

# CURRICULUM VITAE

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## EDUCATION

2006 Health Care Administration, B.A., Shanghai Jiao Tong University

2009 Health Economics, M.A., Fudan University

2014 Health Services Research, Ph.D., University of California, Los Angeles

2016 Prevention Effectiveness Fellow, Division for Heart Disease and Stroke  
Prevention, Centers for Disease Control and Prevention

## ACADEMIC APPOINTMENTS

2016-Present Tenure-Track Assistant Professor of Health Policy and Management,  
College of Public Health, University of Georgia

## MAJOR RESEARCH INTERESTS

1. Health Disparities (Geographic and Racial Health Disparities)
2. Health Services Delivery Innovation (Telemedicine, mHealth, eHealth)
3. Health Policy Simulation and Policy Impact Analysis
4. Social Determinants of Health
5. Economic Burden of Diseases and Economic Evaluation

## RESEARCH EXPERIENCES

### Ongoing Funded Projects

2019-2023 National Institute for Minority Health and Health Disparities: Using  
agent-based modeling to compare strategies that can reduce rural-urban  
disparities in cardiovascular disease (R01MD013886), *Principal  
Investigator*  
(Direct: \$1,200,340; Indirect: \$373,732; Total: \$1,574,072)

2021-2023 Administrative Supplement – National Institute for Minority Health and  
Health Disparities: Projecting the Potential Impact of Mindfulness-based  
Meditation on the Risk of Alzheimer's Disease (R01MD013886-02S1),  
*Principal Investigator*  
(Direct: \$270,575; Indirect: \$75,238; Total: \$345,813)

2021-2023 Health Resources and Services Administration Telehealth Focused Rural  
Health Research Center Program, University of Arkansas, FY2020 Rural

Health Communities Awards (Total: \$949,995), *Consultant in the Expert Work Group*

2020-2022 China Medical Board Open Competition Program: Comparison of the Clinical Effectiveness and Patient-Centered Outcomes Between Telestroke Care and Usual Stroke Care in Guangdong, China, *Co- Principal Investigator* (Total: \$80,000)

2021-2023 China Medical Board Open Competition Program: Strengthening the Quality of Well-baby Care in China: Process Evaluation of a Multi-Component Community Intervention. *Co- Principal Investigator* (Total: \$40,000)

2020-2021 Georgia Health Foundation: Assessing and Mitigating the Mental Health Impact of the COVID-19 Pandemic among Asian Americans in Georgia, *Co- Investigator* (Total: \$12,000)

2019-2020 The Atlanta RDC Grant: Economic Burden of Cancer Survivorship Attributable to Physical Inactivity, *Co- Investigator* (Total: \$12,129)

2019-2020 Georgia CTRU seed grant: Pilot study on technology-enhanced health coaching intervention for low-income patients with multiple chronic conditions, *Co- Investigator* (Total: \$40,000)

2019-2021 President Morehead’s Interdisciplinary Seed Grant Program: Impact of the school and the surrounding environment on implementation of Georgia’s statewide childhood obesity policy, *Co- Investigator* (Total: \$145,833)

### **Completed Projects**

2016 – 2018 United States Department of Agriculture Interdisciplinary Research Seed Grant, *Co- Principal Investigator* (Total: \$37,000)

2017 – 2017 US Department of Health and Human Services: Economic Evaluation of the “Mother and Infant Home Visiting Program, Long-Term Follow-Up”, *Research Associate* (Direct: \$37,500)

2018 – 2018 Global Collaboration Research Grant, Office of Research, and the Office of International Education, UGA College of Public Health: Advancing Parenting Skills: A Feasibility Study for an Early Childhood Intervention Using Text Messaging in Rural China, *Principal Investigator* (Direct: \$5,500)

2018 – 2019 University of Arkansas for Medical Science: Economic evaluation of the Medicaid claims data and the ANGLES project, *Principal Investigator*

(Direct: \$20,000)

### Pending Grants

- 2021-2026 National Institute for Minority Health and Health Disparities: Unbuckling the Deep South Hypertension and Vascular Disease Syndemic Belt (P50 Centers for Multiple Chronic Diseases Associated with Health Disparities), *Multiple Principal Investigator* (Direct: \$1,121,442; Indirect: \$467,967; Total: \$1,589,409)
- 2021-2024 China Medical Board Open Competition Program: Assessing the rising birth prevalence of congenital heart defect and economic evaluation of prenatal screening tests for early detection and treatment following China's two-child policy. *Co- Principal Investigator* (Total: \$40,000)
- 2021-2024 China Medical Board Open Competition Program: Promoting oral health and dental care during pregnancy in China: a mixed methods study for knowledge translation. *Co- Principal Investigator* (Total: \$80,000)

### Peer-Reviewed Publications

#### Publications as the first or corresponding author

1. **Zhang D\***, Shi L, Han X, Li Y, Jalajel N, Patel S, Chen Z, Chen L, Wen M, Li H, Chen B, Li J, Su D. Disparities in Telehealth Utilization During the COVID-19 Pandemic: Findings from a Nationally Representative Survey in the United States. *Journal of Telemedicine and Telecare*. 2021 (Forthcoming)
2. Xie X, Fan Z, Li Y, Kang J, **Zhang D\***. Combining Econometric Analysis and Simulation Modeling to Evaluate Population-Based Health Policies for Chronic Disease Prevention and Control. *Public Health Reports*. 2021 (Forthcoming)
3. **Zhang D\***, Thapa J, *Li G, Son H*, Chen Z, Mu L, Li Y, Liu J, Pagan J. Scaling up the Supplemental Nutrition Assistance Program-Education (SNAP-Ed) Toolkit Set of Interventions to Improve Fruit and Vegetable Consumption across 13 Counties in Georgia: A Cost-Effectiveness Analysis. *IEEE/ACM*. 2021, May
4. Sung YS, **Zhang D\***, Eswaran H, Lowery CL. Evaluation of a Telemedicine Program Managing High-Risk Pregnant Women with Pre-Existing Diabetes in Arkansas's Medicaid Program. *Seminars in Perinatology*. 2021;151421.
5. **Zhang D\***, Thapa J, *Panda S*, Chen Z, Shi L, Li Y, Shen Y, Ghimire R, Emerson K. Linguistic Isolation and Mortality in Older Mexican Americans: Findings from the Hispanic Established Populations Epidemiologic Studies of the Elderly. *Health Equity*. 2021 April.
6. Ma X, Wei J, Li Y, Shi L, **Zhang D\***. Longitudinal Association between Self-Reported Sensory Impairments and Episodic Memory among Older Adults in China: A Prospective Cohort Study. *Journal of Geriatric Psychiatry and Neurology*. 2021 April: 1-10.
7. **Zhang, D\***, Li, G., Mu, L., Thapa, J., Li, Y., Chen, Z., ... & Pagán, J. A. Trends in Medical School Application and Matriculation Rates Across the United States from 2001

- to 2015: Implications for Health Disparities. *Academic Medicine*. 2021
8. **Zhang D\***, Son H, Shen Y, Chen Z, Thapa J, Li Y, Eom H, Bu D, Mu L, Li G, Pagan J. Assessment of Changes in Rural and Urban Primary Care Workforce in the United States from 2009 to 2017. *JAMA Network Open*, 2020;3(10): e2022914
  9. Mekonnen B., Wang G., Rajbhandari-Thapa J., Shi L., Thapa K., Zhang Z., & **Zhang D\***. Weekend Effect on in-Hospital Mortality for Ischemic and Hemorrhagic Stroke in US Rural and Urban Hospitals. *Journal of Stroke and Cerebrovascular Diseases*. 2020;29(10): 105106.
  10. **Zhang D\***, Jin L, Liang D, Geng R, Liu Y, Ling Y, Jiang F, Zhang Y. Assessing Feasibility of an Early Childhood Intervention Using Mobile Phones Among Low-Income Mothers of Newborns: An Interview Study. *Journal of Medical Internet Research Formative Research*. 2020; 4(5): e17179.
  11. Thapa J, Ingels J, Chung S, Thapa K, Chen Z, **Zhang D\***. Inpatient Obesity Diagnosis, Use of Surgical Treatment and Associated Costs by Payer Type in the United States: Analysis of the National Inpatient Sample, 2011 through 2014. *Clinical Obesity*. 2020.
  12. Zhang, H., Zhang, C., Zhu, S., Ye, H., & **Zhang, D\***. Direct medical costs of end-stage kidney disease and renal replacement therapy: a cohort study in Guangzhou City, southern China. *BMC Health Services Research*. 2020;20(1): 1-14.
  13. Witrick, B., **Zhang, D.\***, Switzer, J. A., Hess, D. C., & Shi, L. The Association Between Stroke Mortality and Time of Admission and Participation in a Telestroke Network. *Journal of Stroke and Cerebrovascular Diseases*. 2020;29(2): 104480.
  14. Zhang, H., Yin, Y., Zhang, C., & **Zhang, D\***. Costs of hospitalization for stroke from two urban health insurance claims data in Guangzhou City, southern China. *BMC health services research*. 2019;19(1), 671.
  15. **Zhang, D.\***, Ritchey, M. R., Park, C., Li, J., Chapel, J., & Wang, G. Association Between Medicaid Coverage and Income Status on Health Care Use and Costs Among Hypertensive Adults After Enactment of the Affordable Care Act. *American journal of hypertension*. 2019; hpz101
  16. **Zhang, D.\***, Shi, L., Ido, M. S., Green, D. E., Li, Y., Su, D., & Hess, D. C. Impact of Participation in a Telestroke Network on Clinical Outcomes: Evidence from the Georgia Coverdell Acute Stroke Registry. *Circulation: Cardiovascular Quality and Outcomes*. 2019;12(1): e005147.
  17. **Zhang, D\***, Wang, G., Zhu, W., Thapa, J., Switzer, J., Hess, D., Smith, M., & Ritchey M. Expansion of Telestroke Services Improves Quality of Care Provided in Super Rural Areas. *Health Affairs*. 2018;37(12): 2005-2013.
  18. **Zhang D\***, Pan X, Li S, Liang D, Hou Z, Li Y, Shi L. Impact of the National Essential Public Health Services Policy on Hypertension Control in China. *American Journal of Hypertension*. 2017; hpx139
  19. **Zhang D\***, Zhang P, Fang J, Ayala C, Wang G. Medical Expenditures Associated with Hypertension in the US: 2000 – 2013. *American Journal of Preventive Medicine*.

- 2017;53(6): S164–S171
20. **Zhang D\***, Joo H, Wang G. A Systematic Review of Economic Evidence on Community Hypertension Interventions. *American Journal of Preventive Medicine*. 2017;53(6): S121–S130
  21. **Zhang D\***, Li Y, Wang G, Moran A, Pagán J. Nutrition Label Use and Sodium Intake in the United States. *American Journal of Preventive Medicine*. 2017;53 (6): S220–S227
  22. **Zhang, D\***, Wang, G., Fang, J., & Mercado, C. Hyperlipidemia and medical expenditures by cardiovascular disease status in US adults. *Medical Care*. 2017;55(1): 4-11.
  23. **Zhang D\***, Cogswell M, Wang G, Bowman B. Dietary Improvement and the Preventable Cost of Cardiovascular Disease: Evidence from the Literature. *American Heart Journal*. 2017;(17): 31241-9
  24. Hou Z, Lin S, **Zhang D\***. Social Capital, Neighborhood Characteristics and Use of Local Public Health Services among Internal Migrants in China. *BMJ Open*. 2017;7(8): e014224
  25. Khan A, Thapa J. **Zhang D\***. Preventive Dental Checkups and Their Association with Access to Usual Source of Care among Rural and Urban Adult Residents. *Journal of Rural Health*. 2017; 33(4): 419-426
  26. Liang D, **Zhang D\***. Children’s Geographic Proximity and Older Parents’ Depressive Symptoms in China. *Gerontology and Geriatric Medicine*. 2017; 3: 2333721417729501
  27. Shi, L., **Zhang, D\***, Wang, L., Zhuang, J., Cook, R., & Chen, L. Meditation and blood pressure: a meta-analysis of randomized clinical trials. *Journal of Hypertension*. 2017;35(4): 696-706.
  28. Shi, L., **Zhang, D\***, Chen, L., & Truong, K. D. “Weekend Effect” or “Saturday Effect”? An Analysis of Hospital Mortality for Patients with Ischemic Stroke in South Carolina. *Circulation*. 2016;134(19): 1510-1512.
  29. **Zhang D\***, Shi L, Tian F, Zhang L. Care utilization with China's New Rural Cooperative Medical Scheme: Updated Evidence from the China Health and Retirement Longitudinal Study 2011 – 2012. *International Journal of Behavioral Medicine*. 2016: 1-9
  30. **Zhang D\***, Meijgaard J, Shi L, Core B, Fielding J. Does Neighborhood Composition Modify the Association Between Acculturation and Unhealthy Dietary Behaviors? *Journal of Epidemiology and Community Health*. 2015; 69(3): 69 – 74.
  31. Zhang Y, **Zhang D\***, Jiang Y, Sun, W, Wang, Y, Chen, W, et al. Association between Physical Activity and Teacher-reported Academic Performance among Fifth Graders in Shanghai: A Quantile Regression. *Plos One*. 2015;10(3): e0115483
  32. **Zhang D\***, Giabbanelli PJ, Arah OA, Zimmerman FJ. Impact of Different Policies on Unhealthy Dietary Behaviors in an Urban Adult Population: An Agent-Based Simulation Model. *American Journal of Public Health*. 2014;104(7): 1217-22.
  33. Shi L, **Zhang D\***. China's New Rural Cooperative Medical Scheme and Underutilization of Medical Care among Adults over 45: Evidence from CHARLS Pilot Data. *Journal of*

*Rural Health*. 2013; 29(1): s51-s61.

### **Publications as a co-author**

34. Chen Z, Zhang Y, Luo H, **Zhang D**, Thapa J, Wang Y, Wang R, Adams G. Narrowing but Persisting Gender Pay Gap among Employees of the US Department of Health and Human Services during 2010-2018. *Human Resources for Health*. 2021;19(1): 1-8.
35. Chen, L., **Zhang, D.**, Shi, L., & Kalbaugh, C. A. Disparities in Peripheral Artery Disease Hospitalizations Identified Among Understudied Race-Ethnicity Groups. *Frontiers in Cardiovascular Medicine*. 2021;8: 515.
36. Su D, Samson K, Hanson C, Berry ALA, Li Y, Shi L, **Zhang D**. Racial and ethnic disparities in birth Outcomes: A decomposition analysis of contributing factors. *Preventive Medicine Reports*. 2021;23: 101456.
37. Wang X, Zhang Y, Zhao J, Shan W, Zhang Z, Wang G, Jiang Y, Zhu W, **Zhang D**, Jiang F. Cohort Profile: The Shanghai Children's Health, Education and Lifestyle Evaluation, Preschool (SCHEDULE-P) Study. *International Journal of Epidemiology*. 2021;50(2): 391-399
38. Zhao J, Jin H, Li X, Jia J, Zhang C, Zhao H, Ma W, Wang Z, He Y, Lee J, **Zhang D**, Yin B, Zheng W, Wang H, Pennington M. Disease Burden Attributable to the First Wave of COVID-19 in China and the Effect of Timing on the Cost-Effectiveness of Movement Restriction Policies. *Value in Health*. 2021;24(5): 615-624
39. Mu L, Liu Y, **Zhang D**, Gao Y, Nuss M, Thapa J, Chen Z, Pagán J, Li Y, Li G, Son H. Rurality and Origin–Destination Trajectories of Medical School Application and Matriculation in the United States. *ISPRS International Journal of Geo-Information*. 2021;10(6): 417.
40. Hou Z, Song S, Du F, Shi L, **Zhang D**, Lin L, Yu H. Influence of the COVID-19 epidemic on prevention and vaccination behaviors among Chinese children and adolescents: results from an online survey. *JMIR Public Health and Surveillance*. 2021. April
41. Chen Z, Jiang S, Wang Y, Khan MM, **Zhang D**, Thapa J, Li L. Pharmacoconomics of obesity in China: a scoping review. *Expert Review of Pharmacoeconomics & Outcomes Research*. 2021;21(2): 173-181.
42. Chen Z, Ying J, Ingles J, **Zhang D**, Thapa J, Wang R, Emerson K, Feng Z. Gender differential impact of bereavement on health outcomes: evidence from the China Health and Retirement Longitudinal Study, 2011–2015. *BMC Psychiatry*. 2020;20 (514)
43. Dev, R., Li, J., **Zhang, D.**, Cai, Y., Hao, C., Hou, F., ... & Xu, D. R. An economic evaluation of a mobile text messaging intervention to improve mental health care in resource-poor communities in China: a cost-effectiveness study. *BMC Health Services Research*. 2020;20(1): 1-8.
44. Jiang N., Stella S. Y., Russo R., Bu D., **Zhang D.**, Ferket B., ... & Li Y. Trends and

- sociodemographic disparities in sugary drink consumption among adults in New York City, 2009-2017. *Preventive medicine reports*. 2020;101162.
45. Gell-Redman, M., Shi, L., **Zhang, D.**, & Mungaray, A. B. Access to Health Care and Mental Health Among Latino Students in San Diego. *Health Equity*. 2020;4(1): 255-259.
  46. Li, G., **Zhang, D.**, Chen, Z., Feng, D., Chen, X., Tang, S. Feng, Z. Distribution of malaria patients seeking care in different types of health facilities during the implementation of National Malaria Elimination Programme. *Malaria Journal*. 2020;19: 1-10.
  47. Thapa J, **Zhang D**, MacLeod K, Thapa K. Impact of Medicaid Expansion on Insurance Coverage Rate among Low-Income Adult Population with Obesity. *Obesity*. 2020; 28(7): 1219-1223.
  48. Chen, L., Shi, L., **Zhang, D.**, Jiang, C., & Truong, K. Does the “Weekend Effect” Extend to Friday Admissions? An Analysis of Ischemic Stroke Hospitalizations in South Carolina. *Frontiers in Neurology*. 2020;11: 424.
  49. Pan X, **Zhang D**, Shi L. Longitudinal Evidence on Grandparenting and Cognitive Function in Older Adults in China. *Journal of Intergenerational Relationships*. 2020: 1-21.
  50. Gong, D., Yuan, H., Zhang, Y., Li, H., **Zhang, D.**, Liu, X., ... & Li, C. Hypertension-Related Knowledge, Attitudes, and Behaviors among Community-Dwellers at Risk for High Blood Pressure in Shanghai, China. *International Journal of Environmental Research and Public Health*. 2020;17(10): 3683.
  51. Yang, S., Zhang, X., Feng, P., Wu, T., Tian, R., **Zhang, D.**, ... & Cheng, G. Access to fruit and vegetable markets and childhood obesity: A systematic review. *Obesity Reviews*. 2020.
  52. Cao Z, Zhao Y, Wang S, **Zhang D**, Zhou Y, Liu W, Yang Y, Hua J. Prenatal Exposure to Fine Particulate Matter and Fetal Growth: A Cohort Study from A Velocity Perspective. *Chemosphere*. 2020;128404
  53. Rajbhandari-Thapa, J., **Zhang, D.**, Padilla, H. M., & Chung, S. R. Peer Reviewed: Opioid-Related Hospitalization and Its Association with Chronic Diseases: Findings from the National Inpatient Sample, 2011–2015. *Preventing Chronic Disease*. 2019;16.
  54. Chen, L., Shi, L., **Zhang, D.**, & Chao, S. M. Peer Reviewed: Influence of Acculturation on Risk for Gestational Diabetes Among Asian Women. *Preventing Chronic Disease*. 2019;16.
  55. Zhang, H., **Zhang, D.**, Yin, Y., Zhang, C., & Huang, Y. Costs of Hospitalization for Dementia in Urban China: Estimates from Two Urban Health Insurance Scheme Claims Data in Guangzhou City. *International journal of environmental research and public health*. 2019;16(15), 2781.
  56. Smith, M. L., Towne, J. S., Bergeron, C. D., **Zhang, D.**, McCord, C., Mier, N., & Goltz, H. H. Geographic disparities associated with travel to medical care and attendance in programs to prevent/manage chronic illness among middle-aged and older adults in Texas. *Rural and remote health*. 2019;19(4): 5147-5147.

57. Sattler, E. L., Ishikawa, Y., Trivedi-Kapoor, R., **Zhang, D.**, Quyyumi, A. A., & Dunbar, S. B. Association between the Prognostic Nutritional Index and Dietary Intake in Community-Dwelling Older Adults with Heart Failure: Findings from NHANES III. *Nutrients*. 2019;11(11), 2608.
58. Song, H., **Zhang, D.**, Chen, Z., Wang, R., Tang, S., Bishwajit, G., ... & Su, Y. Utilisation of national community-based blood pressure monitoring service among adult Chinese and its association with hypertension treatment and blood pressure control—a mediation analysis. *BMC Geriatrics*. 2019;19(1), 162.
59. Shi, L., **Zhang, D.**, Rajbhandari-Thapa, J., Katapodis, N., Su, D., & Li, Y. Neighborhood immigrant density and population health among native-born Americans. *Preventive Medicine*. 2019;105792.
60. Wu, T., Deng, Z., Chen, Z., **Zhang, D.**, Wang, R., & Wu, X. Predictors of Patients' Intention to Interact with Doctors in Web-Based Health Communities in China: Cross-Sectional Study. *Journal of medical Internet research*. 2019;21(6), e13693.
61. Katapodis N, **Zhang D**, Giabbanelli P, Li Y, Lyford C, Thapa J. Evaluating the Impact of Improving Access on the Consumption of Fruits and Vegetables in a Rural Community in Texas—A Modeling Study. *Health Equity*. 2019
62. Li, S., **Zhang, D.**, Chen, Z. Impact of the New Cooperative Medical Scheme on Individual Healthcare Utilization and Expenditure. *Chinese Economy*. 2019
63. Li, Y., Jasani, F., Su, D., **Zhang, D.**, Shi, L., Yi, S., Pagán, J. Decoding Nonadherence to Hypertensive Medication in New York City: A Population Segmentation Approach. *Journal of Primary Care & Community Health*. 2019; 10: 1-5.
64. Zhang, Y., Niu, L., **Zhang, D.**, Ip, P., Ho, F., Jiang, Y., & Jiang, F. Social-Emotional Functioning Explains the Effects of Physical Activity on Academic Performance among Chinese Primary School Students: A Mediation Analysis. *The Journal of pediatrics*. 2019;208: 74-80.
65. Zhang, H., Sun, Y., **Zhang, D.**, Zhang, C., & Chen, G. Direct medical costs for patients with schizophrenia: a 4-year cohort study from health insurance claims data in Guangzhou city, Southern China. *International journal of mental health systems*. 2018;12(1): 72.
66. Ambavane, R. A., Khademi, A., **Zhang, D.**, & Shi, L. Modeling the Impact of Transcendental Meditation on Stroke Incidence and Mortality. *Journal of Stroke and Cerebrovascular Diseases*. 2019;28(3): 577-586.
67. Su D, Michaud T, Estabrooks P, Schwab R, Eiland L, Hansen G, DeVany M, **Zhang D**, Li Y, Pagán J, & Siahpush M. Diabetes Management through Remote Patient Monitoring: The Importance of Patient Activation and Engagement with the Technology. *Telemedicine and e-Health*. 2018
68. Cao, Z., Chen, D., Yang, Y., & **Zhang, D.** Effectiveness of post-exposure prophylaxis during varicella outbreaks among primary and middle school students in Shanghai: An analysis of three-year surveillance data. *Vaccine*. 2018;36(38): 5754-5759.



69. Cao, Z., Hua, J., Zhang, D., Thapa, J. R., & Wang, S. A cohort study assessing the sustainable long-term effectiveness of a childhood-obesity intervention in China. *International Journal of Epidemiology*. 2018. dyy145
70. Wu, T., Deng, Z., **Zhang, D.**, Buchanan, P. R., Zha, D., & Wang, R. Seeking and using intention of health information from doctors in social media: The effect of doctor-consumer interaction. *International journal of medical informatics*. 2018;115: 106-113.
71. Wang H, **Zhang D**, Hou Z, Yan F, Hou Z. Association between Social Health Insurance and Choice of Hospitals among Internal Migrants in China: A National Cross-Sectional Study. *BMJ Open*. 2018;8(2): e018440
72. Li, Y., **Zhang, D.**, Thapa, J. R., Madondo, K., Yi, S., Fisher, E., & Pagán, J. A. Assessing the role of access and price on the consumption of fruits and vegetables across New York City using agent-based modeling. *Preventive medicine*. 2018;106: 73-78.
73. MacLeod K, Shi L, **Zhang D**, Chen L, Chao S. Association between Vehicle Time During Pregnancy and Mental Health among Women of Different Income Groups. *Journal of Transport & Health*. 2018.2
74. Wu T, Deng Z, Feng Z, Gaskin D, **Zhang D**, Wang R. The Effect of Doctor-Consumer Interaction on social media on Consumers' Health Behaviors: Cross-Sectional Study. *Journal of Medical Internet Research*. 2018; 20(2): e73.
75. Zhang, J., Zhang, Y., Jiang, Y., Sun, W., Zhu, Q., Ip, P., **Zhang D** & Zhang, L. Effect of Sleep Duration, Diet, and Physical Activity on Obesity and Overweight Elementary School Students in Shanghai. *Journal of School Health*. 2018;88(2): 112-121.
76. Zhang Y, **Zhang D**, Li X, Ip P, Ho F, Jiang Y, Sun W, et al. Daily Time-Use Patterns and Obesity and Mental Health among Primary School Students in Shanghai: A Population-Based Cross-Sectional Study. *Scientific Reports*. 2017; 7(1): 16200
77. Feng D, **Zhang D**, Li B, Zhang Y, Serrano R, Shi D, Liu Y, Zhang L. Does having a usual primary care provider reduce patient self-referrals in rural China's multi-tiered medical system? *BMC Health Services Research*. 2017; 17 (1): 778
78. Qian Y, Hou Z, Wang W, **Zhang D**, Fei Yan. Integrated care reform in urban China: a qualitative study on design, supporting environment and implementation. *International Journal for Equity in Health*. 2017.16: 185
79. Fang H, Jin Y, Zhao M, Zhang H, Rizzo J, **Zhang D**, Hou Z. Does Migration Limit the Effect of Health Insurance on Hypertension Management in China? *International Journal of Environmental Research and Public Health*. 2017;14 (10): 1256
80. Zhang J, Lin S, Liang D, Qian Y, **Zhang D**, Hou Z. Public Health Services Utilization and Its Determinants among Internal Migrants in China: Evidence from a Nationally Representative Survey. *International Journal of Environmental Research and Public Health*. 2017;14(9): 1002.
81. Chapel J, Ritchey M, **Zhang D**, Wang G. Prevalence and Medical Costs of Chronic Diseases among Adult Medicaid Beneficiaries. *American Journal of Preventive Medicine*.

2017;53 (6): S143–S154

82. Sheng, B., Feng, C., **Zhang, D.**, Spitler, H., & Shi, L. Associations between Obesity and Spinal Diseases: A Medical Expenditure Panel Study Analysis. *International Journal of Environmental Research and Public Health*. 2017;14(2): 183.
83. Shi, L., MacLeod, K. E., **Zhang, D.**, Wang, F., & Chao, M. S. Travel distance to prenatal care and high blood pressure during pregnancy. *Hypertension in Pregnancy*. 2017;36(1): 70-76.
84. Li Y, Lawley M, Siscovick D, **Zhang D**, Pagan J. Agent-Based Modeling of Chronic Diseases: A Narrative Review and Future Research Directions. *Preventing Chronic Disease*. 2016; 13:150561
85. Li Y, **Zhang D**, Pagan J. Social Norm and the Consumption of Fruits and Vegetables in New York City. *Journal of Urban Health*. 2016: 1-12
86. Wang, Q., **Zhang, D.**, Hou, Z. Insurance coverage and socioeconomic differences in patient choice between private and public health care providers in China. *Social Science & Medicine*. 2016;170: 124-132.
87. Jin Y, Hou Z, **Zhang D**. Determinants of Health Insurance Coverage among People Aged 45 and over in China: Who Buys Public, Private and Multiple Insurance? *Plos One*. 2016; 11: e0161774
88. Liang D, **Zhang D**, Huang J, Schweitzer S. Does Rapid and Sustained Economic Growth Lead to Convergence in Health Resources: the Case of China from 1980-2010. *Inquiry*. 2016; 53: 0046958016631699
89. Zhang, X., Ra, C. K., **Zhang, D.**, Zhang, Y., & Macleod, K. E. The impact of school social support and bullying victimization on psychological distress among California adolescents. *Californian Journal of Health Promotion*. 2016;14(2): 56.
90. Shi L, **Zhang D**, Meijgaard J, MacLeod K, Fielding J. The Interaction between an Individual's Acculturation and Community Factors on Physical Inactivity, Obesity and Hypertension: A Multilevel Analysis. *American Journal of Public Health*. 2015;105(7): 1460-1467

### Publications in Progress

1. Jun L, **Zhang D\***, Shi L. The Effects of Immigrant Density around Place of Residence on Residents' Health (submitted)
2. Pan X, **Zhang D\***, Heo J, Park C, Li G, Li Y, Jalajel N, Crish C, Gu Y, Young H, Lavender D, Shi L. Association between Antihypertensive Use and Alzheimer's Disease and Related Dementias among Older Adults in the United States (submitted)
3. Shi L, Martin E, **Zhang D\***, Chen Z, Li H, Han X, Wen M, Chen L, Li Y, Li J, Ramos A, King K, Michaud T, Su D. Racism, Mental Health, and Substance Use During the COVID-19 Pandemic: Findings from a nationally representative survey in the United States (submitted)
4. Li G, **Zhang D\***, Mu L, Thapa J, Li Y, Chen Z, Yue D, Feng Z, Pagán J. Do out-of-state

students attending medical school or completing graduate medical education in a state contribute to the growth of the local physician workforce? (submitted)

5. Zhang Y, Zhao J, Yu Z, **Zhang D**, Wu S, Zhang Y, Wang G, Zhang J, Jiang F. Impact of home confinement due to COVID-19 pandemic on mental health in young children: a natural experiment (submitted)
6. Wu S, Zhang Y, **Zhang D**, Palfrey J, Zhao J, Shi L, Mao Y, Jiang F. Sibling Effect on Early Childhood Development (submitted)
7. Liu J, Yi S, Russo R, **Zhang D**, Thapa J, Li Y. Trends in prevalence of cardiometabolic diseases by food security status, 1999-2016 (submitted)
8. Ishikawa Y, Lewis R, Laing E, Anderson A, **Zhang D**, Quyyumi A, Dunbar S, Kapoor R, Sattler E. Prevalence and Trends of Type 2 Diabetes and Prediabetes among Community-Dwelling Heart Failure Patients in the United States, 2005-2016 (submitted)

### Published Abstracts and Commentary

1. Ishikawa Y, Lewis RD, Laing EM, Anderson AK, **Zhang D**, Quyyumi AA, Dunbar SB, Trivedi R, Sattler EL. Prevalence and Trends of Type 2 Diabetes Mellitus and Prediabetes Among Community-Dwelling Heart Failure Patients in the U.S. 2005-2016: A National Health and Nutrition Examination Survey (NHANES) Analysis. *Circulation*. 2020; Suppl\_1: AP318-AP318
2. Katapodis N, **Zhang D**, Mulay G, Alvin D, Andrews M, Thapa J. Assessing the Healthfulness of Chain Restaurants in Georgia Counties after Mandatory Menu Labeling. APHA's 2019 Annual Meeting and Expo (Nov. 2-Nov. 6)
3. **Zhang D**, Katapodis N, Thapa J. Abstracts Presented at the First Saunders-Watkins Leadership Workshop May 22-23, 2018. *Ethnicity & Disease*. 2019; Suppl 1: 209–226.
4. Li Y, Siscovick DS, **Zhang D**, Pagán JA. Healthy Food Marketing Can Potentially Increase Consumption of Fruit and Vegetables in New York City Neighborhoods. *Circulation*. 2016, 133 (suppl\_1), AP283-AP283
5. Hou, Z., Wang, Q., & **Zhang, D**. No health insurance and multiple insurance among internal migrants in China: a national cross-sectional study. *The Lancet*. 2017;390: S97.
6. Hou, Z., & **Zhang, D**. Health insurance coverage and inpatient services choice among rural-to-urban migrants from a nationwide cross-sectional survey in China: does location matter? *The Lancet*. 2017;390: S27.
7. Shi L, Khademi A, Timmons S, Luo C, Giabbanelli P, **Zhang D**. Assessing local health interventions with evidence-based simulation. 2015. 8th Annual Conference on the Science of Dissemination and Implementation
8. **Zhang D**, Shi L, Meijgaard J. The Interaction Between an Individual's Acculturation and Community Factors on Physical Inactivity and Obesity. *Circulation*. 2014,129 (suppl\_1), AP307-AP307
9. Shi L, **Zhang D**. Refocusing China's Family Planning Commission in the 21st Century.

China Health Review. 2011;2(1)

### Book Chapter

1. Khademi, A., **Zhang, D.**, Giabbanelli, P. J., Timmons, S., Luo, C., & Shi, L. An Agent-Based Model of Healthy Eating with Applications to Hypertension. *Advanced Data Analytics in Health* (pp. 43-58). 2018. Springer, Cham.

### Conference oral presentations

1. 7/2021 *Oral Presentation* Agricultural & Applied Economics Association Conference, Austin, Texas. Li G, Thapa J, Soo H, Katapodis N, Li Y, Mu L, Chen Z, Pagan J, Giabbanelli P, Liu J, **Zhang D.** Scaling up the SNAP-Ed Toolkit Intervention to Improve Fruit and Vegetable Consumption across Counties in Georgia: A Cost-Effectiveness Analysis
2. 5/2021 *Oral Presentation* American Heart Association Epidemiology, Prevention, Lifestyle & Cardiometabolic Health. Ishikawa Y, Laing E, Anderson A, **Zhang D**, Trivedi-Kapoor R, Sattler E. Comparison of Diagnostic Methods for Diabetes Diagnosis in Patients with Heart Failure: A National Health and Nutrition Examination Survey Analysis
3. 10/2020 *Oral Presentation* APHA's 2020 VIRTUAL Annual Meeting and Expo (Oct. 24-28) Yang, J., Mu, L., Thapa, J., Thapa, K., Gay, J., **Zhang D.** Geographic pattern and variation of childhood physical activity, physical fitness and their association with the built environment in Georgia
2. 11/2019 *Oral Presentation* APHA's 2019 Annual Meeting and Expo (Nov. 2-Nov. 6) Katapodis N., **Zhang D.**, Mulay G., Alvin D., Andrews M., Thapa J. Assessing the Healthfulness of Chain Restaurants in Georgia Counties after Mandatory Menu Labeling
3. 7/2019 *Oral Presentation* Agricultural & Applied Economics Association Conference. Katapodis N., Thapa J., **Zhang D.**, Edwards M., Alvin D., Mulay G. Assessing Healthfulness of the Food Environment in 16 Georgia Counties after the Mandatory Menus Labeling and Predicted Impact on Healthy Eating
4. 6/2019 *Poster Presentation* AcademyHealth Annual Conference. Washington DC. Thapa J., Chung S, Mekonnen B, Pham F and **Zhang D.** Opioid-Related Hospitalizations, Its Association with Comorbidities, and Payer Differences in Rural and Urban America
5. 5/2018 *Oral Presentation* Saunders-Watkins Leadership Workshop National Heart, Lung, & Blood Institute, National Institutes of Health. **Zhang, D.** Agent-based modeling in implementation studies
6. 3/2018 *Poster Presentation* American Academy of Health Behavior Conference. Smith, M. L., Towne, S. D. Jr., Bergeron, C. D., **Zhang, D.**, McCord, C., Goltz, H. H., Mier, N., & Ory, M. G. Geographic disparities associated with travel to medical care and attendance in programs to prevent/manage chronic illness
7. 10/2017 *Oral Presentation* 39th Annual North American Meeting. Society for Medical Decision Making. Xie X, Jian K, Li Y, **Zhang D.** Combining Econometric Analysis and Simulation Modeling to Evaluate Population-Based Health Policies for Chronic Disease

Prevention and Control: A Conceptual Framework

8. 7/2017 *Oral Presentation* International Health Economics Association. Wang G, Chapel J, **Zhang D**. Health and Healthcare Use of Medicaid Enrollees Aged 18-64 Years by Hypertension Status
9. 6/2017 *Poster Presentation* AcademyHealth Annual Conference. **Zhang D**, Zhang P, Fang J, Ayala C, Wang G. Medical Expenditures Associated with Hypertension in the US: 2000 – 2013
10. 4/2017 *Oral Presentation* American Heart Association QCOR 2017 Scientific Sessions. **Zhang, D.**, Ido, M. S., Shi, L., Green, D, Hess D. Impact of Participation in a Telestroke Network on In-hospital Mortality in Georgia, Arlington, VA
11. 4/2017 *Oral Presentation* Population Association of America. **Zhang D**, Liang D. Gender Difference in Depressive Symptoms among Older Family Caregivers in China
12. 4/2017 *Poster Presentation* Population Association of America. Liang D, **Zhang D**. Son preference and the transition of intergenerational support in China
13. 10/2016 *Poster Presentation* Society for Medical Decision Making North American Meeting. **Zhang D**, Joo H, Wang G. An Overview of Cost-Effectiveness of Community-Based Interventions for Controlling High Blood Pressure
14. 6/2016 *Poster Presentation* American Society of Health Economists Sixth Biennial Conference. Zhang Y, **Zhang D**, Jiang F. Children's Daily Time Use and Its Associations with Obesity and Mental Health among Shanghai's Primary-School Students
15. 3/2016 *Poster Presentation* American Heart Association Epi/ Lifestyle 2016. Li Y, **Zhang D**, Pagan J, Siscovick D. Healthy Food Marketing Can Potentially Increase Consumption of Fruit and Vegetables in New York City Neighborhoods
16. 12/2015 *Poster Presentation* AcademyHealth 8th Annual Conference on the Science of Dissemination and Implementation. Shi L, Timmons S, Khademi A, Luo Q, **Zhang D**. Assessing local health interventions with evidence-based simulation
17. 11/2015 *Poster Presentation* American Heart Association Scientific Session. **Zhang D**, Cogswell M, Wang G. Dietary Improvements and the Preventable Cost of Cardiovascular Disease: Evidence from the Literature
18. 6/2015 *Poster Presentation* AcademyHealth Annual Research Meeting. **Zhang D**, Wang G. Medical Expenditures Associated with Hyperlipidemia by Cardiovascular Disease Status among US Adults
19. 5/2015 *Oral Presentation* Kunshan Forum 2015 Conference. **Zhang D**, Zhang L. Impact of Supplemental Medical Insurance on Hypertension Control among Hypertensive Patients Aged 45 and Older
20. 6/2014 *Oral Presentation* American Society of Health Economists Fifth Biennial Conference 2014. Shi L, **Zhang D**. Health Care Utilization with China's New Rural Cooperative Medical Scheme: Update Evidence from the 2011-2012 China Health and Retirement Study

21. 6/2014 *Oral Presentation* AcademyHealth Annual Research Meeting 2014. **Zhang D**, Zimmerman F. Projecting the Impact of Different Policies on Unhealthy Dietary Behaviors in an Urban Adult Population: An Agent-Based Simulation Model
22. 3/2014 *Poster Presentation* American Heart Association Epi/ Lifestyle 2014. **Zhang D**, Shi L, Meijgaard J, Fielding J. The Interaction between an Individual's Acculturation and Community Factors on Physical Inactivity and Obesity
23. 11/2011 *Poster Presentation* 139th APHA Annual Meeting 2011. **Zhang D**, MacLeod K, Mathew G. Association of Neighborhood Economic Status with Adults' Physical Inactivity in Los Angeles County
24. 7/2011 *Oral Presentation* CCER CHARLS Second Users' Conference. **Zhang D**, Lang J. Determinants of Patient Choice of Medical Facilities in an Elderly Chinese Population
25. 6/2011 *Poster Presentation* AcademyHealth Annual Research Meeting 2011. **Zhang D**, Zimmerman F. Eating Western Fast Food Increases the Risk of Overweight and Obesity in Chinese Children – An Instrumental-Variables Analysis
26. 12/2010 *Poster Presentation* UC Global Health Day 2010. **Zhang D**, Zimmerman F. Association of Fast-Food Consumption with Rising Risk of Obesity in Chinese Children

#### **TEACHING EXPERIENCES**

2017-Present	Introduction to Health Policy and Management (Master level)
2017-Present	Research Methods in Health Policy (Doctoral level)
Invited lectures	Fundamentals in Health Policy Obesity policy Multi-level modeling Systems science and agent-based modeling Estimating economic burden of diseases
Workshop	Co-hosted the “Economic Analysis of Public Health Programs” workshop, American Public Health Association. 2018 & 2019

#### **PROFESSIONAL SERVICES:**

2021	Scientific Reviewer for the National Institute of Diabetes and Digestive and Kidney Diseases
2020	Scientific Reviewer for the Agency for Healthcare Research and Quality
2020	Scientific Reviewer for the National Heart Lung and Blood Institute
2016	Objective Review for the Centers for Disease Control and Prevention

- 2016 Technical support on economic evaluation for the government of Vermont
- 2011 Technical support for community hospitals in Los Angeles County to use the UCLA Forecasting Microsimulation tool

Journal Reviewer Health Affairs, American Journal of Public Health, Lancet, American Journal of Preventive Medicine, American Journal of Epidemiology, Medicine, Journal of Rural Health, Public Health, Obesity Reviews, Journal of Gerontology: Social Sciences, Diabetology & Metabolic Syndrome, BMC Medical Informatics and Decision Making, Global Health Research and Policy, Plos One, Journal of Aging & Social Policy

**PROFESSIONAL SOCIETY MEMBERSHIP:**

- 2010-present AcademyHealth
- 2014-present American Society of Health Economists
- 2011-present American Public Health Association
- 2014-present American Heart Association/American Stroke Association
- 2011-present China Health Policy and Management Society (US-based)  
*2020-2022 Board of Directors*
- 2018-present China Economists Society (US-based)

**HONORS AND AWARDS:**

- 2021 UGA College of Public Health Excellence in Research Award
- 2020 Nominee, UGA College of Public Health, 2021 ASPPH Early Career Research Excellence Award
- 2019 Best Paper Award, China Health Policy and Management Society (US-based)
- 2017 Early Career Travel Stipend Award, American Heart Association
- 2013 Travel Award for the Systems Approaches to the Obesity Epidemic, Johns Hopkins Global Center on Childhood Obesity

**ADMINISTRATIVE SERVICES:**

- 2019-Present Annual Health Services Research Day Planning Committee in the Emory Department of Medicine
- 2019-Present Georgia Healthcare Task Force

2020-2021	UGA College of Public Health Faculty Advisory Council
2020-Present	UGA Department of Health Policy and Management DrPH Committee
2016	UGA College of Public Health Awards Committee
2017-Present	UGA Department of Health Policy and Management PhD Committee