

CURRICULUM VITAE

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Associate Professor

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RESEARCH INTERESTS

- Data mining, statistical learning and health information technology
- Research methodology and causal inference in public health
- Mental health in population
- Diffusion of emerging health technology and disparities in access of care
- Disparities in health and quality of health care in chronic disease management
- Quality of health care research among U.S. elderly Medicare population
- Cancer Epidemiology, prevention, and survivorship
- Application of geographic information system (GIS) in public health

EDUCATION

June, 2008 **MS, Statistics**
School of Statistics, University of Minnesota, Twin Cities, MN
Thesis: Generalized Linear Mixed Model with Crossed Random Effects
Advisor: Dr. Sanford Weisberg

June, 2003 **PhD, Epidemiology**
Division of Epidemiology and Community Health
School of Public Health, University of Minnesota, Twin Cities, MN
Dissertation: Environmental and Genetic Correlates of Obesity
Advisors: Drs. Pamela J. Schreiner, David R. Jacobs, Jr.

July, 1994 **MD, Preventive Medicine** (Bachelor of Medicine)
Shanghai Medical University (now Medical College at the Fudan University)
Shanghai, China

PROFESSIONAL EXPERIENCE

- Sept. 2015 – Associate Professor (with tenure)
Coordinator, Epidemiology PhD program
- 2010 – 2015 Assistant Professor
School of Public Health, University of Memphis, TN
Division of Epidemiology, Biostatistics and Environmental health
- 2009 – 2010 Assistant Professor
Health Professions Division, Nova Southeastern University, FL
Public Health Program, College of Osteopathic Medicine
- 2003 – 2009 Research Associate
School of Public Health, University of Minnesota, Twin Cities, MN
Division of Health Policy and Management
- 1999 – 2003 Research Assistant
School of Public Health, University of Minnesota, Twin Cities, MN
Division of Epidemiology and Community Health
- 1994 – 1999 Instructor
School of Public Health, Shanghai Medical University, Shanghai, China
Department of Epidemiology
- Spring 1994 Public Health (Preventive Medicine) Internship
Disease Prevention District Center, Shanghai South City District, Shanghai, China
- 1992 – 1993 Clinical Internship/rotation
Shanghai 5th Hospital (Tertiary referral hospital), Shanghai, China
Including internal medicine, cardiology, oncology, surgery, and pediatrics

TEACHING EXPERIENCE

University of Memphis, Memphis, TN

School of Public Health

Graduate level courses

- 2013 – 2018 Epidemiology PhD Compressive exam advanced review session (Summer and Spring).
2017 Public Health Summer Institute,
One day Stata workshop, and one day causal inference workshop
- 2015 – Epidemiology in Public Health I. Onsite (Fall) Online (Summer and Fall).
- 2011 – Epidemiology of Chronic Diseases (Fall).
- 2016 – Introduction to Human Diseases in Public Health (Spring).
- 2016,18,20 Cancer Epidemiology (Spring).
- 2012, 2014 Epidemiology in Public Health II (Fall).
- 2013,15,16, 18,20 Master's Project Seminar. (Spring, co-teaching).

2013 Epidemiological Survey Methods. Online (Spring, co-teaching).
 2010 – 2019 Public Health Research (independent study).

Nova Southeastern University, Fort Lauderdale, FL

Public Health Program

Graduate courses

2010 Community Health Assessment (Summer, online).
 2009 – 2010 Epidemiology (Fall, Spring, online and onsite).

University of Minnesota, Twin Cities, MN

Division of Health Policy and Management, School of Public Health

2004 Community Health Assessment (Graduate course), (Spring, guest lecturer)

University of Minnesota, Twin Cities, MN

Division of Epidemiology and Community Health, School of Public Health

2002 Epidemiology I (graduate course), (Fall, teaching assistant)

MENTORING EXPERIENCE

University of Memphis, Memphis, TN

School of Public Health

2010 – Mentor to 20 MPH students, 12 of them have graduated
 Advisor to 4 PhD students, one has graduated (Ransome Eke)

Nova Southeastern University, Fort Lauderdale, FL

Public Health Program

2009 – 2010 Mentor to 7 MPH students, 3 of them graduated
 2009 – 2010 Preceptor for student fieldwork at Broward Regional Health Planning Council

University of Minnesota, Twin Cities, MN

Division of Health Policy and Management, School of Public Health

2003 – 2009 Co-Advisor for graduate students in health services research

RESEARCH GRANTS/CONTRACTS

Funded:

Department of Defense (PRARP), Mild traumatic brain injury (mTBI) and risk of dementia among VA population. Subaward with University of Tennessee Health Science Center
 Role: PI (UM), 9/1/2019-8/31/2023. 10% efforts

University of Memphis, Data Science Cluster. Predicting short-term mortality in lung cancer patients.
 Role: PI. 4/1/2019-3/31/2020. \$15,000

University of Tennessee HSC. Department of Clinical Pharmacy. Community Pharmacy Evaluation

Role: PI. 5/1/18-12/31/18. \$7,500 (sub award)

University of Tennessee HSC. School of Pharmacy. Analysis in Treatment of Vulvodynia

Role: PI. 12/01/17-11/30/18. \$10,000 (sub award)

University of Tennessee HSC. iRISE - Institute for Research, Innovation, Synergy, and Health Equity - CTSA (J. McCullers (PI) James Gurney (site PI))

Role: Investigator. 20% effort. 06/01/16-06/30/18. \$40,000 (sub award)

Memphis Research Consortium (MRC): Quality of care in lung cancer among US elderly

Role: Principle Investigator. 1/2016-6/2017 (\$2, 2000)

PCORI: Multidisciplinary Bridge across the Quality Charm in the Thoracic Oncology

Role: Investigator, 7% effort, April 2014 to April 2016. (PI: Raymond Osarogiagbon)

NIH/NCI (R01CA172253): Dissemination and implementation of a corrective intervention to improve mediastinal lymph node examination in resected lung cancer

Role: Investigator, 10% effort, April 2013 to April 2016.(PI: Raymond Osarogiagbon)

Baptist Healthcare Memorial Foundation: Health Care Utilization and Cost among Elderly with Alzheimer's disease, under the project "Community Assessment of Alzheimer's Disease".

Role: Co-PI. 06/01/2011-05/31/2012. \$100,000

University of Memphis Faculty Research Award: Quality of Care in Mental Health among Elderly Medicare Beneficiaries with Depression

Role: Principle Investigator, 06/01/2011-05/31/2012. \$6,500

SPH, University of Memphis: Health Disparities in Health Services Use in Shelby County.

Center for Health Equity Research and Promotion (CHERP)

Role: Principle Investigator, 2011-2012. \$5,500

Nova Southeastern University, FL. Treatment Patterns for Depression among Elderly Medicare Population. (Chancellors Faculty Research and Development Grant)

Role: Principle Investigator. 2010. \$10,000

Not funded:

NIH: Moving Toward a More Complete Understanding of Migraine: An Integrated Biopsychosocial Analysis

Role: investigator, 10% effort, (PI: Frank Andrasik), \$382,340 (not funded)

NIH: The Role of Gut Microbiota in RSV Disease Severity

Role: Investigator, 10% effort (PI: Dahui You), \$35, 201 (UM portion). (not funded)

NIH/NCI: Improving N1 lymph node examination in a high US lung cancer mortality region

Role: Investigator, 10% effort (PI: Raymond Osarogiagbon) (not funded)

Robert Wood Johnson Foundation: Evaluating Hypertension intervention in Memphis Communities (with Christ Community Health Services).

Role: Principle Investigator, 10% effort (not funded) 6/2016-6/2017

NIH/NHLBI: Metabolic Syndrome, Arterial Stiffness and Cardiovascular disease using Jackson Heart Study

Role: Investigator (PI: Fawaz Mzayek) 2015. (not funded)

NIH/NIA: Race, Residential Segregation and Health Care among Elderly in Mid-South Region

Role: PI. Priority score 48. (RO3) 2011. (Not funded)

NIH/NIA: Contextual Effects and Disparities in the New Benign Prostate Hyperplasia(BPH) Surgical Treatments among Elderly Men

Role: Principle Investigator. Priority score: 19%, R21(not funded)

PROFESSIONAL DEVELOPMENT

University of Memphis, TN

April 2017 Casual mediation analysis (Dr. Tyler VanderWeele), two day workshop

2012 – Faculty learning on teaching, researching, and working

Aug 2010 Research Ethics Training

Nova Southeastern University (through Citiprogram.org)

July 2009 Research Ethics Training

University of Minnesota, Research Data Assistance Center,

May, 2005 Using SEER-Medicare Data for Research (one day workshop)

Oct, 2003 Introduction to the Use of Medicare Data (two and half day workshop)

AcademyHealth Health Services Research Methods Workshop

June, 2003 Risk Adjustment in Health Services Research (one day research seminar)

University of Minnesota

Division of Epidemiology and Community Health, School of Public Health,

Spring, 2002 Teaching in Epidemiology (semester long course)

May, 2001 Ethics in Human Research (one day workshop)

PROFESSIONAL MEMBERSHIP

2008 – Sigma Xi Scientific Society. Full member, Epidemiology

2003 – AcademyHealth Association, Health Services and Policy Research

2002 – American Public Health Association. Epidemiology

HONORS AND AWARDS

2009 – Member. Delta Omega Honorary Society of Public Health

1998 Lianbang Medicine Prize. Shanghai Medical University, Shanghai, China

AD HOC REVIEWER EXPERIENCE

- 2011 – BMC Public Health, Medical Oncology, BMC Health Services Research, PLOS One
 2010 – Gynecologic oncology
 2008 – Journal of Cancer Survivorship (Associate editor)
 Journal of Urology, Journal of Clinical Oncology

COMMUNITY ACTIVITIES

University of Memphis, School of Public Health

- 2015 – Coordinator of Epidemiology PhD program
 2013 – Epidemiology PhD Exam Committee (chair)
 2010 – Member of Epidemiology PhD Admission Committee
 2010 – 2013 Member of Biostatistics Faculty Search Committee
 Member of Epidemiology Faculty Search Committee
 2012 – 2015 Member of Research Computing Advisory Committee (campus wise)

Broward Regional Health Planning Council, FL

- 2009 – 2010 Member of Broward County Health Planning Committee

Nova Southeastern University, FL, Public Health Program

- 2009 – 2010 Member of Admission Committee, Curriculum Development Committee,
 Student Progress and Advancement Committee
 2009 – 2010 Statistical Consultant
 2009 – 2010 Faculty Interviewer for medical student admission

Greater Memphis United Chinese Association, Memphis, TN

- 2014 – President

Greater Memphis Chinese School (300+ students), Memphis, TN

- 2011 – School administrator

Minnesota Minghua Chinese School (400+ students), MN

- 2006 – 2009 School Administrator

GOVERNMENT REPORTS

1. McBean AM, Yu X. Post-coverage Analysis of the Outcomes Following Surgical Treatment among Elderly Medicare Men of Benign Prostate Hypertrophy. **Center for Medicare and Medicaid Services**. June, 2005. <http://www.cms.hhs.gov/DeterminationProcess/Downloads/PCABPH.pdf>
2. Holtzman JL, McBean AM, Yu X, Caldwell DS, Frank BD. Post-coverage Analysis of Transmyocardial Revascularization (TMR) among Medicare Beneficiaries. **Center for Medicare and Medicaid Services**. Feb, 2005. <http://www.cms.hhs.gov/DeterminationProcess/Downloads/PCATMR.pdf>

BOOK CHAPTER

1. **Yu X.** Epidemiology of Cancer Recurrence, Second Primary Cancer and Comorbidity among Cancer Survivors. In *Quality Health Care for Cancer Survivors*. Feuerstein M, Ganz PM. editors. Springer, 2011

PUBLICATIONS (peer-reviewed)

1. **Yu X.** Health service inequalities during the COVID-19 pandemic among elderly people living in large urban and non-urban areas in Florida, US. *Sage Open Medicine*. 2020
2. **Yu X.** Modelling the return of the Modeling Return of the Epidemic: Impact of Population Structure, Asymptomatic Infection, Case Importation and Personal Contacts. *Travel Med Infect Dis*. 2020 Sep-Oct;37:101858. doi: 10.1016/j.tmaid.2020.101858. Epub 2020 Aug 27.
3. **Yu X.** Impact of mitigating interventions and temperature on the instantaneous reproduction number in the COVID-19 pandemic among 30 US metropolitan areas. *One Health*. 2020 Dec;10:100160. doi: 10.1016/j.onehlt.2020.100160. Epub 2020 Aug 22.
4. **Yu X.** Risk Interactions of Coronavirus Infection across Age Groups After the Peak of COVID-19 Epidemic. *Int. J. Environ. Res. Public Health* 2020, 17
5. Chavan PP, Kedia SK, Mzayek F, Ahn S, **Yu X.** Impact of self-assessed health status and physical and functional limitations on healthcare utilization and mortality among older cancer survivors in US. *Aging Clinical and Experimental Research*. 2020, <https://doi.org/10.1007/s40520-020-01654-5>
6. **Yu X**, Duan J, Jiang Y, Zhang H. Distinctive trajectories of COVID-19 epidemic by age and gender: a retrospective modeling of the epidemic in South Korea [published online ahead of print, 2020 Jul 2]. *Int J Infect Dis*. 2020;S1201-9712(20)30536-1. doi:10.1016/j.ijid.2020.06.101
7. **Yu X.** Assessing Epidemic Trend in Real Time with a Simple Ratio Plot [published online ahead of print, 2020 Jun 29]. *Am J Epidemiol*. 2020;kwaa123. doi:10.1093/aje/kwaa123
8. Nekhlyudov L, Duijts S, Hudson SV, Jones JM, Keogh J, Love B, Lustberg M, Smith KC, Tevaarwerk A, **Yu X**, Feuerstein M. Addressing the needs of cancer survivors during the COVID-19 pandemic [published online ahead of print, 2020 Apr 25]. *J Cancer Surviv*. 2020;1-6. doi:10.1007/s11764-020-00884-w
9. Guo Q, Wang B, Cao S, Jia C, **Yu X**, Zhao L, Dellarco M, Duan X. Association between milk intake and childhood growth: results from a nationwide cross-sectional survey [published online ahead of print, 2020 Jun 16]. *Int J Obes (Lond)*. 2020;10.1038/s41366-020-0625-4. doi:10.1038/s41366-020-0625-4
10. Wang T, Lu Y, Zhou P, Huang S, **Yu X.** A Randomized Controlled Comparison of Epidural Analgesia Onset Time and Adverse Reactions During Labor With Different Dose Combinations of Bupivacaine and Sufentanil. *Clin J Pain*. 2020;36(8):612-617. doi:10.1097/AJP.0000000000000837

11. Li Y, Akkus C, **Yu X**, Joyner A, Kmet J, Sweat D, Jia C. Heatwave Events and Mortality Outcomes in Memphis, Tennessee: Testing Effect Modification by Socioeconomic Status and Urbanicity. *Int J Environ Res Public Health*. 2019 Nov 18;16(22).
12. Hohmeier KC, Garst A, Adkins L, **Yu X**, Cost M. The Optimizing Care Model: A novel community pharmacy approach to enhance patient care delivery by leveraging the technician workforce through technician product verification. *Journal of the American Pharmacists Association*. 2019, 59(6), 880-885.
13. Wang Y, Gieschen H, Greenberger M, **Yu X**, Tian G, VanderWalde N, Stockstill T, Farmer M, Rinker L, Izaguirre EW, Somer B, Ballo MT. Survival After Robotic-Assisted Prostatectomy for Localized Prostate Cancer: An Epidemiologic Study. *Ann Surg*. 2019 Oct 28.
14. Chavan PP, Kedia SK, **Yu X**. Impact of Physical and Functional Limitations on Health Care Utilization in Older Cancer Survivors: A Medicare Current Beneficiary Survey -*Journal of Aging and Health*. September 2019.
15. Mzayek F., Wang LE, Relyea G, **Yu X**, Terry JG, Carr J., Hundley GW. Hall ME, Correa A. Impact of Abdominal Obesity on Proximal and Distal Aorta Wall Thickness in African Americans: The Jackson Heart Study. *Obesity* Vol. 27, Aug 2019
16. Wang Y, **Yu X**, Zhao N, Wang J, Lin C, Izaguirre EW, Farmer W, Tian G, Somer B, Dubal N, Schwartz, DL, Ballo MT, VanderWalde NA. Definitive Pelvic Radiotherapy and Survival of Patients With Newly Diagnosed Metastatic Anal Cancer. *J Natl Compr Canc Netw* 2019;17(1):29–37
17. Bachmann GA, Brown CS, Phillips NA, Rawlinson LA, **Yu X**, Wood R, Foster DC. (Gabapentin Study group). Effect of gabapentin on sexual function in vulvodynia: a randomized, placebo-controlled trial. *American Journal of Obstetrics and Gynecology*. 2019 Jan;220(1):89.e1-89.e8.
18. Kim H, **Yu X**, Carlton E, Powell MP, Chang C, and Ahn SN. Preschoolers' use of mental health services: An application of the Behavioral Model for Vulnerable Populations. *Education and Health*, Vol.36 No.4, Nov 2018
19. O'Connor EC, Wang J, Gibney KD, **Yu X**, Young GR, Jones T, Alexandrov AW, Cushman WC, Tsao JW. Lowering Systolic Blood Pressure Does Not Increase Stroke Risk. *Annals of Clinical and Translational Neurology*. 2018, Nov, 28 61(144-153)
20. Zaidi SS, Ward RD, Ramanathan K, **Yu X**, Gladysheva IP, Reed GL. Possible Enzymatic Downregulation of the Natriuretic Peptide System in Patients with Reduced Systolic Function and Heart Failure: A Pilot Study. *Biomed Res Int*. 2018 Jul 26;2018:7279036. doi: 10.1155/2018/7279036. eCollection 2018.
21. Hong J, Ge C, Jothikumar P, Yuan Z, Liu B, Bai K, Li K, Rittase W, Shinzawa M, Zhang Y, Palin A, Love P, Yu X, Salaita K, Evavold BD, Singer A, Zhu C. A TCR mechanotransduction signaling loop induces negative selection in the thymus. *Nat Immunol*. 2018 Dec;19(12):1379-1390.

22. Ferguson-Paul K, **Yu X**, Bagga B, Arnold SR. Optimal Pathogen-Directed therapy using MALDI TOF in pediatrics. *Pediatric Oncall Journal* (October- December) 2018, Volume 15, Issue 4: 97-102
23. Feng J, Lee HK, **Yu X**, Faris NR, Rugless F, Jiang S, Li J, Osarogiagbon RU Reducing Bottlenecks to Improve the Efficiency of the Lung Cancer Care Delivery Process: A Process Engineering Modeling Approach to Patient-Centered Care, *Journal of Medical Systems* (2018) 42:16
24. Amoah DK, Nolan V, Relyea G, Gurney JG, **Yu X**, Tylavsky FA, Mzayek F. Factors associated with residential mobility during pregnancy. *Women Health*. 2017 Sep 18:1-12.
25. MP Powell MP, **Yu X**, Isehunwa O, Chang CF. National Trends in Hospital Emergency Department Visits among Those with and without Multiple Chronic Conditions, 2007–2012. *Hospital topics*, 2017
26. Chavan PP, Kedia SK, **Yu X**. Physical and Functional Limitations in US Elderly Cancer Survivors. *Journal of Palliative Care & Medicine*. July 20, 2017
27. Kedia SK, Chavan PP, Boop SE, **Yu X**. Health Care Utilization Among Elderly Medicare Beneficiaries With Coexisting Dementia and Cancer. *Gerontology and Geriatric Medicine*. Jan 17, 2017
28. Lee HK, Ju F, Osarogiagbon RU, Faris N, **Yu X**, Rugless F, Jiang S, Li J. A System-Theoretic Method for Modeling, Analysis, and Improvement of Lung Cancer Diagnosis-to-Surgery Process. *IEEE Transactions on Automation Science and Engineering*, Jan 2017, Vol PP issue, 99
29. Powell MP, **Yu X**, Isehunwa O, and Chang CF. Trends in Urgency of Emergency Department Visits among Those with and without Multiple Chronic Conditions, 2007- 2012. *J Hosp Med Manage*. 2016, 2:2.
30. Smeltzer MP, Faris N, **Yu X**, Ramirez RA, Ramirez LE, Wang CG, Adair C, Berry A, Osarogiagbon RU. Missed Intrapulmonary Lymph Node Metastasis and Survival After Resection of Non-Small Cell Lung Cancer. *Ann Thorac Surg*. 2016 Aug;102(2):448-53.
31. Brooks RA, Blansit K, Young-Lin N, Usach I, Chen LM, **Yu X**, Kapp DS, Chan JK. The economic impact of surgical care for morbidly obese endometrial cancer patients: a nationwide study. *Am J Obstet Gynecol*. April 2016
32. Smeltzer MP, Nolan VG, **Yu X**, Nottage KA, Davis BA, Yang Y, Wang WC, Gurney JG, Hankins JS. Birth Prevalence of Sickle Cell Trait and Sickle Cell Disease in Shelby County, TN. *Pediatr Blood Cancer*. 2016 Feb 12. doi: 10.1002/pbc.25936.
33. **Yu X**, Klesges LM, Smeltzer MP, Osarogiagbon RU. Measuring improvement in populations: implementing and evaluating successful change in lung cancer care. *Transl Lung Cancer Res*. 2015 Aug;4(4):373-84. doi: 10.3978/j.issn.2218-6751.2015.07.13. Review.
34. Ju F, Lee HK, Osarogiagbon RU, **Yu X**, Faris N, Li J. Computer modeling of lung cancer diagnosis-to-treatment process. *Transl Lung Cancer Res*. 2015 Aug;4(4):404-14. doi: 10.3978/j.issn.2218-6751.2015.07.16. Review.

35. Smeltzer MP, Nolan VG, **Yu X**, Nottage KA, Wang WC, Hankins JS, Gurney JG. Distance from an Urban Sickle Cell Center and its Effects on Routine Healthcare Management and Rates of Hospitalization. *Hemoglobin*. 2015 Sep 15:1-6.
36. Chan JK, Gardner AB, Taylor K, Thompson CA, Blansit K, **Yu X**, Kapp DS. Robotic versus laparoscopic versus open surgery in morbidly obese endometrial cancer patients - a comparative analysis of total charges and complication rates. *Gynecol Oncol*. 2015 Sep 9. pii: S0090-8258(15)30123-2. doi: 10.1016/j.ygyno.2015.09.006.
37. Faris N, **Yu X**, Sareen S, Signore RS, McHugh LM, Roark K, Robbins ET, Osarogiagbon RU. Preoperative Evaluation of Lung Cancer in a Community Health Care Setting. *Ann Thorac Surg*. 2015 Aug;100(2):394-400. doi: 10.1016/j.athoracsur.2015.03.008.
38. Chan JK, Gardner AB, Taylor K, Blansit K, Thompson CA, Brooks R, **Yu X**, Kapp DS. The centralization of robotic surgery in high-volume centers for endometrial cancer patients--a study of 6560 cases in the U.S. *Gynecol Oncol*. 2015 Jul;138(1):128-32. doi: 10.1016/j.ygyno.2015.04.031. Epub 2015 Apr 28.
39. Osarogiagbon RU, Sareen S, Eke R, **Yu X**, McHugh LM, Kernstine KH, Putnam JB, Robbins ET. Audit of lymphadenectomy in lung cancer resections using a specimen collection kit and checklist. *Ann Thorac Surg*. 2015 Feb;99(2):421-7. doi: 10.1016/j.athoracsur.2014.09.049. Epub 2014 Dec 19.
40. Osarogiagbon RU, Eke R, Sareen S, Leary C, Coleman L, Faris N, **Yu X**, Spencer D. The impact of a novel lung gross dissection protocol on intrapulmonary lymph node retrieval from lung cancer resection specimens. *Ann Diagn Pathol*. 2014 Apr 26.
41. Chan JK, Herzog TJ, Hu L, Monk BJ, Kiet T, Blansit K, Kapp DS, **Yu X**. Bevacizumab in treatment of high-risk ovarian cancer--a cost-effectiveness analysis. *Oncologist*. 2014 May;19(5):523-7. Epub 2014 Apr 10.
42. Osarogiagbon RU, Ramirez RA, Wang CG, Miller LE, McHugh L, Adair CA, Smeltzer MP, **Yu X**, Berry A. Size and histologic characteristics of lymph node material retrieved from tissue discarded after routine pathologic examination of lung cancer resection specimens. *Ann Diagn Pathol*. 2014 Feb 10.
43. Osarogiagbon RU, Ogbata O, **Yu X**. Number of lymph nodes associated with maximal reduction of long-term mortality risk in pathologic node-negative non-small cell lung cancer. *Ann Thorac Surg*. 2014 Feb;97(2):385-93.
44. Osarogiagbon RU, **Yu X**. Nonexamination of lymph nodes and survival after resection of non-small cell lung cancer. *Ann Thorac Surg*. 2013 Oct;96(4):1178-89.
45. **Yu X**, Lum D, Kiet TK, Fuh KC, Orr J Jr, Brooks RA, Ueda SM, Chen LM, Kapp DS, Chan JK. Utilization of and charges for robotic versus laparoscopic versus open surgery for endometrial cancer. *J Surg Oncol*. 2013 May;107(6):653-8.
46. Osarogiagbon RU, **Yu X**. Mediastinal lymph node examination and survival in resected early-stage non-small-cell lung cancer in the surveillance, epidemiology, and end results database. *J Thorac Oncol*. 2012

Dec;7(12):1798-806.

47. Osarogiagbon, RU, Miller LE, Ramirez RA, Wang CG, O'Brien TF, **Yu X**, Robbins ET, Ellichman JJ, Khandekar A, Schoettle GP, Robbins SG, Gibson JB Use of a surgical specimen collection kit to improve mediastinal lymph node examination of resectable lung cancer. *Journal of Thoracic Oncology*. 2012 Aug;7(8):1276-82.
48. Ramirez RA, Wang CG, Miller LE, Adair CA, Berry A, **Yu X**, O'Brien TF, Raymond U. Osarogiagbon RU. Incomplete Intrapulmonary Lymph Node Retrieval After Routine Pathologic Examination of Resected Lung Cancer. *Journal of Clinical Oncology*. 2012 Aug 10;30(23):2823-8.
49. Malaeb BS, **Yu X**, McBean AM, Elliott SP. National trends in surgical therapy for benign prostatic hyperplasia in the United States (2000-2008). *Urology*. 2012 May;79(5):1111-6. doi: 10.1016/j.urology.2011.11.084.
50. Vollmer L, Sowka J, Pizzimenti J, **Yu X**. Central corneal thickness measurements obtained with anterior segment spectral domain optical coherence tomography compared to ultrasound pachymetry in healthy subjects. *Optometry*. 2012 May 31;83(5):167-72.
51. Jia C, **Yu X**, Maziak W. Blood/air distribution of volatile organic compounds (VOCs) in a nationally representative sample. *Sci Total Environ*. 2012 Mar 1;419:225-32. Epub 2012 Jan 26.
52. Venkat P, Chen LM, Young-Lin N, Kiet TK, Young G, Amatori D, Dasverma B, **Yu X**, Kapp DS, Chan JK. An economic analysis of robotic versus laparoscopic surgery for endometrial cancer: Costs, charges and reimbursements to hospitals and professionals. *Gynecol Oncol*. 2012 Apr;125(1):237-40. Epub 2011 Nov 25.
53. Dalton HJ, **Yu X**, Hu L, Kapp DS, Benjamin I, Monk BJ, Chan JK. An Economic Analysis of Dose Dense Weekly Paclitaxel plus Carboplatin versus Every-3-weeks Paclitaxel plus Carboplatin in the Treatment of Advanced Ovarian Cancer. *Gynecol Oncol*. 2012 Feb;124(2):199-204. Epub 2011 Nov 4.
54. Peacock JM, Keo HH, Oldenburg, Duval S, Henry TD, Jaff MR, Baumgartner I, **Yu X**, Hirsch AT. State-Based Amputation Surveillance: The Incidence and Health Economic Burden of Ischemic Amputation in Minnesota in 2005-2007. *Prev Chronic Dis*. 2011 Nov;8(6):A141. Epub 2011 Oct 17.
55. Feuerstein M, Todd BL, Moskowitz MC, Bruns GL, Stoler MR, Nassif T, **Yu X**. Work in cancer survivors: a model for practice and research. *J Cancer Survivorship*. 2010 Dec;4(4):415-37
56. **Yu X**, McBean AM. Screening mammography use and chemotherapy among female stage II colon cancer patients: a retrospective cohort study. *BMC Health Services Research*. 2010, 10:98.
57. Jacobs DR Jr, Gross MD, Steffen L, Steffes MW, **Yu X**, Svetkey LP, Appel LJ, Vollmer WM, Bray GA, Moore T, Conlin PR, Sacks F. The effects of dietary patterns on urinary albumin excretion: results of the Dietary Approaches to Stop Hypertension (DASH) Trial. *Am J Kidney Dis*. 2009 Apr;53(4):638-46.
58. McBean AM, **Yu X**. Virnig BA. Screening mammography rate and predictors following treatment of colorectal cancer. *Journal of Cancer Survivorship* 2009 Mar;3(1):12-20.
59. Jones-Webb R, **Yu X**, Wall M, Hannan PJ., Hellerstedt W. Race, Socioeconomic Position, and all-Cause Mortality. *Journal of Minnesota Medicine*. 2009 Feb;92(2):40-3

60. Cooner FW, **Yu X**, Banerjee S, Grambach P, McBean AM. Hierarchical dynamic time-to-event models for post-treatment preventive care data on breast cancer survivors. *Statistical Modelling, An International Journal*. 2009; 9(2), 119-135
61. **Yu X**, Elliott SP, Wilt TJ, McBean AM. Practice patterns in BPH surgical therapy — the dramatic rise in minimally invasive technologies. *Journal of Urology*. 2008 July; 180(1):241-5; discussion 245.
62. McBean AM, **Yu X**, Virnig BA. The use of preventive service care among elderly uterine cancer survivors. *American Journal of Obstetrics & Gynecology*. 2008 Jan; 198(1):86.e1-8.
63. **Yu X**, McBean AM, Virnig BA. Physician visits, patient comorbidities, and mammography use among elderly colorectal cancer survivors. *Journal of Cancer Survivorship*, 2007 Dec; 1(4):275-282.
64. McBean AM, **Yu X**. The underuse of screening services among elderly women with diabetes. *Diabetes Care*. 2007 Jun; 30(6):1466-72.
65. **Yu X**, McBean AM, Caldwell DS. Unequal use of new technologies by race: the use of new prostate surgeries (transurethral needle ablation, transurethral microwave therapy and laser) among elderly Medicare beneficiaries. *Journal of Urology*. 2006 May; 175(5):1830-5; discussion in 1835.
66. McBean AM, Park YT, Caldwell D, **Yu X**. Declining invasive pneumococcal disease in the U.S. elderly. *Vaccine*. 2005 Dec; 23(48-49):5641-5.
67. **Yu X**, Gross MD, Jacobs, DR Jr, Schreiner PJ, Steffes M, Fornage M. Uncoupling protein 2 Ala55Val polymorphism and central body fatness and associated metabolic abnormalities, the CARDIA study. *Clinical Chemistry*, 2005 51(8); 1451-1456.
68. Steffen LM, Kroenke CH, **Yu X**, Pereira MA, Slattery ML, Van Horn L, Gross MD, Jacobs DR Jr. Associations of plant food, dairy product, and meat intakes with 15-y incidence of elevated blood pressure in young black and white adults: the Coronary Artery Risk Development in Young Adults (CARDIA) Study. *American Journal of Clinical Nutrition*. 2005 Dec; 82(6):1169-77; quiz 1363-4.
69. Gross MD, Steffes M, Jacobs DR Jr, **Yu X**, Lewis L, Lewis CE, Loria CM. Plasma F2-isoprostanes and coronary artery calcification: the CARDIA Study. *Clinical Chemistry*. 2005 Jan; 51(1):125-31.
70. Jones-Webb R, **Yu X**, O'brien J, Hannan PJ, Wall M, Oswald J. Does socioeconomic position moderate the effects of race on cardiovascular disease mortality? *Ethnicity & Diseases*. 2004 Autumn; 14(4):489-96.
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CONFERENCE PRESENTATIONS/ABSTRACTS (peer-reviewed, not up to date)

1. *Chavan P, Kedia S, **Yu X**. Impact of Physical and Functional Limitations on Self-Assessed Health Status and Mortality among Older Cancer Survivors. American Public Health Association annual meeting, Nov. 2018, San Diego
2. *Chavan P, Kedia S, **Yu X**. Impact of Functional Limitations on Healthcare Utilization among Elderly Cancer Survivors. American Public Health Association annual meeting, Nov. 2016, Atlanta
3. Chang CF, Powell MP, **Yu X**. The Extra Costs of ED Visits Associated with Multiple Chronic Conditions. American Society of Health Economists. 5th annual meeting. Tuesday, June 14, 2016
4. Chavan P, Kedia S, **Yu X**. Functional Limitations in Cancer Survivors among Elderly Medicare Beneficiaries. American Public Health Association annual meeting, 2015, Chicago.
5. **Yu X**, Smeltzer MP, Faris NF, Osarogiagbon RU Impact of attainment of Commission on Cancer quality measure on patient survival after resection of lung cancer. World Lung Meeting, 2015, Denver
6. **Yu X**, Faris NF, Smeltzer MP, Osarogiagbon RU Impact of Attainment of National Comprehensive Cancer Network (NCCN) Quality Parameters on Patient Survival after Resection of Lung Cancer. World Lung Meeting, 2015, Denver
7. **Yu X**, Robbins ET, Faris NF, Lu F, Osarogiagbon RU. Evolution in the surgical care of non-small cell lung cancer (NSCLC) patients in the Mid-South Quality of Surgical Resection (MS-QSR) Cohort. World Lung Meeting, 2015, Denver
8. Ramirez RA, Wang CG, Miller LE, Adair CA, Berry A, **Yu X**, O'Brien TF, Osarogiagbon RU. Incomplete Intrapulmonary Lymph Node Retrieval after Routine Pathologic Examination of Resected Lung Cancer. Society of Thoracic Surgery. Nov, 2011
9. Ward R., **Yu X**. Bailey JE, Reed GL. Patient and System Factors that Associated with Cardiac Catheterizations. Society of Southern General Internal Medicine. Feb 11, 2011.
10. Bailey JE, **Yu X**. Ward R. Reed GL. Effect of Health Information Exchange on Hospital Admissions in Emergency Evaluation of Chest Pain. Society of Southern General Internal Medicine. Feb 11, 2011.
11. **Yu X**, Lum D, Fuh K, Brooks R, Chan, JK Trends in Utilization and Cost of Minimally-Invasive Robotic Surgery for Endometrial Cancer - A Statewide Analysis of 2,296 Patients. *Society of Gynecologic Oncology*. Orlando FL, March 10, 2011. (Plenary oral)
12. **Yu X**, Gutierrez ML, McBean AM. Patient Characteristics, Hospital Surgery Volume and Oncologist Visit Among Elderly Stage II colon Cancer Patients. *APHA*, Nov 8, 2010 (poster)
13. **Yu X**, Jee-ae Kim, McBean AM. Racial and Ethnic Differences in Microalbuminuria Testing among Elderly Medicare Beneficiaries with Diabetes. *American Public Health Association Annual Meeting, 2009*. Diabetes Epidemiology section, November 11, 2009. (Oral presentation)

14. **Yu X.** Virnig BA, McBean AM. Understanding visiting oncologists and chemotherapy use among elderly stage II colon cancer patients. *American Public Health Association Annual Meeting, 2009.* Health Promotion and Prevention among Older Adults section, November 8, 2009. (Poster)
15. **Yu X,** McBean AM. The impact of colorectal cancer diagnosis on mammography screening among elderly women. *25th Annual research meeting, AcademyHealth.* June 9, 2008. (Oral presentation)
16. **Yu X,** Elliott SP, Wilt T, McBean M. BPH surgical treatment trends in the U.S. – the dramatic increase in the application of minimally invasive technologies. *29th Congress of the society of International Urology.* Paris, 2007 (Moderated Poster). *Urology.* 2007 Sep, 70(3) S1: 156-157.
17. **Yu X,** McBean AM. Mammography use among elderly colorectal cancer survivors. *24th Annual research meeting, AcademyHealth.* June 4, 2007. (Poster exhibition)
18. **Yu X,** McBean AM, Virnig B. The use of recommended health care services among elderly cancer survivors. *23rd Annual research meeting, AcademyHealth.* June 27, 2006. (Oral presentation)
19. **Yu X,** McBean AM, Caldwell DS, Anderson JA. Unequal utilization of new technologies by race. The use of new prostate surgeries among Medicare elderly beneficiaries. *21st Annual research meeting, AcademyHealth.* June 7, 2004. (Oral presentation)

INVITED PRESENTATIONS

1. **Yu X.** Causal Inference with Marginal Structural Models. *School of Public Health, EBE research Colloquium, University of Memphis,* March 21, 2018
2. **Yu X.** Micro-module Teaching in an Fragmented Learning Environment. *School of Public Health, University of Memphis,* Feb 9, 2018
3. **Yu X.** Depression: Diagnosis, Treatment and Its Impact. *School of Public Health, EBE research Colloquium, University of Memphis,* Nov 25, 2017
4. **Yu X.** Causal Inference in Epidemiology (three talks). *School of Public Health, University of Memphis,* Nov 9, 16, 30 23, 2016
5. **Yu X.** Exploring Health Disparities in Health Services Utilizations Using Social Network Analysis. *Bioinformatics in University of Memphis,* March 23, 2012
6. **Yu X.** The diffusion of new health technology: a case study on robot assisted surgery. *SPH Brownbag research series, University of Memphis,* Jan 7, 2011
7. **Yu X.,** Distribution of Osteopathic Medicine Physicians in the United States. *Public Health Seminar. Nova Southeastern University,* Oct. 21, 2009
8. **Yu X.** Chemotherapy and mammography use among women newly diagnosed with colorectal cancer. *Cancer Outcomes and Survivorship Research Group, School of Medicine, University of Minnesota.* May 5, 2008.
9. **Yu X.** Impact of colorectal cancer diagnosis and treatment on the mammography use among elderly women. *Research investigator meeting, National Cancer Institute (NCI), National Institutes of Health (NIH).* March 20, 2008.

10. **Yu X.** Clinical research using linked SEER-Medicare data. Department of Obstetrics and Gynecology, Division of Gynecologic Oncology. *University of California, San Francisco*. Dec. 9, 2007.
11. **Yu X,** McBean AM, Caldwell DS. Post-coverage analysis of surgical treatment of benign prostate hypertrophy. Coverage Decision Group, *Center for Medicare and Medicaid Services (CMS)*. Dec.16, 2003.