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Curriculum Vita  
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**CONTACT INFORMATION**

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**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. 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>
2. 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>
3. 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>
4. Zhang Zhang, M. Kate Bundorf, Qing Gong, Christopher M. Shea, Donna Gilleskie, Sean Y. Sylvia, 2025. “Tele-health Payment Parity and Outpatient Service Utilization: Evidence from Privately Insured Workers” *Health Affairs Scholar*; 3:qxaf068
5. Zhang Zhang, M Kate Bundorf, Qing Gong, Christopher M Shea, Donna Gilleskie, Sean Y Sylvia, 2025. “Tele-health Payment Parity and Outpatient Service Utilization: Evidence from Privately Insured Workers” *Health Affairs Scholar*; 3:qxaf068. <https://doi.org/10.1093/haschl/qxaf068>
6. Zhang Zhang, M Kate Bundorf, Qing Gong, Christopher M Shea, Donna Gilleskie, Sean Y Sylvia, 2025. “Tele-health Payment Parity and Outpatient Service Utilization: Evidence from Privately Insured Workers” *Health Affairs Scholar*; 3:qxaf068. <https://doi.org/10.1093/haschl/qxaf068>
7. 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
8. 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
9. 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>
10. 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>
11. 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>
12. Yafei Si, Hao Xue, Huipeng Liao, Yewei Xie, Dong (Roman) Xu, M Kumi Smith, Winnie Yip, Weibin Cheng, Jun-zhang 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>
13. Sean Sylvia, 2024. ““Don’t Panic”–Stephen Aylward, PhD, on AI in Medical Imaging” *North Carolina Medical Journal*; 85
14. Sean Sylvia, 2024. “Opening the “Black Box”: A Conversation with Microsoft’s Rich Caruana about AI in Health Care” *North Carolina Medical Journal*; 85
15. 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>
16. 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>
17. 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

18. 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
19. 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>
20. 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
21. 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: Psychological Sciences and Social Sciences; 79:gbae131
22. 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
23. 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>
24. 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>
25. 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
26. M Huang, S Rozelle, Y Cao, Z Zhang, W Tang, Z Duan, given-i=SY family=Sylvia given=SY, 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
27. 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
28. 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
29. 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
30. 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
31. 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
32. 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
33. 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>
34. 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>
35. 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
36. 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

37. 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

38. 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

39. 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

40. 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

41. 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

42. 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

43. 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

44. 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>

45. 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

46. Qingzhi Wang, Sasmitta 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

47. 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

48. 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

49. 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

50. 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>

51. 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

52. 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

53. 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

54. 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

55. 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

56. 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

57. Sean Sylvia, Scott Rozelle, 2021. "Publishing and Assessing the Research of Economists: Lessons from Public Health" China Economic Review; 66:101601

58. 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

59. 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

60. 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

61. 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

62. 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

63. 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

64. 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

65. 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

66. 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

67. 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

68. 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

69. 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

70. 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

71. Adhikari Samita Powdel, Sha Meng, Yu-ju Wu, Y.\*-Ping Mao, Rue-Xue Ye, Qing-Zhi Wang, Chang Sun, Sean Sylvia, 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
72. 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
73. 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*
74. 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
75. 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
76. 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
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78. 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
79. 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
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81. 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
82. 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
83. Qiaofeng 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
84. 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
85. 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
86. 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
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89. Prashant Kumar Loyalka, May Maani, Yue Qu, Sean Sylvia, 2017. "Absolute versus Comparative Advantage: Con-

sequences for Gender Gaps in Stem and College Access" Available at SSRN 2908533

90. 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
91. 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
92. 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
93. Sean Sylvia, Hao Xue, Chengchao Zhou, Yaojiang Shi, Hongmei Yi, Huan Zhou, Scott Rozelle, Madhukar Pai, Jishnu Das, 2017. "Tuberculosis Detection and the Cost of Integrated Care in Rural China: A Cross-Sectional Standardised Patient Study" *The Lancet*; 390:S60
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95. 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
96. 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
97. Renfu Luo, Yaojiang Shi, Huan Zhou, Ai Yue, Linxiu Zhang, Sean Sylvia, Alexis Medina, Scott Rozelle, 2015. "Micronutrient Deficiencies and Developmental Delays among Infants: Evidence from a Cross-Sectional Survey in Rural China" *BMJ open*; 5:e008400
98. Sean Sylvia, Yaojiang Shi, Hao Xue, Xin Tian, Huan Wang, Qingmei Liu, Alexis Medina, Scott Rozelle, 2015. "Survey Using Incognito Standardized Patients Shows Poor Quality Care in China's Rural Clinics" *Health policy and planning*; 30:322–333
99. Chengchao Zhou, Sean Sylvia, Linxiu Zhang, Renfu Luo, Hongmei Yi, Chengfang Liu, Yaojiang Shi, Prashant Loyalka, James Chu, Alexis Medina, others, 2015. "China's Left-behind Children: Impact of Parental Migration on Health, Nutrition, and Educational Outcomes" *Health affairs*; 34:1964–1971
100. Renfu Luo, Yaojiang Shi, Huan Zhou, Ai Yue, Linxiu Zhang, Sean Sylvia, Alexis Medina, Scott Rozelle, 2014. "Anemia and Feeding Practices among Infants in Rural Shaanxi Province in China" *Nutrients*; 6:5975–5991
101. Sean Sylvia, Renfu Luo, Linxiu Zhang, Yaojiang Shi, Alexis Medina, Scott Rozelle, 2013. "Do You Get What You Pay for with School-Based Health Programs? Evidence from a Child Nutrition Experiment in Rural China" *Economics of Education Review*; 37:1–12
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103. Grant Miller, Renfu Luo, Linxiu Zhang, Sean Sylvia, Yaojiang Shi, Patricia Foo, Qiran Zhao, Reynaldo Martorell, Alexis Medina, Scott Rozelle, 2012. "Effectiveness of Provider Incentives for Anaemia Reduction in Rural China: A Cluster Randomised Trial" *BMJ*. <https://doi.org/10.1136/bmj.e4809>

\*denotes student or mentee.

## PEER-REVIEWED PRESENTATIONS & ABSTRACTS

Indicates presentation given by Sean Sylvia

1. Sylvia S\*. "Sustainable AI for Primary Care," Panel Presentation at the Asia Development Research Institute International Conference on Innovations in Health Information Technology in LMICs, December 2025.
2. Sylvia S\*. "The Promise and Perils of Digital Health Transformation," Oral Presentation at the International Youth Conference on Public Health, July 2024.
3. Sylvia S\*. "Rural Digital Health Kiosks: Incentives and Demand-side Marketing for Platform Adoption," Oral Presentation at the International Health Economics Association (iHEA) World Congress, July 2023.

4. Domino M, Sylvia S\*, Green S. "Can Providers be Nudged into Expanding their Skill Set? A Statewide, Two-stage Experiment in North Carolina," Oral presentation at the American Society of Health Economists (ASHEcon) Annual Meeting, Austin July 2022.
5. Wang L, Qian Y, Warrinnier N, Attanasio O, Rozelle S, Sylvia S\*. "Parental Investment, School Quality, and the Persistent Benefits of Intervention in Early Childhood," Oral presentation at the American Society of Health Economists (ASHEcon) Annual Meeting, Austin July 2022.
6. Qian Y, Sylvia S\*, Rozelle S. "The Role of Social Interactions in Early Childhood Development: Evidence from Rural China," Oral Presentation at the Conference on Early Childhood Education and Social Inequalities, PSE-École d'Économie de Paris, June 2022.
7. Sylvia S\*. "Direct to Consumer Telemedicine Platforms and Markets for Medical Advice," Oral Presentation at the International Health Economics Association (iHEA) World Congress, Virtual Jun 2021.
8. Sylvia S\*. "Direct to Consumer Telemedicine Platforms and Markets for Medical Advice," Oral Presentation at the Annual Conference of the American Society of Health Economists, Virtual Jun 2021.
9. Wang L, Warriinnier N, Qian Y, Sylvia S, Attanasio O, Rozelle S. "Parental Investment, School Quality, and the Persistent Benefits of Intervention in Early Childhood," Oral Presentation at the Society of Labor Economists 2021 Conference, Virtual May 2021.
10. Sylvia S\*. "Parental Migration and Early Childhood Development in Rural China," Oral Presentation at the 2nd IUSSP Population, Poverty and Inequality Research Conference, Virtual Dec 2020.
11. Sylvia S\*. "Parental Investment, School Quality, and the Persistent Benefits of Intervention in Early Childhood," Oral Presentation at the Sustainable Development Goals: Global Progress and Practices Conference, Virtual Nov 2020.
12. Sylvia S\*, Yi H, Xue H, Liu G. "Public Service Quality and Civil Service versus Fixed-term Contracts: Evidence from Physician Supply of Primary Care," Oral Presentation at the Allied Social Sciences Association (ASSA) Annual 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 Parenting 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**

- 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 Durosini-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

**1OT2OD032581-02-321 (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)

## **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)