

Sean Y. Sylvia

Associate Professor

Curriculum Vita

2026-04-01

CONTACT INFORMATION

Department of Health Policy and Management
Gillings School of Global Public Health
University of North Carolina at Chapel Hill
1101-D McGavran-Greenberg Bldg., CB 7411
Chapel Hill, NC 27599-3210

Phone: +1 (919) 445-0886

Email: sean.sylvia@unc.edu

Personal Website: <https://ssylvia.io>

Carolina Population Center
Room 2150, 123 W Franklin St
Chapel Hill, NC 27516

Cecil G. Sheps Center for Health Services Research
725 M.L.K. Jr Blvd
Chapel Hill, NC 27516

EDUCATION

2014 Ph.D., Agricultural and Resource Economics (Development Economics), University of Maryland

2012 M.S., Agricultural and Resource Economics, University of Maryland

2006 B.A., Economics and International Studies, University of Alabama

PROFESSIONAL EXPERIENCE

2023- Associate Professor, Department of Health Policy and Management, University of North Carolina at Chapel Hill

2023- Faculty Fellow, Cecil G. Sheps Center for Health Services Research

2021- Faculty Fellow, Frank Porter Graham Child Development Institute

2019- Faculty Fellow, Carolina Population Center

2017-23 Assistant Professor, Department of Health Policy and Management, University of North Carolina at Chapel Hill

2014-17 Assistant Professor, School of Economics, Renmin University of China

2010-12 Short-term Consultant, Development Economics Research Group, World Bank

AWARDS & SCHOLARSHIPS

2025 Research Excellence Award, Gillings School of Global Public Health, UNC

2018 Rising Scholar Best Paper Award, China Health Policy and Management Society

2007 Fulbright Fellowship, U.S. Student Program, China

2006 Phi Beta Kappa

2006 Undergraduate Research Award, University of Alabama

2006 Murray Haven Award in Economics, University of Alabama

PEER-REVIEWED ARTICLES

1. Siyan Meng, Yunqing Fei, Danyang Luo, Sean Y. Sylvia, M. Kumi Smith, 2026. “Incognito standardized patients for studying healthcare stigma: partial deception and other ethical challenges” *BMC Medical Ethics*; 27. <https://doi.org/10.1186/s12910-026-01397-4>
2. Esther O. Chung, Allison Frost, Stephanie L. Martin, Brian W. Pence, Sean Y. Sylvia, Siham Sikander, Joanna Maselko, 2025. “Early Life Grandmother Caregiving Trajectories and Child Development: A Longitudinal Study” *International Journal of Behavioral Development*:01650254251386761. <https://doi.org/10.1177/01650254251386761>
3. Tara Templin, Sophia Fort, Prasanna Padmanabham, Pratyush Seshadri, Ram Rimal, Junier Oliva, Kristin Hassmiller Lich, Sean Sylvia, Nasa Sinnott-Armstrong, 2025. “Framework for Bias Evaluation in Large Language Models in Healthcare Settings” *npj Digital Medicine*; 8:414. <https://doi.org/10.1038/s41746-025-01786-w>
4. Zhang Zhang, M. Kate Bundorf, Qing Gong, Justin G. Trogdon, Donna Gilleskie, Sean Y. Sylvia, 2025. “The Role of Telehealth Payment Parity on Recommended Care and Emergency Department Service Utilization Among Workers With Chronic Conditions” *Medical Care*; 63:779. <https://doi.org/10.1097/MLR.0000000000002185>
5. Zhang Zhang, M. Kate Bundorf, Qing Gong, Christopher M. Shea, Donna Gilleskie, Sean Y. Sylvia, 2025. “Telehealth Payment Parity and Outpatient Service Utilization: Evidence from Privately Insured Workers” *Health Affairs Scholar*; 3:qxaf068. <https://doi.org/10.1093/haschl/qxaf068>
6. Terence C. Cheng, Sean Sylvia, Winnie Yip, 2024. “Innovative Approaches of Measuring Care Quality in China’s Market for Telemedicine” *The Lancet Regional Health—Western Pacific*; 46
7. Mian Huang, Scott Rozelle, Yiming Cao, Jian Wang, Zhang Zhang, Zhijie Duan, Shuyi Song, Sean Sylvia, 2024. “Primary Care Quality and Provider Disparities in China: A Standardized-Patient-Based Study” *The Lancet Regional Health – Western Pacific*; 50. <https://doi.org/10.1016/j.lanwpc.2024.101161>
8. Gifty Marley, Phyllis Dako-Gyeke, Prajwol Nepal, Rohini Rajgopal, Evelyn Koko, Elizabeth Chen, Kwabena Nuamah, Kingsley Osei, Hubertus Hofkirchner, Michael Marks, Joseph D. Tucker, Rosalind Eggo, William Ampofo, Sean Sylvia, 2024. “Collective Intelligence–Based Participatory COVID-19 Surveillance in Accra, Ghana: Pilot Mixed Methods Study” *JMIR Infodemiology*; 4:e50125. <https://doi.org/10.2196/50125>
9. Yafei Si, Hao Xue, Huipeng Liao, Yewei Xie, Dong (Roman) Xu, M. Kumi Smith, Winnie Yip, Weibin Cheng, Junzhang Tian, Weiming Tang, Sean Sylvia, 2024. “The Quality of Telemedicine Consultations for Sexually Transmitted Infections in China” *Health Policy and Planning*; 39:307–317. <https://doi.org/10.1093/heapol/czad119>
10. Sean Sylvia, 2024. ““Don’t Panic”–Stephen Aylward, PhD, on AI in Medical Imaging” *North Carolina Medical Journal*; 85
11. Sean Sylvia, 2024. “Opening the “Black Box”: A Conversation with Microsoft’s Rich Caruana about AI in Health Care” *North Carolina Medical Journal*; 85
12. Sean Sylvia, Junier Oliva, 2024. “Artificial Intelligence in Health Care: Opportunities, Challenges, and the Road Ahead” *North Carolina Medical Journal*; 85. <https://doi.org/10.18043/001c.120561>
13. Tara Templin, Monika W. Perez, Sean Sylvia, Jeff Leek, Nasa Sinnott-Armstrong, 2024. “Addressing 6 Challenges in Generative AI for Digital Health: A Scoping Review” *PLOS Digital Health*; 3:e0000503. <https://doi.org/10.1371/journal.pdig.0000503>
14. Lei Wang, Dorien Emmers, Sean Sylvia, Yu Bai, Scott Rozelle, 2024. “Rural–Urban Differences in the Intergenerational Transmission of Cognitive Capabilities in China: Evidence from a Northwestern Province of China” *China Agricultural Economic Review*; 16:747–762. <https://doi.org/10.1108/CAER-12-2023-0374>
15. Lei Wang, Chuyu Song, Yue Xian, Sean Sylvia, Scott Rozelle, 2024. “Willingness-to-Pay for Early Childhood Development: A Field Experiment in Western China” *China Economic Review*; 85:102146
16. Yuju Wu, Yizhi Liang, Zhengjie Cai, Linhua Li, Chang Sun, Sean Sylvia, Huan Zhou, Jieyuan Feng, Scott Rozelle, 2024. “Process Quality, Diagnosis Quality, and Patient Satisfaction of Primary Care in Rural Western China: A Study Using Standardized Patients” *Patient Education and Counseling*; 123:108208
17. Siqi Zhang, Lei Wang, Renfu Luo, Scott Rozelle, Sean Sylvia, 2024. “The Medium-Term Impact of a Micronutrient Powder Intervention on Anemia among Young Children in Rural China” *BMC Public Health*; 24:426
18. Zhang Zhang, Qing Gong, Donna Gilleskie, Jeremy G. Moulton, Sean Y. Sylvia, 2024. “The Impact of Multimorbidity on Labor Force Participation Among the Middle-Aged and Older Working Population in the United States” *The*

- Journals of Gerontology: Series B; 79:gbae131. <https://doi.org/10.1093/geronb/gbae131>
19. Yunwei Chen, Yuju Wu, Sarah-Eve Dill, Yian Guo, Christopher Michael Westgard, Alexis Medina, Ann M Weber, Gary L Darmstadt, Huan Zhou, Scott Rozelle, others, 2023. "Effect of the mHealth-supported Healthy Future Programme Delivered by Community Health Workers on Maternal and Child Health in Rural China: Study Protocol for a Cluster Randomised Controlled Trial" *BMJ open*; 13:e065403
 20. M Huang, S Rozelle, Y Cao, Z Zhang, W Tang, Z Duan, Sean Y. Sylvia, 2023. "HSD115 Comparison of Primary Care Quality among Rural, Urban, and Online Providers: Evidence from a Pooled Analysis of Standardized Patient Studies in China" *Value in Health*; 26:S258
 21. Lu Liu, Yuju Wu, Xiannan Xian, Jieyuan Feng, Yuping Mao, Siva Balakrishnan, Ann M Weber, Gary L Darmstadt, Yunwei Chen, Sean Sylvia, others, 2023. "In-Hospital Formula Feeding Hindered Exclusive Breastfeeding: Breastfeeding Self-Efficacy as a Mediating Factor" *Nutrients*; 15:5074
 22. Yue Ma, Sean Sylvia, Dimitris Friesen, Katherine Overbey, Alexis Medina, Scott Rozelle, 2023. "The Salience of Information: Evidence from a Health Information Campaign in Rural China" *Economic Development and Cultural Change*; 72:1–26
 23. Gifty Marley, Xia Zou, Juan Nie, Weibin Cheng, Yewei Xie, Huipeng Liao, Yehua Wang, Yusha Tao, Joseph D Tucker, Sean Sylvia, others, 2023. "Improving Cascade Outcomes for Active TB: A Global Systematic Review and Meta-Analysis of TB Interventions" *PLoS medicine*; 20:e1004091
 24. Lei Wang, Yiwei Qian, Nele Warrinnier, Orazio Attanasio, Scott Rozelle, Sean Sylvia, 2023. "Parental Investment, School Choice, and the Persistent Benefits of an Early Childhood Intervention" *Journal of Development Economics*; 165:103166
 25. Yunwei Chen, Sean Sylvia, Paiou Wu, Hongmei Yi, 2022. "Explaining the Declining Utilization of Village Clinics in Rural China over Time: A Decomposition Approach" *Social Science & Medicine*; 301:114978
 26. Yunwei Chen, Sean Sylvia, Sarah-Eve Dill, Scott Rozelle, 2022. "Structural Determinants of Child Health in Rural China: The Challenge of Creating Health Equity" *International Journal of Environmental Research and Public Health*; 19:13845
 27. Weibin Cheng, Zhang Zhang, Samantha Hoelzer, Weiming Tang, Yizhi Liang, Yumeng Du, Hao Xue, Qiru Zhou, Winnie Yip, Xiaochen Ma, Junzhang Tian, Sean Sylvia, 2022. "Evaluation of a Village-Based Digital Health Kiosks Program: A Protocol for a Cluster Randomized Clinical Trial" *DIGITAL HEALTH*; 8:20552076221129100. <https://doi.org/10.1177/20552076221129100>
 28. Marisa Elena Domino, Sean Sylvia, Sherri Green, 2022. "Nudging Primary Care Providers to Expand the Opioid Use Disorder Workforce" *Health Services Research*; 57:403–410. <https://doi.org/10.1111/1475-6773.13894>
 29. Yumeng Du, Qiru Zhou, Weibin Cheng, Zhang Zhang, Samantha Hoelzer, Yizhi Liang, Hao Xue, Xiaochen Ma, Sean Sylvia, Junzhang Tian, others, 2022. "Factors Influencing Adoption and Use of Telemedicine Services in Rural Areas of China: Mixed Methods Study" *JMIR public health and surveillance*; 8:e40771
 30. Olawale Durosinmi-Etti, Bruce Fried, Karine Dubé, Sean Sylvia, Sandra Greene, Akudo Ikpeazu, Emmanuel Kelechi Nwala, 2022. "Sustainability of Funding for HIV Treatment Services: A Cross-Sectional Survey of Patients' Willingness to Pay for Treatment Services in Nigeria" *Global Health: Science and Practice*; 10
 31. Dorien Emmers, Juan Carlos Caro, Scott Rozelle, Sean Sylvia, 2022. "Early Parenting Interventions to Foster Human Capital in Developing Countries" *Annual Review of Resource Economics*; 14:169–192
 32. Qi Jiang, Xinshu She, Sarah-Eve Dill, Sean Sylvia, Manpreet Kaur Singh, Huan Wang, Matthew Boswell, Scott Rozelle, 2022. "Depressive and Anxiety Symptoms among Children and Adolescents in Rural China: A Large-Scale Epidemiological Study" *International journal of environmental research and public health*; 19:5026
 33. Qi Jiang, Sarah-Eve Dill, Sean Sylvia, Manpreet K Singh, Xinshu She, Eric Wang, Alexis Medina, Scott Rozelle, 2022. "Parenting Centers and Caregiver Mental Health: Evidence from a Large-Scale Randomized Controlled Trial in China" *Child Development*; 93:1559–1573
 34. Huidi Liu, Huibo Li, Dirk E Teuwen, Sean Sylvia, Haonan Shi, Scott Rozelle, Hongmei Yi, 2022. "Irrational Use of Medicine in the Treatment of Presumptive Asthma among Rural Primary Care Providers in Southwestern China" *Frontiers in Pharmacology*; 13:767917
 35. Sha Meng, Qingzhi Wang, Yuju Wu, Hao Xue, Linhua Li, Ruixue Ye, Yunwei Chen, Lucy Pappas, Muizz Akhtar, Sarah-Eve Dill, others, 2022. "The Know-Do Gap in Quality of Health for Chronic Non-Communicable Diseases in Rural China" *Frontiers in Public Health*; 10:953881
 36. M Kumi Smith, Danyang Luo, Siyan Meng, Yunqing Fei, Wei Zhang, Joseph Tucker, Chongyi Wei, Weiming Tang, Ligang Yang, Benny L Joyner, others, 2022. "An Incognito Standardized Patient Approach for Measuring and Reducing Intersectional Healthcare Stigma: A Pilot Cluster Randomized Control Trial" *JAIDS Journal of Acquired*

Immune Deficiency Syndromes:10–1097

37. Sean Sylvia, Renfu Luo, Jingdong Zhong, Sarah-Eve Dill, Alexis Medina, Scott Rozelle, 2022. “Passive versus Active Service Delivery: Comparing the Effects of Two Parenting Interventions on Early Cognitive Development in Rural China” *World development*; 149:105686
38. Sean Sylvia, Xiaochen Ma, Yaojiang Shi, Scott Rozelle, 2022. “Ordeal Mechanisms, Information, and the Cost-Effectiveness of Strategies to Provide Subsidized Eyeglasses” *Journal of Health Economics*; 82:102594. <https://doi.org/10.1016/j.jhealeco.2022.102594>
39. Rayner KJ Tan, Dan Wu, Suzanne Day, Yang Zhao, Heidi J Larson, Sean Sylvia, Weiming Tang, Joseph D Tucker, 2022. “Digital Approaches to Enhancing Community Engagement in Clinical Trials” *NPJ digital medicine*; 5:37
40. Qingzhi Wang, Sasmita Poudel Adhikari, Yuju Wu, Thankam S Sunil, Yuping Mao, Ruixue Ye, Chang Sun, Yaojiang Shi, Chengchao Zhou, Sean Sylvia, others, 2022. “Consultation Length, Process Quality and Diagnosis Quality of Primary Care in Rural China: A Cross-Sectional Standardized Patient Study” *Patient Education and Counseling*; 105:902–908
41. Huan Wang, Sarah-Eve Dill, Huan Zhou, Yue Ma, Hao Xue, Prashant Loyalka, Sean Sylvia, Matthew Boswell, Jason Lin, Scott Rozelle, 2022. “Off the COVID-19 Epicentre: The Impact of Quarantine Controls on Employment, Education and Health in China’s Rural Communities” *The China Quarterly*; 249:183–209
42. Yuju Wu, Ruixue Ye, Qingzhi Wang, Chang Sun, Sha Meng, Sean Sylvia, Huan Zhou, Dimitris Friesen, Scott Rozelle, 2022. “Provider Competence in Hypertension Management and Challenges of the Rural Primary Healthcare System in Sichuan Province, China: A Study Based on Standardized Clinical Vignettes” *BMC Health Services Research*; 22:849
43. Yuju Wu, Ruixue Ye, Chang Sun, Sha Meng, Zhengjie Cai, Linhua Li, Sean Sylvia, Huan Zhou, Lucy Pappas, Scott Rozelle, 2022. “Using Standardized Patients to Assess the Quality of Type 2 Diabetes Care among Primary Care Providers and the Health System: Evidence from Rural Areas of Western China” *Frontiers in Public Health*; 10:1081239
44. Yi Zhou, Ying Lu, Yuxin Ni, Dan Wu, Xi He, Jason J. Ong, Joseph D. Tucker, Sean Y. Sylvia, Fengshi Jing, Xiaofeng Li, Shanzi Huang, Guangquan Shen, Chen Xu, Yuan Xiong, Yongjie Sha, Mengyuan Cheng, Junjie Xu, Hongbo Jiang, Wencan Dai, Liqun Huang, Fei Zou, Cheng Wang, Bin Yang, Wenhua Mei, Weiming Tang, 2022. “Monetary Incentives and Peer Referral in Promoting Secondary Distribution of HIV Self-Testing among Men Who Have Sex with Men in China: A Randomized Controlled Trial” *PLOS Medicine*; 19:e1003928. <https://doi.org/10.1371/journal.pmed.1003928>
45. Dorien Emmers, Qi Jiang, Hao Xue, Yue Zhang, Yunting Zhang, Yingxue Zhao, Bin Liu, Sarah-Eve Dill, Yiwei Qian, Nele Warrinnier, others, 2021. “Early Childhood Development and Parental Training Interventions in Rural China: A Systematic Review and Meta-Analysis” *BMJ Global Health*; 6:e005578
46. Rui Li, Nathan Rose, Yi Ming Zheng, Yunwei Chen, Sean Sylvia, Henry Wilson-Smith, Alexis Medina, Sarah-Eve Dill, Scott Rozelle, 2021. “Early Childhood Reading in Rural China and Obstacles to Caregiver Investment in Young Children: A Mixed-Methods Analysis” *International Journal of Environmental Research and Public Health*; 18:1457
47. Xiaochen Ma, Huan Wang, Yaojiang Shi, Sean Sylvia, Lei Wang, Yiwei Qian, Scott Rozelle, 2021. “Improving Learning by Improving Vision: Evidence from Two Randomized Controlled Trials of Providing Vision Care in China” *Journal of Development Effectiveness*; 13:1–26
48. Jingchun Nie, Lifang Zhang, Jiayuan Gao, Jason Li, Qian Zhou, Yaojiang Shi, Sean Sylvia, Nathan Congdon, 2021. “Using Incognito Standardised Patients to Evaluate Quality of Eye Care in China” *British Journal of Ophthalmology*; 105:311–316
49. Min Su, Zhongliang Zhou, Yafei Si, Sean Sylvia, Gang Chen, Yanfang Su, Scott Rozelle, Xiaolin Wei, 2021. “Comparing the Quality of Primary Care between Public and Private Providers in Urban China: A Standardized Patient Study” *International Journal of Environmental Research and Public Health*; 18:5060
50. Sean Sylvia, Hongmei Yi, Hao Xue, Gordon Liu, 2021. “Public Service Quality under Permanent and Fixed-Term Employment Contracts: Evidence from Physician Supply of Primary Care” *medRxiv : the preprint server for health sciences*:2021–04
51. Sean Sylvia, Scott Rozelle, 2021. “Publishing and Assessing the Research of Economists: Lessons from Public Health” *China Economic Review*; 66:101601
52. Sean Sylvia, Nele Warrinnier, Renfu Luo, Ai Yue, Orazio Attanasio, Alexis Medina, Scott Rozelle, 2021. “From Quantity to Quality: Delivering a Home-Based Parenting Intervention through China’s Family Planning Cadres” *The Economic Journal*; 131:1365–1400
53. Huan Wang, Sarah-Eve Dill, Huan Zhou, Yue Ma, Hao Xue, Sean Sylvia, Kumi Smith, Matthew Boswell, Alexis

- Medina, Prashant Loyalka, others, 2021. "Health, Economic, and Social Implications of COVID-19 for China's Rural Population" *Agricultural Economics*; 52:495–504
54. Huan Wang, Markus Zhang, Robin Li, Oliver Zhong, Hannah Johnstone, Huan Zhou, Hao Xue, Sean Sylvia, Matthew Boswell, Prashant Loyalka, others, 2021. "Tracking the Effects of COVID-19 in Rural China over Time" *International Journal for Equity in Health*; 20:1–13
 55. Lei Wang, Yifei Chen, Sean Sylvia, Sarah-Eve Dill, Scott Rozelle, 2021. "Trajectories of Child Cognitive Development during Ages 0–3 in Rural Western China: Prevalence, Risk Factors and Links to Preschool-Age Cognition" *BMC pediatrics*; 21:199
 56. Xinyi You, Jing Gu, Dong Roman Xu, Shanshan Huang, Hao Xue, Chun Hao, Yunzhou Ruan, Sean Sylvia, Jing Liao, Yiyuan Cai, others, 2021. "Impact of the Gate-Keeping Policies of China's Primary Healthcare Model on the Future Burden of Tuberculosis in China: A Protocol for a Mathematical Modelling Study" *BMJ open*; 11:e048449
 57. Jing Zhang, Jun-Jie Xu, Hong-Yi Wang, Xiao-Jie Huang, Yao-Kai Chen, Hui Wang, Zhen-Xing Chu, Qing-Hai Hu, Xiao-Qing He, Yao Li, others, 2021. "Preference for Daily versus On-Demand Pre-Exposure Prophylaxis for HIV and Correlates among Men Who Have Sex with Men: The China Real-world Oral PrEP Demonstration Study" *Journal of the International AIDS Society*; 24:e25667
 58. Sasmita Poudel Adhikari, Sha Meng, Yu-Ju Wu, Y.*-Ping Mao, Rui-Xue Ye, Qing-Zhi Wang, Chang Sun, Sean Sylvia, Scott Rozelle, Hein Raat, others, 2020. "Epidemiology, Causes, Clinical Manifestation and Diagnosis, Prevention and Control of Coronavirus Disease (COVID-19) during the Early Outbreak Period: A Scoping Review" *Infectious diseases of poverty*; 9:1–12
 59. Fang Chang, Huan Wang, Yaqiong Qu, Qiang Zheng, Prashant Loyalka, Sean Sylvia, Yaojiang Shi, Sarah-Eve Dill, Scott Rozelle, 2020. "The Impact of Pay-for-Percentile Incentive on Low-Achieving Students in Rural China" *Economics of Education Review*; 75:101954
 60. Peipei Fu, Yi Wang, Shimeng Liu, Jiajia Li, Qiufeng Gao, Chengchao Zhou, Qingyue Meng, Sean Sylvia, 2020. "Analysing the Preferences for Family Doctor Contract Services in Rural China: A Study Using a Discrete Choice Experiment" *BMC Family Practice*; 21:1–8
 61. Wilson Guo, Sean Sylvia, Karl Umble, Yunwei Chen, Xiaoyuan Zhang, Hongmei Yi, 2020. "The Competence of Village Clinicians in the Diagnosis and Treatment of Heart Disease in Rural China: A Nationally Representative Assessment" *The Lancet Regional Health–Western Pacific*; 2
 62. Kathryn D Jackson, Colleen R Higgins, Sarah K Laing, Chiluba Mwila, Tamaki Kobayashi, Matthew M Ippolito, Sean Sylvia, Sachiko Ozawa, 2020. "Impact of Substandard and Falsified Antimalarials in Zambia: Application of the SAFARI Model" *BMC Public Health*; 20:1–11
 63. Renfu Luo, Grant Miller, Scott Rozelle, Sean Sylvia, Marcos Vera-Hernández, 2020. "Can Bureaucrats Really Be Paid like Ceos? Substitution between Incentives and Resources among School Administrators in China" *Journal of the European Economic Association*; 18:165–201
 64. Jingchun Nie, Xiaopeng Pang, Lei Wang, Scott Rozelle, Sean Sylvia, 2020. "Seeing Is Believing: Experimental Evidence on the Impact of Eyeglasses on Academic Performance, Aspirations, and Dropout among Junior High School Students in Rural China" *Economic Development and Cultural Change*; 68:335–355
 65. Adhikari Samita Powdel, Sha Meng, Yu-ju Wu, Y.*-Ping Mao, Rue-Xue Ye, Qing-Zhi Wang, Chang Sun, Sean Sylva, Scott Rozella, Hein Raat, others, 2020. "Epidemiology, Causes, Clinical Manifestation and Diagnosis" *Prevention and Control of Coronavirus Disease (COVID-19) during the early outbreak period: a scoping review, Infectious Diseases of Poverty*; 9:1–12
 66. M Kumi Smith, Richie H Xu, Shanda L Hunt, Chongyi Wei, Joseph D Tucker, Weiming Tang, Danyang Luo, Hao Xue, Cheng Wang, Ligang Yang, others, 2020. "Combating HIV Stigma in Low-and Middle-Income Healthcare Settings: A Scoping Review" *Journal of the International AIDS Society*; 23:e25553
 67. Huan Wang, Sarah-Eve Dill, Huan Zhou, Yue Ma, Hao Xue, Prashant Loyalka, Sean Sylvia, Matthew Boswell, Jason Lin, Scott Rozelle, 2020. "Off the Epicenter: COVID-19 Quarantine Controls and Employment, Education, and Health Impacts in Rural Communities" *Rural Education Action Program Working Paper*
 68. Yuju Wu, Huan Zhou, Xiao Ma, Yaojiang Shi, Hao Xue, Chengchao Zhou, Hongmei Yi, Alexis Medina, Jason Li, Sean Sylvia, 2020. "Using Standardised Patients to Assess the Quality of Medical Records: An Application and Evidence from Rural China" *BMJ quality & safety*; 29:491–498
 69. Hongmei Yi, Huidi Liu, Zhiping Wang, Hao Xue, Sean Sylvia, Haonan Shi, Dirk E Teuwen, Ying Han, Jiong Qin, 2020. "The Competence of Village Clinicians in the Diagnosis and Management of Childhood Epilepsy in South-western China and Its Determinants: A Cross-Sectional Study" *The Lancet Regional Health–Western Pacific*; 3
 70. Hongmei Yi, Paiou Wu, Xiaoyuan Zhang, Dirk E Teuwen, Sean Sylvia, 2020. "Market Competition and Demand for

- Skills in a Credence Goods Market: Evidence from Face-to-Face and Web-Based Non-Physician Clinician Training in Rural China” *Plos one*; 15:e0233955
71. Ai Yue, Yu Bai, Yaojiang Shi, Renfu Luo, Scott Rozelle, Alexis Medina, Sean Sylvia, 2020. “Parental Migration and Early Childhood Development in Rural China” *Demography*; 57:403–422
 72. Huan Zhou, Ruixue Ye, Sean Sylvia, Nathan Rose, Scott Rozelle, 2020. ““At Three Years of Age, We Can See the Future”: Cognitive Skills and the Life Cycle of Rural Chinese Children” *Demographic research*; 43:169
 73. Ruilie Cai, Ji Tang, Chenhui Deng, Guofan Lv, Xiaohe Xu, Sean Sylvia, Jay Pan, 2019. “Violence against Health Care Workers in China, 2013–2016: Evidence from the National Judgment Documents” *Human resources for health*; 17:1–14
 74. Prashant Loyalka, Sean Sylvia, Chengfang Liu, James Chu, Yaojiang Shi, 2019. “Pay by Design: Teacher Performance Pay Design and the Distribution of Student Achievement” *Journal of Labor Economics*; 37:621–662
 75. Dong Roman Xu, Mengyao Hu, Wenjun He, Jing Liao, Yiyuan Cai, Sean Sylvia, Kara Hanson, Yaolong Chen, Jay Pan, Zhongliang Zhou, others, 2019. “Assessing the Quality of Primary Healthcare in Seven Chinese Provinces with Unannounced Standardised Patients: Protocol of a Cross-Sectional Survey” *BMJ open*; 9:e023997
 76. Hao Xue, Yaojiang Shi, Lei Huang, Hongmei Yi, Huan Zhou, Chengchao Zhou, Sarah Kotb, Joseph D Tucker, Sean Y Sylvia, 2019. “Diagnostic Ability and Inappropriate Antibiotic Prescriptions: A Quasi-Experimental Study of Primary Care Providers in Rural China” *Journal of Antimicrobial Chemotherapy*; 74:256–263
 77. Qiufeng Gao, Yaojiang Shi, Di Mo, Jingchun Nie, Meredith Yang, Scott Rozelle, Sean Sylvia, 2018. “Medical Waste Management in Three Areas of Rural China” *PloS one*; 13:e0200889
 78. Jing Liao, Yaolong Chen, Yiyuan Cai, Nan Zhan, Sean Sylvia, Kara Hanson, Hong Wang, Judith N Wasserheit, Wenjie Gong, Zhongliang Zhou, others, 2018. “Using Smartphone-Based Virtual Patients to Assess the Quality of Primary Healthcare in Rural China: Protocol for a Prospective Multicentre Study” *BMJ open*; 8:e020943
 79. Hao Xue, Gordon Liu, Yaojiang Shi, Jingchun Nie, Emma Auden, Sean Sylvia, 2018. “How Does Physician Gender Influence Primary Care Quality? Evidence from a Standardised Patient Audit Study in China” *The Lancet*; 392:S66
 80. Hao Xue, Yaojiang Shi, Lei Huang, Hongmei Yi, Huan Zhou, Chengchao Zhou, Sarah Kotb, Joseph D Tucker, Sean Sylvia, 2018. “Drivers of Inappropriate Antibiotic Prescriptions: A Quasi-Experimental Study of Antibiotic Prescription by Primary Care Providers in Rural China” *The Lancet*; 392:S40
 81. Hao Xue, Jennifer Hager, Qi An, Kai Liu, Jing Zhang, Emma Auden, Bingyan Yang, Jie Yang, Hongyan Liu, Jingchun Nie, others, 2018. “The Quality of Tuberculosis Care in Urban Migrant Clinics in China” *International Journal of Environmental Research and Public Health*; 15:2037
 82. Chengfang Liu, Louise Lu, Linxiu Zhang, Renfu Luo, Sean Sylvia, Alexis Medina, Scott Rozelle, Darwin Scott Smith, Yingdan Chen, Tingjun Zhu, 2017. “Effect of Deworming on Indices of Health, Cognition, and Education among Schoolchildren in Rural China: A Cluster-Randomized Controlled Trial” *The American journal of tropical medicine and hygiene*; 96:1478–1489
 83. Prashant Kumar Loyalka, May Maani, Yue Qu, Sean Sylvia, 2017. “Absolute versus Comparative Advantage: Consequences for Gender Gaps in Stem and College Access” Available at SSRN 2908533
 84. Renfu Luo, Ai Yue, Huan Zhou, Yaojiang Shi, Linxiu Zhang, Reynaldo Martorell, Alexis Medina, Scott Rozelle, Sean Sylvia, 2017. “The Effect of a Micronutrient Powder Home Fortification Program on Anemia and Cognitive Outcomes among Young Children in Rural China: A Cluster Randomized Trial” *BMC Public Health*; 17:1–16
 85. Yaojiang Shi, Hongmei Yi, Huan Zhou, Chengchao Zhou, Hao Xue, Scott Rozelle, Alexis Medina, Sean Sylvia, 2017. “The Quality of Primary Care and Correlates among Grassroots Providers in Rural China: A Cross-Sectional Standardised Patient Study” *The Lancet*; 390:S16
 86. Sean Sylvia, Hao Xue, Chengchao Zhou, Yaojiang Shi, Hongmei Yi, Huan Zhou, Scott Rozelle, Madhukar Pai, Jishnu Das, 2017. “Tuberculosis Detection and the Challenges of Integrated Care in Rural China: A Cross-Sectional Standardized Patient Study” *PLoS medicine*; 14:e1002405
 87. Yaojiang Shi, H Xue, H.*Wang, S Sylvia, A Medina, S Rozelle, 2016. “Measuring the Quality of Doctors’ Health Care in Rural China: An Empirical Research Using Standardized Patients” *Studies in Labor Economics*; 4:48–71
 88. Huan Zhou, Shuai Sun, Renfu Luo, Sean Sylvia, Ai Yue, Yaojiang Shi, Linxiu Zhang, Alexis Medina, Scott Rozelle, 2016. “Impact of Text Message Reminders on Caregivers’ Adherence to a Home Fortification Program against Child Anemia in Rural Western China: A Cluster-Randomized Controlled Trial” *American journal of public health*; 106:1256–1262
 89. Liying Li, Renfu Luo, Alexis Medina, Scott Rozelle, 2015. “The Prevalence of Anemia in Central and Eastern China: Evidence from the China Health and Nutrition Survey” *The Southeast Asian journal of tropical medicine and public health*; 46:306–321

- Meeting, San Diego Jan 2020.
13. Yi H, Xue H, Shi Y, Liu G, Sylvia S*. “Fixed-term Contracts, Decentralization, and the Quality of Primary Care: Evidence from China’s Iron Rice Bowl,” Oral Presentation at the International Health Economics Association World Congress, Basel, Jul 2019.
 14. Yi H, Xue H, Shi Y, Liu G, Sylvia S*. “Fixed-term Contracts, Decentralization, and the Quality of Primary Care: Evidence from China’s Iron Rice Bowl,” Oral Presentation at the Allied Social Science Associations (ASSA) Annual Meetings, Atlanta, Jan 2019.
 15. Xue H, Liu G, Shi Y, Nie J, Auden E, Sylvia S. “How does physician gender influence primary care quality? evidence from a standardised patient audit study in China.” Published Abstract, Lancet-CAMS Health Summit 2018, Oct 2018.
 16. Xue H, Shi Y, Huang L, Yi H, Zhou H, Zhou C, Kotb S, Tucker JD, Sylvia S. “Drivers of inappropriate antibiotic prescriptions: a quasi-experimental study of antibiotic prescription by primary care providers in rural China.” Published Abstract, Lancet-CAMS Health Summit 2018, Oct 2018.
 17. Sylvia S, Warrinnier N, Luo R, Yue A, Attanasio O, Medina A, Rozelle S. “From Quantity to Quality: Delivering a Home-based Parenting Intervention through China’s Family Planning Cadres,” Society of Labor Economists Annual Conference, Toronto May 2018.
 18. Xue H, Shi Y, Huang L, Yi H, Zhou H, Zhou C, Kotb S, Tucker J, Sylvia S*. “Drivers of Inappropriate Antibiotic Prescriptions: A Quasi-Experimental Study of Primary Care Providers in Rural China,” China Health Policy and Management Society Annual Conference, New Haven May 2018.
 19. Yi H, Xue H, Shi Y, Liu G, Sylvia S*, “Fixed-term Contracts, Decentralization, and the Quality of Primary Care: Evidence from China’s Iron Rice Bowl,” Chinese Economists Society Annual Meeting, Athens Apr 2018.
 20. Shi Y, Yi H, Zhou H, Zhou C, Xue H, Rozelle S, Medina A, Sylvia S, “The quality of primary care and correlates among grassroots providers in rural China: a cross-sectional standardised patient study,” Published Abstract, Lancet-CAMS Health Summit 2017, Beijing, Dec 2017.
 21. Sylvia S, Xue H, Zhou C, Shi Y, Yi H, Zhou H, Rozelle S, Pai M, Das J. “Tuberculosis detection and the cost of integrated care in rural China: a cross-sectional standardised patient study,” Published Abstract, Lancet-CAMS Health Summit 2017, Beijing, Dec 2017.
 22. Sylvia S, Warrinnier N, Luo R, Yue A, Attanasio O, Rozelle S. “From Quantity to Quality: Delivering a Home-based Parting Intervention through China’s Family Planning Cadres,” 10th Annual China Economics Summer Institute (CESI), Beijing, Aug 2017.
 23. Sylvia S*, “Early Childhood Development in Rural China: Status and Constraints,” Oral Presentation in Plenary Session of the Chinese Economist Society (CES) North America Conference, Tuscaloosa, Mar 2017.
 24. Sylvia S*, Warrinnier N, Luo R, Yue A, Attanasio O, Rozelle S. “The Quality of Primary Care in Rural China: Evidence from Undercover Patients,” Oral Presentation at the Hayami Conference, Graduate Institute for Policy Studies, Tokyo, Dec 2016.
 25. Sylvia S*, Warrinnier N, Luo R, Yue A, Attanasio O, Rozelle S. “Quantity to Quality: Delivering a Home-based Parenting Intervention through China’s Family Planning Workers,” Oral Presentation at the ILO/Renmin University/UCW Workshop on the Chinese Labor Market, Dec 2016.
 26. Sylvia S*, Ma X, Shi Y, Rozelle S, Lawell C-Y. “Ordeal Mechanisms, Information, and the Cost-Effectiveness of Subsidies: Evidence from Subsidized Eyeglasses in Rural China,” Oral Presentation at the Western Economic Association International (WEAI) Annual Conference, Portland, Oct 2016.
 27. Loyalka P, Sylvia S*, Liu C, Chu J, Shi Y. “Pay by Design: Teacher Performance Pay Design and the Distribution of Student Achievement,” Oral Presentation at UNU-WIDER Conference on Human Capital and Growth, Helsinki, Jun 2016.
 28. Sylvia S*, “The Quality of Healthcare Provision in Rural China: Evidence from Mystery Patients,” Oral Presentation at the Chinese Economist Society (CES) North America Conference, Sacramento, Apr 2016.
 29. Sylvia S*, “Managerial Incentives in Public Service Delivery: Evidence from School-based Nutrition Programs in Rural China,” Oral Presentation at the International Conference of Agricultural Economists (ICAE), Milan, Aug 2015.
 30. Yang Y, Wang H, Zhang L, Sylvia S*, Luo R, Shi Y, Wang W, Rozelle S. “The Han-Minority Achievement Gap, Language, and Returns to Schools in Rural China,” Oral Presentation at the Association for Asian Studies (AAS) Annual Conference, Chicago, Mar 2015.
 31. Loyalka P, Sylvia S*, Liu C, Chu J, Shi Y. “Pay by Design: Teacher Performance Pay Design and the Distribution of Student Achievement,” Oral Presentation at the Pacific Conference for Development Economics (PacDev), UC San Diego, Mar 2015.

32. Loyalka P, Sylvia S*, Liu C, Chu J, Shi Y. "Pay by Design: Teacher Performance Pay Design and the Distribution of Student Achievement," Oral Presentation at the Western Economic Association International (WEAI).
33. Sylvia S*, Miller G, Vera-Hernández M, "Multiple Tasks and Multiple Rewards: Experimental Evidence on Performance Incentives, Alignment, and Complementarity from Chinese Schools," Oral Presentation at the Allied Social Science Associations (ASSA) Annual Meetings, Boston, Jan 2015.
34. Loyalka P, Sylvia S*, Liu C, Chu J, Shi Y. "Pay by Design: Teacher Performance Pay Design and the Distribution of Student Achievement," Oral Presentation at the Center for Marketing and Public Organization Workshop on Public Services in Developing Countries, Bristol University, Nov 2014.
35. Sylvia S*, "Managerial Incentives in Public Service Delivery: Evidence from School-based Nutrition Programs in Rural China," Oral Presentation at the Public Economics UK (PEUK) Conference, Bristol University, Sep 2014.
36. Sylvia S*, Ma X, Shi Y, Rozelle S, Lawell C-Y. "Ordeal Mechanisms and Information in the Promotion of Health Goods in Developing Countries: Evidence from Rural China," Oral Presentation at Chinese Economist Society (CES) North America Conference, Purdue University, Apr 2014.
37. Sylvia S*, "Managerial Incentives in Public Service Delivery: Evidence from School-based Nutrition Programs in Rural China," Oral Presentation at Royal Economic Society Graduate Conference, University College London, Feb 2014.
38. Sylvia S*, "High-powered Incentives for Anemia Reduction in Rural China," Oral Presentation at the Chinese Economist Society (CES) Annual Conference, Chengdu, Jun 2013.
39. Sylvia S*, Luo R, Zhang L, Shi Y, Medina A, Rozelle S. "Getting What You Pay For with School-based Health Programs: Evidence from a Randomized Controlled Trial of Educator Incentives for Anemia Reduction in Rural China," Oral Presentation at Chinese Economist Society (CES) Annual Conference, Kaifeng, Jul 2012.
40. Miller G, Luo R, Zhang L, Sylvia S*, Shi Y, Foo P, Zhao Q, Martorell R, Medina A, Rozelle S. "A Cluster-Randomized Trial of Provider Incentives for Anemia Reduction in Rural China," Oral Presentation at the Northeast Universities Development Consortium (NEUDC) Annual Conference, Yale University, Oct 2011.
41. Miller G, Luo R, Zhang L, Sylvia S*, Shi Y, Foo P, Zhao Q, Martorell R, Medina A, Rozelle S. "A Cluster-Randomized Trial of Provider Incentives for Anemia Reduction in Rural China," Oral Presentation at the Mind the Gap: From Evidence to Policy Impact 3ie Impact Evaluation Conference, Cuernavaca, Oct 2011.

INVITED TALKS & SEMINARS

1. "Global Health Economics, China, & the Science of Healthcare Delivery in the Digital Age," University of Maryland, Oct 2022.
2. "Global Health Economics, China, & the Science of Healthcare Delivery in the Digital Age," Stanford University, July 2022.
3. "The Quality of Medical Advice in China: Economics and Experiments," Yale University, March 2022.
4. "The Quality of Primary Care in Rural China: Evidence from Mystery Patients and Audit Experiments," The Pennsylvania State University Oct 2021.
5. "Prenatal Investment, School Choice, and the Persistent Benefits of Intervention in Early Childhood" NC State, Oct 2021.
6. "Direct-to-Consumer Telemedicine Platforms and the Market for Medical Advice in China," Harvard China Health Partnership Dec 2020.
7. "The Quality of Primary Care in Rural China: Evidence from Mystery Patients," Department of Global Health and Population, Harvard University Feb 2020.
8. "Evaluating Primary Care Quality with Mystery Patients," FHI 360, Durham, NC Feb 2020.
9. "The Quality of Primary Care in Rural China: Evidence from Mystery Patients," LICOS, KU Leuven, Jul 2019.
10. "Primary Care Quality and Health Care Reform," Keynote, Sino-UK Health Forum, University of Nottingham, Ningbo May 2019.
11. "Early Childhood Development in Rural China: Evidence from the Qinling Cohort Study," Carolina Asia Center, China Speaker Series, Mar 2019.
12. "Early Childhood Development in Rural China: Evidence from the Qinling Cohort Study," Carolina Population Center, Jan 2019.
13. "The Quality of Primary Care in Rural China: Evidence from Mystery Patients," Sichuan University School of Public Health, Jul 2018.

14. "Tuberculosis Detection and the Challenges of Integrated Care in Rural China: A Cross-sectional Standardized Patient Study," UNC Institute for Global Health and Infectious Disease, Nov 2017.
15. "The Quality of Primary Care in Rural China: Evidence from Mystery Patients," Sun Yatsen Global Health Institute, Nov 2017.
16. "The Fundamental Role of Primary Care Quality in Achieving a Healthy China," Presentation at the Beijing Forum, Beijing, Oct 2017.
17. "From Quantity to Quality: Delivering a Home-based Parting Intervention through China's Family Planning Cadres," Triangle Health Economics Workshop, Oct 2017.
18. "The Quality of Primary Care in Rural China: Evidence from Mystery Patients," Peking University China National Health Development Research Center (CHNDRC), Jul 2017.
19. "The Quality of Primary Care in Rural China: Evidence from Mystery Patients," Shandong University School of Public Health, Jun 2017.
20. "The Quality of Primary Care in Rural China: Evidence from Mystery Patients," Global Health Research Center, Duke Kunshan University, Oct 2016.
21. "Cognitive Development of Infants and Toddlers in China: Sources of Growth and Constraints to Development," Oral Presentation at the Grand Challenges Annual Meeting, Gates Foundation Healthy Birth, Growth and Development Knowledge Integration Initiative, London, Oct 2016.
22. "The Quality of Primary Care in Rural China: Evidence from Mystery Patients," China Center for Health Economic Research (CCHER), Peking University, Aug 2016.
23. "Early Childhood Development in Rural China: Status and Interventions," Rural Early Care and Education (ECE) Forum, Peking University-Stanford Center, May 2016.
24. "New Public Management for the New Normal: China's Human Capital Crisis and the Role of Incentives in Health and Education," Jackson School of International Studies, University of Washington, Mar 2016.
25. "New Public Management for the New Normal: China's Human Capital Crisis and the Role of Incentives in Health and Education," Chinese Center for Agricultural Policy (CCAP), Chinese Academy of Sciences, Mar 2016.
26. "Anemia and Cognitive Outcomes: Evidence from 30,000 Children in Rural China," Oral Presentation at the Grand Challenges Annual Meeting, Gates Foundation Healthy Birth, Growth and Development Knowledge Integration Initiative, Oct 2015.
27. "Pay by Design: Teacher Performance Pay Design and the Distribution of Student Achievement," Central University of Economics and Business, Beijing Oct 2015.
28. "Primary Care Quality in Rural China," Oral Presentation at the Workshop on the Quality of Healthcare: Measurement Efforts to Improve Quality, Bill and Melinda Gates Foundation, New Delhi, Jun 2015.
29. "Pay by Design: Teacher Performance Pay Design and the Distribution of Student Achievement," Tsinghua University School of Economics and Management, Beijing May 2015.
30. "Family Structure and the Heterogeneous Effects of Interventions," Oral Presentation at the Asian Family in Transition Initiative Workshop, University of Chicago Center, Hong Kong, Mar 2015.
31. "Managerial Incentives in Public Service Delivery: Evidence from School-based Nutrition Programs in Rural China," Chinese Center for Agricultural Policy, Beijing Oct 2014.
32. "Managerial Incentives in Public Service Delivery: Evidence from School-based Nutrition Programs in Rural China," Stanford University, Freeman Spogli Institute for International Studies, Apr 2014.
33. "Managerial Incentives in Public Service Delivery: Evidence from School-based Nutrition Programs in Rural China," National Graduate Research Institute for Policy Studies (GRIPS), Tokyo, Japan Feb 2014.
34. "Managerial Incentives in Public Service Delivery: Evidence from School-based Nutrition Programs in Rural China," Stanford University, Stanford Center for International Development (SCID), Dec 2013.

TEACHING ACTIVITIES

Teaching – Lead Instructor

University of North Carolina at Chapel Hill

- Advanced Quantitative Methods in Health Services Research (PhD)
– 16 students Spring 2026

- 22 students Spring 2025
- Analysis of Categorical Data (PhD)
 - 25 students Spring 2024
- Health Economics (Masters)
 - 55 students Fall 2023
 - 60 students Fall 2022
 - 45 students Fall 2021
 - 46 students Fall 2020
 - 57 students Fall 2019
 - 49 students Fall 2018

Student Mentoring & Advising

Doctoral Dissertation Committee Chair

- **Zhang Zhang (PhD)** - “Telehealth and Impact on Healthcare Utilization and Quality of Care”; Graduated 2024
 - Initial placement: Post-doctoral Scholar, Johns Hopkins University
- **Yunwei Chen (PhD)** - “Information, Caregiver Beliefs, and Child Health: Evidence from China and the US”; Graduated 2025
 - Initial placement: Post-doctoral Scholar, Stanford University
- **Karishma D’Souza (PhD)** - “Technology, Innovation & Healthcare in LMICs: A Study of Telemedicine in India”; Graduated 2025
- **Nick Schaad (DrPH)** - “Strengthening HIV Electronic Medical Record Data Demand and Use to Improve HIV Service Delivery in Tanzania”; Graduated 2025
- **Prajwol Nepal (PhD)** - “Non-prescription antibiotics use among children in Nepal: Evidence and interventions in community settings”; Graduated 2024
- **Wei Chang (PhD)** - “Decision-Making Power for Women and Girls: Evaluating Interventions in Maternal, Sexual, and Reproductive Health in Low- and Middle-Income Countries”; Graduated 2020
 - Initial placement: Post-doctoral Scholar, Harvard University
- **J. Carlos Caro (PhD)** - “Early childhood development, health behaviors and nutritional health in a context of high overweight prevalence: evidence from two large interventions in Chile”; Graduated 2020
 - Initial placement: Post-doctoral Scholar, University of Luxembourg

Doctoral Dissertation Committee Member

- Mukesh Adhikari (PhD), Health Policy and Management; Graduated 2026
- Brenda Amezquita-Castro (PhD), Health Policy and Management; In-progress
- Doyoung Kim (PhD), Health Policy and Management; In-progress
- Assanatou Bamogo (PhD), Maternal and Child Health; In-progress (Curriculum Committee)
- Nick Stacey (PhD), Health Economics, London School of Economics; Graduated 2024 (External Viva Examiner)
- Christopher Westgard (PhD), Maternal and Child Health; Graduated 2024
- Rym Ghouma (PhD), Health Economics, London School of Hygiene and Tropical Medicine; Graduated 2024 (External Viva Examiner)
- Evelyn Abayaah-Issah (DrPH); Graduated 2024
- Minne Chen (PhD), Sociology; Graduated 2023
- Margaret Byrne (PhD), Health Policy and Management; Graduated 2023
- Grace Ghantous (DrPH), Health Policy and Management; Graduated 2023
- Esther Chung (PhD), Epidemiology; Graduated 2023
- Dorien Emmers (PhD), Economics, KU Leuven; Graduated 2021
- Nele Warrinnier (PhD), Economics, KU Leuven; Graduated 2019
- Olawale Durosinmi-Etti (DrPH), Health Policy and Management; Graduated 2020

Masters Paper Reader

- Helen Rolf, MSPH (First); Graduated 2023
- Jared Brown-Rabinowitz, MSPH (First); Graduated 2022
- Rohini Rajgopal, MSPH (First); Graduated 2022
- Yunwei Chen, MSPH (First); Graduated 2019
- Katie Jackson, MPH (First); Graduated 2019
- Dennis Xuan, MSPH (First); Graduated 2018

Undergraduate Honors Thesis Reader

- Xinran Ming, BSPH (First); Graduated 2022
- Camille Mittendorf, BSPH (Second); Graduated 2020
- Wilson Guo, BSPH (First); Graduated 2019
- Yuan Quan, BSPH (First); Graduated 2018

Academic Advisor

PhD: Shuyi Song, Lirui Jiao, Mukesh Adhikari, Zhang Zhang, Prajwol Nepal, Yunwei Chen, Karishma D'Souza, Wei Chang, J. Carlos Caro

DrPH: Nick Schaad

MSPH/MHA/MA: Helen Rolf (MSPH), Jared Brown-Rabinowitz (MSPH), Earl Chen (MHA), Rohini Rajgopal (MSPH), Jeremy Wood (MSPH), Anh Nguyen (MHA), Yunwei Chen (MSPH), Peter Wakuma (MA, Renmin University)

BSPH: Andrew Se, Anna Clarke Harrison, Camille Mittendorf, Andrew Heise

Other Mentoring Activities

- Co-organizer and Volunteer Mentor, “Navigating Careers in Global Health Economics” Mentoring Workshop
- Faculty Mentor, UNC Institute for Global Health and Infectious Disease - Southern Medical University Training Program
- Mentor, International Health Economics Association (iHEA) Mentorship Program

RESEARCH FUNDING

ACTIVE

No Grant Number (Sylvia/Templin) 01/2026–06/2027 Humana Foundation A Behavioral Economic Digital Health Tool to Improve DPP Adherence: A Feasibility Pilot Role: Principal Investigator Total Budget: \$350,000

K01AI159233 (Sylvia) 08/2022–07/2026 NIH/NIAID

Understanding the Drivers of Antibiotic use in the Treatment of Childhood Diarrhea and Relationship to Antibiotic Resistance in China

Role: Principal Investigator

No Grant Number (Sylvia) Gillings Innovation Lab

Utilizing Reinforcement Learning with Collective Expert Feedback to Advance the Use of Generative AI for Primary Care

Role: Principal Investigator

R01AI173558 (Boyce) 09/2023–08/2027 NIH/NIAID

After the flood: Optimal strategies to prevent malaria epidemics caused by severe flooding

Role: Co-Investigator

R01HD101453 (Tumlinson) 05/2021–04/2026
NIH/NICHD
Social Accountability Interventions to Increase Contraceptive Use
Role: Co-Investigator

R01AI158826 (Tucker) 03/2021–02/2026
NIH/NIAID
Pay-it-forward gonorrhea testing among men who have sex with men: The PIONEER pragmatic randomized controlled trial
Role: Co-Investigator

R01HD030880 (Popkin) 06/2020–05/2026
NIH/NICHD
Monitoring Social Change: Health and Human Capital from Childhood to Adulthood
Role: Co-Investigator

COMPLETED

10T2OD032581-02-321 (Oliva/Sylvia) 09/2023–09/2025 NIH/Artificial Intelligence and Machine Learning Consortium to Advance Health Equity and Researcher Diversity (AIM AHEAD) Human+AI Collaborative Systems for Better Medical Decision-Making Role: Co-PI

No Grant Number (Sylvia) 2024–2025 Carolina Population Center Open Sourcing a Maternal and Child Health Home Visiting Platform Called “Healthy Future” Role: Principal Investigator Total Budget: \$30,000

R305A210064 (Murray) 01/2023–12/2025 DOED Institute of Education Sciences (IES) Integrating mindfulness into school counseling to enhance resilience for adolescents in the context of stress Role: Co-Investigator

R34MH121251 (Sylvia/Smith) 09/2019–06/2022 NIH/NIMH
Standardized Patients to Measure and Address Intersectional Stigma: An HIV Prevention Engagement Strategy
Role: MPI

62614510 (Sylvia) 09/2021 – 08/2022
Stanford University
Developing a Curriculum for Early Childhood Nutrition and Psychosocial Stimulation for Parenting Centers in China
Role: Primary Investigator

NIH Grant (Domino) 08/2018–07/2020
NIH/NIDA
Nudges and incentives to enhance the opioid treatment workforce
Role: Co-Investigator

MEMBERSHIPS & PROFESSIONAL SERVICE

Memberships

- American Economic Association
- International Health Economics Association
- American Society of Health Economists
- Society of Labor Economists
- Agricultural and Applied Economics Association
- Association for Asian Studies
- Association for Comparative Economic Studies
- Chinese Economists Society
- China Health Policy and Management Society
- Human Capital and Economic Opportunity Global Working Group

Department, School, University Service

Department - Economics PhD Minor Lead (2025–) - PhD Advisory Committee (2024–) - BSPH Admissions Committee (2018–2019) - Master’s Program Advisory Committee (2019–2023) - Equity in Hiring Task Force (2021-2023) - Tenure-track Search Committee (2022)

School - Gillings Study Section (2023, 2024) - Gillings Public Health AI Working Group (2023, 2024)

University - Carolina Population Center Director’s Advisory Committee (2022–) - Carolina Asia Center Advisory Committee (2018–) - Foreign Language and Area Studies Fellowship (FLAS) Selection Committee (2019, 2020)

Professional Service

Editorial Boards - Associate Editor, BMJ Global Health (2025–)

Reviewer for: - Journal of Medical Internet Research - American Economic Journal: Applied Economics - Journal of Health Economics - Journal of Public Economics - Health Economics - Health Economics Review - Journal of Human Resources - Journal of Development Economics - Economic Journal - World Development - Demography - BMJ - BMJ Global Health - Health Policy and Planning - Economic Development and Cultural Change - Center for Global Development - International Initiative for Impact Evaluation (3ie) - PLOS Medicine - BMC Public Health - Health Economics, Policy and Law - Annals of the New York Academy of Sciences

Guest Editor - North Carolina Medical Journal, AI in Medicine Special Issue (2024)

Other Professional Activities - Co-organizer, Global Health Economics Working Group (2022–2024) - Co-Organizer, “Navigating Careers in Global Health Economics” Mentoring Workshop (2022) - iHEA Congress Scientific Committee Review Panel (2021,2023) - NIH Review Panel – Social Sciences and Population Studies B Study Section (2021) - NSF Ad-hoc Reviewer, Economic Sciences Program (2023) - NIH Ad-hoc Reviewer, Health Services and Systems: Career Development Award Grant Review (ZRG1 HSS-M90) (2026)

PRACTICE

- Co-Founder & Interim CEO, Collective Good Health Inc. (Social enterprise)

LANGUAGES

- English: Native Language
- Chinese: Professional working proficiency
- Japanese: Japanese Language Proficiency Test (JLPT), Level 2 (second highest of 4 levels)