Agency for Healthcare Research and Quality (AHRQ) – [1R01HS017941-01A1](#)

PI: **Xirasagar, S.** Co-investigators: Hardin, J, Ureda, J., Hurley, T., Baxley, E.,

Status: Not funded; Summary statement received and actions taken to address the comments, however the AHRQ budget for research declined precipitously at the time and I did not resubmit the proposal.

Title: *Physician Leadership to Improve Chronic Disease Outcomes and Patient Safety at CHCs*

Funding agency: Agency for Healthcare Research and Quality (AHRQ) – R01

PI: **Xirasagar, S.** Co-investigators: Hussein, M, Hurley, T. Submitted June 2008

Priority score: 333 Percentile score: 44.5.

Title: *Enabling Members of SC Hospital Association to Achieve Medicare Quality Goals Through Leadership Development.*

Funding agency: South Carolina Hospital Association (Concept proposal submitted)

PI: **Xirasagar, S.** Co-investigator: Hussein, M.

Submitted April 2008.

Title: *Cost-effective Food Defense Education for Restaurants in South Carolina*

Funding agency: CDC via SC Department of Health and Environmental Control

PI: **Xirasagar, S.** Co-investigators: Friedman, D, Fernandes, P.

Title: *Identifying Effective Physician Leadership Styles that Influence Clinical Providers and Impact Chronic Disease Outcomes.*

Funding agency: Robert Wood Johnson Foundation (Letter of intent only, not invited for full submission)

PI: **Xirasagar, S.** Co-investigator: Hussein, M.

Funding requested: \$330,000 in total costs over 36 months, submitted March 2008.

Title: *Innovative Culturally-Appropriate Intervention to Reduce Low Birth Weight in India*

Funding agency: National Institutes of Health (National Institute of Child Health and Human Development); 1R03HD057738-01

PI: **Xirasagar, S.** Co-investigators: Friedman, D., Fernandes, P.

Funding requested: \$141,360 over 2 years; submitted April 2007.

Title: *Building Human Capital: Identifying Effective Physician Leadership Styles that Influence Clinical Providers to Adopt Evidence-Based Medicine.*

Funding agency: Robert Wood Johnson Foundation (Letter of intent only, not invited for full submission)

PI: **Xirasagar, S.** Co-investigator: Samuels, M.E.

Funding requested: \$330,000 in total costs over 36 months, submitted February 2007.

Title: *African American Men's Participation in Clinical Trials for Prostate Cancer Treatment: An Examination from the South.* 3 U01 CA114601- 01S1 (parent grant PI: Hebert J.R.)

Funding Agency: National Cancer Institute, under the South Carolina Cancer Disparities Network grant.

Project Leader (PI): **Xirasagar, S.** CoPI: Elder, K. Co-investigators: Heiney, S,P., Walker R.

Funding requested: \$49,979 in direct costs, submitted April 2006.

Title: *Innovative Project on Physician Leadership Styles to Reduce Health Disparities*

Funding agency: Agency for Healthcare Research and Quality; 1R03HSO16422-01

PI: **Xirasagar, S.** Co-investigators: Laditka, JN, Anderson, CB.

Funding requested: \$100,000, submitted October 2005

This study will survey community health center physician providers to verify the validity of physician leadership styles that impact physician subordinates for superior clinical outcomes under HRSA's Health Disparities Collaboratives.

Title: *Physician Leadership in Community Health Centers as a Catalyst to Reduce Health Disparities*

Funding agency: US DHHS, Health Resources and Services Administration, Office of Rural Health Policy, One-year Rural Health Research Grant Program.

PI: **Xirasagar, S.** Co-investigator: Matteo, B

Funding requested: \$149,626, submitted April 2006

This project will survey non-physician providers of community health centers to verify the physician leadership styles that positively impact non-physician providers' clinical performance relative to reducing health disparities. It builds upon pilot findings showing that if the medical director had a transformational leadership style, the community health center's achievement of disease management goals was significantly superior relative to those with laissez-faire leadership style.

Status: Returned without review on grounds of USC having a funded Rural Health Research Center.

Title: *Improving Nursing Home Leadership for Service Quality Improvement in South Carolina*

Funding agency: South Carolina Dept of Health and Human Services, through Carolina Medical Review, Columbia South Carolina.

PI: **Xirasagar, S**

Funding requested: \$69,000

Title: *Physician Leadership in Community Health Centers as a Catalyst to Reduce Health Disparities*

Funding agency: US DHHS, Health Resources and Services Administration, Office of Rural Health Policy, One-year Rural Health Research Grant Program.

PI: **Xirasagar, S.** Co-investigator: James F. Laditka

Funding requested: \$149,626, submitted May 2005

Comment: Missed funding, being scored fifth among the proposals received at HRSA (four were funded).

Comments received and used for the revised proposal in April 2006

B. Intramural (USC), Not funded

Title: *Colonoscopy Screening: Pilot Project on Effectiveness in Preventing Colorectal Cancer, Critical Quality Factors, and Evidence Base for Medicare Pay-for-Performance Benchmarks Using Medicare Data*

Funding agency: University of South Carolina Office of Research, ASPIRE-II

06/01/2013 -07/31/2014 Total funding: \$100,000

PI: Xirasagar, S. Co-investigators: Khan, MM, Lopez-DeFede, A, de Groen P.

GRANT APPLICATIONS AS CO-INVESTIGATOR, NOT FUNDED

Title: *Hybrid Human-Machine Interactive Intelligent (HMII) System for Colorectal Cancer Screening*

Funding agency: National Science Foundation IDEA Machine – EAGER projects (Early concept Grants for Exploratory Research).

Funds requested: \$100,000

Concept proposal submitted March 1, 2020

Role: Co-PI; (PI: Hu, J, Dept of Computer Science)

Title: *Colorectal cancer prevention by screening colonoscopy: Artificial intelligence-enabled detection of incorrect polypectomy technique.*

Funding agency: Betty and Gordon Moore Foundation, RFA: Clinical Measures to Improve Diagnosis.

Preliminary application submitted by PI, June 2020. Not invited for full proposal submission.

Role: Consultant (PI: Piet de Groen, University of Minnesota)

TEACHING

Current

HSPM 800 Doctoral seminar – 1 credit. Developing an NIH grant – Preparing the Study Significance and Conceptual Framework.

Advanced Topics in Health Policy and Management – I HSPM 845: Health System Design, Financing and Performance.. Core course in the HSPM doctoral program.

International Health – Problems, Systems, Policies, & Program Management (Graduate) – HSPM J772: Elective for master's and doctoral students university-wide (taught in studio setting for distance-based format)

Taught in earlier years

Advanced Topics in Health Policy and Management – II HSPM 846: Health Care Content, Design and Delivery. Core course in the HSPM doctoral program.

Approaches and Concepts for Healthcare Administration HSPM 700, Core course for the MPH program

PROFESSIONAL AFFILIATIONS

Member, American Public Health Association, the national society of public health professionals and researchers.

Member, Global Health Council, the professional society of international health professionals

Member, Population Reference Bureau, a professional organization on international demographic and population issues.

JOURNAL EDITORIAL BOARDS

Associate Editor, *BMC Health Services Research*, November 2010 to present

HONORS & AWARDS

Thomson-Reuters Highly Cited Researchers 2016.

Nominated to the James A. Keith Best Teacher of the Year award, Arnold School of Public Health – 2009 and 2010

Delta Omega Society, Mu Chapter

AWARDS RECEIVED BY MENTORED STUDENTS/FELLOWS

Yuqi Wu, selected for Best student paper award, American Public Health Association national meeting, Nov 5-9, 2022, Boston, MA, APHA Medical Care section.

Yang Ren, doctoral student mentee from the Computer Science department presented our work on use of machine learning methods in stroke patient outcomes: “Racial differences in risk factors driving poorer stroke recovery among Blacks: Machine Learning findings from South Carolina cohort data. American Public Health Association, 145th annual meeting, Virtual, October 23-27, 2020. Student paper competition oral presentation session, Oral presentation. Best Student Paper Award, Medical Care Section of APHA.

Lumi Bakos, Doctoral advisee, awarded Junior Scholar award by the South Carolina SmartState Center for Healthcare Quality (CHQ), September 2016 (Arnold School level award)

Yi-Jhen Li, Doctoral student, Dean’s Travel Awards, Arnold School of Public Health, University of South Carolina, Podium presentations at the American Public Health Association meetings, November 2013, October 2012, November 2010.

Yi-Jhen Li, American Public Health Association 141st Annual Meeting November 4-8, 2013 Medical care Section Student Session Award for best abstract awarded to Yi-Jhen Li for doctoral dissertation research abstract:

Yi-Jhen Li, Doctoral student, Dean’s Travel Award, Arnold School of Public Health, University of South Carolina, Poster presentation at the Academy Health’s Annual Research meeting, Baltimore, June 2013

Meng Han Tsai, Doctoral student, Dean's Travel Award and USC Graduate School Travel Award, Arnold School of Public Health, University of South Carolina, poster presentation at the American Public Health Association meeting, Washington DC, November 2013

South Carolina Academy of Sciences. Horace Byrne Explorers Club Award for Outstanding Frontier Science by a Graduate Scientist awarded to Yi-Jhen Li, PhD candidate for mentored research presentation on "Impact of an interactive HIV-education Module for College Students and Health Worker Trainees," Annual meeting 2010, April 9, 2010 at Charleston.

DOCTORAL DISSERTATIONS SUPERVISED (COMMITTEE CHAIR)

Zixiao Nan, "Prevalence and drivers of chronic metabolic condition self-management behaviors and health status of the US general population and the population of community health center patients with these conditions," in progress, expected graduation fall 2024.

Asma Alzaharani, "Association of prior periodontal disease with cancer – Exploring epidemiologic evidence of periodontal exudate-exposed site cancer risk versus remote gastrointestinal sites," fall 2022

Yuqi Wu, "Identifying racial differences in colorectal polyp profile at screening colonoscopy using traditional regression modeling and machine learning approaches," fall 2022

Monique Williams, "Referral and utilization of oral health services pregnant women and association with maternal and child health outcomes – a study using South Carolina PRAMS data," Graduated fall 2020.

Tsai, Meng-Han, "Frequency of Colonoscopy Surveillance in Average-risk Adults Relative to Guideline Recommendations." Spring 2016

Yi-Jhen Li, "Comparison of quality of screening colonoscopy between primary care physicians and specialists as a function of protocol elements," Summer 2013.

Hasan Areabi, "Relative Contribution of Care Process vs. Patient Factors in the Likelihood of Ventilator-Acquired Pneumonia and Related Mortality Among ICU Patients," Summer 2012

Lisa Melvin, "Profile of Diabetes-Related Lower Extremity Amputations: Incidence, Costs and Utilization Patterns Associated with Payer Type and Plan Type," Summer 2012

Andre Melvin. "Hospital Ownership vs. Intensity of Care Provided to Patients with Selected High-cost Conditions – A Nationwide Study," Summer 2012

Margarita Pate. "Hospital Cost shifting Behavior for Selected High-Cost Conditions Under Medicaid Managed Care Burden – A Nation-wide Study," Summer 2012

Sean Wu, "Association of Medication Compliance Rate with Stroke Incidence Among Adult Onset Diabetes Patients in Taiwan" Spring 2012.

David Chaokai Chang, "Global Budgeting - Do Providers Progress from Dysfunctional Tragedy of the Commons Behavior to a Cooperative Nash Equilibrium." fall 2010.

Lekhena Sros, "Diminution of geographic disadvantage of racial and underserved population by training primary care doctors in colonoscopy," spring 2010.

John Fuh, “A Comparison of Birth Outcomes of Native and Foreign-born Mothers in Taiwan and the Factors Impacting the Differences,” fall 2009.

Keith Shah, “Current Status and Emerging Trends of International Medical Outsourcing in the United States – A Qualitative Study,” fall 2007 (Dissertation co-chair).

DOCTORAL DISSERTATIONS COMMITTEE MEMBER (Currently active only listed)

Tianchu Lyu, “Predictors of pre-eclamptic toxemia of pregnancy and its impact on pregnancy and newborn outcomes using EHR data,” expected graduation summer 2024.

HONORS COLLEGE THESIS (Current AY2023-24 year only listed)

Ashna Desai, Pros and cons of universal healthcare in the US for breast cancer patients, 2nd reader.

LANGUAGE SKILLS

French: Basic French (comprehend and speak simple conversational and written French)

Five Indian Languages: Fluent in conversation, four languages with reading capability.

SERVICE

University Committee on Tenure and Promotion (UCTP), AY 2020 to AY2022-23

Chair, Criteria and Procedures sub-committee of UCTP, AY2022-23

Member, South Carolina Stroke Advisory Council, South Carolina Department of Health and Environmental Control, 2022 to present

Member, Rehabilitation subcommittee, South Carolina Stroke Advisory Council,

NIH Study Section, Health Services Organization and Delivery – Grant proposal reviewer (ad hoc)

NIH Study section, ARRA Challenge Grants, Grant proposal reviewer (ad hoc) 2009

Judge, USC Discovery Day, 2016-Present

Judge, University of South Carolina Science Fair for Midlands School Districts, 2022, 2023

Journal referee

American Journal of Managed Care

American Journal of Public Health

BMC Health Services Research

BMC Public Health

BMC Cancer

British Medical Journal Open Access

British Medical Journal Global Health

British Journal of Obstetrics and Gynecology

Cancer

Cancer Epidemiology, Biomarkers and Prevention

Gut, British Medical Journal group

Health Care Management Review

Health Policy

Health Promotion Practice
Inquiry
International Journal of Cancer
International Journal of Psychology
Journal of General Internal Medicine
Journal of Health Administration Education
Journal of Health Disparities Research and Practice
Journal of Health Organization and Management
Journal of Health Psychology
Journal of Public Health Management and Practice
Journal of Infection and Public Health
Journal of Public Health
Medical Care
PLoS One
Social Science and Medicine
Southern Medical Journal
World Journal of Gastroenterology

Referee for national scientific conferences

- *American Public Health Association 140th Annual Meeting 2012, Medical Care Section, and Health Services Research section abstracts*
- *American Public Health Association 139th Annual Meeting 2011, Medical Care Section, and Health Services Research section abstracts*
- *American Public Health Association 138th Annual Meeting 2010, Medical Care Section, and Health Services Research section abstracts*
- *American Public Health Association 137th Annual Meeting 2009, Medical Care Section, and Health Services Research section abstracts*
- *American Public Health Association 136th Annual Meeting 2008, Medical Care Section, Reviewer, History of Public Health sub-section abstracts*
- *American Public Health Association 136th Annual Meeting 2008, Medical Care Section, Reviewer, Health Services Research sub-section abstracts*
- *Global Health Council 2008 Annual Conference, Primary Health Care Abstracts reviewer*
- *American Public Health Association 135th Annual Meeting 2007, Medical Care Section, Reviewer, Solicited Session Abstracts*
- *American Public Health Association 135th Annual Meeting 2007, Medical Care Section, Reviewer, Quality Improvement sub-section abstracts*
- *American Public Health Association 135th Annual Meeting 2007, Medical Care Section, Reviewer, Health Services Research sub-section abstracts*
- *American Public Health Association 133th Annual Meeting 2005, Women's Issues Section.*

RESEARCH & CONSULTING IN GLOBAL HEALTH

Prior to beginning doctoral training at the University of South Carolina in 1997, Dr. Xirasagar directed the Training and Research Division at the Indian Society of Health Administrators, in India. She developed and conducted hospital and health administration training programs for physicians, nurses, and public health care administrators, obtained grants for public health, health services and management research, and health education projects, and directed these projects. Dr. Xirasagar also has extensive research and consulting experience in India in the areas of reproductive health, women and child health issues, and communicable diseases, notably HIV-AIDS, tuberculosis, and malaria. Selected projects and accomplishments are listed below.

Leadership as Principal Investigator

Title: *Health Care Waste Management and Radiation Hazards from Diagnostic X-ray Installation Facilities in Hospitals and Nursing Homes in two major cities of Karnataka State, India.*

Year: FY1996-97

Funding Agency: Environmental Fund for NGOs, a non-government organization (NGO) focused on environmental issues in developing countries.

Led a team of four researchers. Findings of this study culminated in workshops in Bangalore city for hospital managers and owners on safe waste disposal methods.

Title: *Preparation of Proposals for Strengthening Government Secondary level Hospitals with a cross-subsidizing sliding fee scale to cover indigent population care in the State of Kerala*

Year: 1996-97

Funding agency: World Bank through Government of Kerala.

Led a team of two investigators. The proposal was developed based on an assessment of current infrastructure, comprehensive assessment of health and illness profile, present infrastructure, and projected needs by 2010.

Title: *Comprehensive Study of Reproductive Health of Women, and Factors influencing Child Survival and Safe Motherhood in Karnataka State*

Year: 1996-97

Funding agency: UNICEF and Department of Women and Child Development, Govt. of Karnataka.

Led a team of 16 field researchers. Findings of the study led to a comprehensive action plan by the Department of Women and Child Development to enhance the role of government-sponsored toddler care and supplementary nutrition centers for mother and child health promotion. The study showed significant nutritional and pre-school child educational improvements over Dr Xirasagar's survey seven years earlier in the backward districts of the state.

Title: *Health and Nutritional Status of the Female Child in Rural Karnataka, to Enable Development of a State Action Plan for Female Child Health and Development*

Year: 1995

Funding agency: UNICEF and Department of Women and Child Development, Govt. of Karnataka.

Survey covered over 6000 rural families with children in the age group 0-6 years, in rural Karnataka. Findings of the study stimulated awareness of the dynamics of the problem, stimulated a drive to sensitize district and local child development program officials and workers to female child issues, and contributed significantly to developing the state action plan for female child health development.

Title: *Comprehensive Study of Health Status of Youth in Poor Neighborhoods of a Major Metropolitan City - Bangalore*

Year: 1993

Funding agency: Department of Science and Technology, Government of India.

The study covered 1048 female and 945 male youth in 25 neighborhoods of concentrated poverty, selected on stratified random sampling basis. Findings showed major issues of sexual health, reproductive health, education and self-esteem, risky sex behaviors, and general health issues among adolescents. Based on this study, Dr Xirasagar directed a major educational intervention program targeting adolescents and young parents. The study findings have had far-reaching impact on her understanding of the dynamics of families in poverty, illiteracy, and counter-productive risk behaviors, and this has enabled a comprehensive understanding of the scope of community intervention projects in poor communities.

Co-Principal Investigator and Co-investigator

Title: *Evaluation of the impact of 60 Non Government Organizations (NGO) in five southern states and one Union Territory, assisted by the Government of India for Family Planning and Mother and Child Health facilitation in difficult areas/hard to reach populations*

Year: 1995

Funding agency: Ministry of Health & Family Welfare, Government of India

Led a team of three investigators to evaluate the impact of the NGO in terms of family planning adoption and childhood immunization, surveying the population covered using a quasi experimental design

Title: *Evaluation of the Impact of Widows' Pension and Maternity allowance for Landless Agricultural Laborers in Karnataka State, on Women and Children's Health*

Year: 1995

Funding agency: Department of Women and Child Development, Government of Karnataka

The survey covered about 2500 agricultural women laborers and their children, and 2500 widows in about 360 villages selected from 50% of district sub-divisions. Findings of this study led to revamping of the logistics of these two programs for better identification of target beneficiaries.

Title: *Preparation of Project Proposals for Strengthening Family Welfare and Mother and Child Health Infrastructure with World Bank Assistance for six North-Eastern States of India,*

Year: 1994

Funding agency: World Bank through the Govt. of India's Ministry of Health and Family Welfare.

Led the project planning and participated as member of a two-person team of researchers. The proposals formed the basis for World Bank assistance for improving health and family welfare infrastructure, based on comprehensive assessment of present health and infrastructure status and future needs by 2010.

Title: *Technical and administrative assistance to USAID in strengthening (Non-Government Organizations (NGOs) for mother and child health and family welfare work, in rural/tribal areas, and the urban poor of India, under the Project for Voluntary Organizations in Health (PVOH) Scheme*

Year: 1992-94

Funding agency: USAID and Ministry of Health & Family Welfare, Government of India

Dr Xirasagar was responsible to coordinate the Project, serve as a key trainer, coordinate the training programs, and prepared the reports. It involved capacity-building among USAID's recipient NGOs for establishing sustainable, community-based reproductive health, nutrition and health promotion activities, and general community development. Technical assistance covered training and leadership development, publication of training materials/perspective documents, qualitative evaluation of performance, and documentation of model projects. Following the intervention, a number of fledgling NGOs picked up speed and continue to serve the population long after USAID support was terminated. A number of them continue to attract accolades at the national level for innovative community development work. Based on this project, Dr Xirasagar was responsible to prepare the policy document, "The Third Force in Health Care – The voluntary sector", subsequently used as training material for civil service administrators,

NGO donor agencies, training organizations in rural health, medical college preventive medicine departments, and government health departments.

Title: *Study of Present Stock of Health Manpower and Projected requirements by 2000, and 2020, in five Southern States, one North Eastern State and one Union Territory of India.*

Year: 1992

Funding agency: World Health Organization through the Ministry of Health and Family Welfare, Government of India

Participated in a team of six researchers. Led the questionnaires development, plan of data collection, coordinating project logistics, and field research in three states. Lead author in writing the report. The report generated considerable debate and impact in policy circles, in the light of some key findings related to primary care physicians and specialist manpower.

Title: *Study of Organizational, Program, and Community Factors in Malaria Resurgence in Karnataka*

Year: 1992

Funding agency: Indian Council of Medical Research, and the Government of Karnataka.

Participated in a team of eight researchers. Led the development of the research project plan, data collection, data analysis and report preparation. The methodology involved selection of the best and worst performing districts of the four regions of the state, based on malaria program performance data, and state-level as well as Primary Health Center level performance evaluation, key informant interviews with malaria program personnel, and community surveys in villages selected by program relevant factors. Findings of the survey established the critical role of program logistics rather than insecticide or parasitic drug resistance in the problem of endemic malaria in Karnataka and similarly positioned states. The study led to corresponding shifts of emphasis of program managers to program logistics and monitoring.

Unfunded, intramural research (Principal Investigator/Co-investigator)

Title: *Study of the efficacy of supervised regimen of twice weekly high dose isoniazid and streptomycin in treatment of acquired isoniazid resistance under conditions of District Tuberculosis Program in India.*

Year: 1986-88

Employer: National Tuberculosis Institute, Government of India, Bangalore

Title: Co-investigator: *Study of the operational efficacy and applicability of two short-course chemotherapy regimens under urban tuberculosis program conditions.* 1987-89.

Year: 1987-89

Employer: National Tuberculosis Institute, Government of India, Bangalore.

COMMUNITY HEALTH EDUCATION AND SERVICE PROJECTS

Title: *Healthy Lifestyle and HIV AIDS awareness education covering about 1500 students of girls' high schools, and 2000 Bus drivers and conductors of the Karnataka State Road Transport Corporation, Year: 1996-1997*

Funding agency: Government of Karnataka, India.

Title: *Half-day awareness sessions for leaders of 60 NGO partners of the Christian Children's Fund, in South India, on "Mother and child health and HIV-AIDS prevention"*

Year: 1995-96

Funding agency: Christian Children's Fund, India.

Title: *2-day workshops for rural male and female youth leaders of five district subdivisions of Belgaum*

District in Karnataka state, on “Promoting the family’s physical, mental and emotional health and prevention of HIV-AIDS in the community”.

Year: 1996-97

Funding agency: MYRADA, a rural women’s development NGO headquartered at Bangalore.

Conducted five workshops covering 200 youth leaders on self-development and HIV prevention.

Title: Half-day educational sessions on “Developing lifestyles and attitudes for physical, mental and emotional health, and HIV-AIDS prevention”for high school children” Year: 1996-97

Funding agency: Karnataka State Government, Department of Education.

The project consisted of half day health education sessions for about 1500 high school girls of public and missionary schools chiefly serving lowermiddle classes and below poverty population of Bangalore, to impart knowledge/skills for healthy self-development and HIV-AIDS prevention.