

Sean Y. Sylvia
Assistant Professor
Curriculum Vita

CONTACT INFORMATION

Department of Health Policy and Management
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PRIMARY RESEARCH INTERESTS

Global health economics, Health systems in low- and middle-income countries, Mechanism design applications to healthcare delivery, Economics of digital health

EDUCATION

2014 Ph.D., Agricultural and Resource Economics, University of Maryland
 2012 M.A., Agricultural and Resource Economics, University of Maryland
 2006 B.A., Economics and International Studies, University of Alabama

PROFESSIONAL EXPERIENCE

2021- Faculty Fellow, Frank Porter Graham Child Development Institute
 2019- Faculty Fellow, Carolina Population Center
 2017- 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

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

- Domino, M., **S. Sylvia**, and S. Green, 2021. "Nudging Primary Care Providers into Expanding the Labor Force for Opioid Use Disorder: A Statewide Experiment," In-press, *Health Services Research*.
- Emmers, D., Q. Jiang, H. Xue, Y. Zhang, Y. Zhang, Y. Zhao, B. Liu, S.-E. Dill, Y. Qian, N. Warrinnier, H. Johnstone, J. Cai, X. Wang, L. Wang, R. Luo, G. Li, J. Xu, M. Liu, Y. Huang, W. Shan, Z. Li, Y. Zhang, **S. Sylvia**, Y. Ma, A. Medina, S. Rozelle, 2021. Early Childhood Development and Parental Training Interventions in Rural China: A Systematic Review and Meta-analysis. *BMJ Global Health*;6:e005578. <http://dx.doi.org/10.1136/bmjgh-2021-005578>
- Wang, L., Y. Chen, **S. Sylvia**, S.-E. Dill, and S. Rozelle. Forthcoming. Trajectories of Child Cognitive Development during Ages 0–3 in Rural Western China: Prevalence, Risk Factors and Links to Preschool-Age Cognition. *BMC Pediatrics*.
- Su, M., Z. Zhou, Y. Si, **S. Sylvia**, G. Chen, Y. Su, S. Rozelle, X. 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. <https://doi.org/10.3390/ijerph18105060>

5. Wang, H., S.-E. Dill, H. Zhou, Y. Ma, H. Xue, P. Loyalka, **S. Sylvia**, M. Boswell, J. Lin, and S. Rozelle. Forthcoming. Off the Epicentre: COVID-19 Quarantine Controls and Employment, Education, and Health Impacts in Rural. *China Quarterly*.
6. Wang, H., S. Dill, H. Zhou, Y. Ma, **S. Sylvia**, M. Boswell, P. Loyalka, J. Lin, and S. Rozelle. Forthcoming. Health, Economic and Social Impacts of COVID-19 on China's Rural Population. *Agricultural Economics*.
7. Zhang, J., J.-J. Xu, H.-Y. Wang, X.-J. Huang, Y.-K. Chen, H. Wang, Z.-X. Chu, Q.-H. Hu, X.-Q. He, Y. Li, L.-K. Zhang, Z.-L. Hu, R.-T. Bao, S.-C. Li, H. Li, H.-B. Ding, Y.-J. Jiang, W.-Q. Geng, **S. Sylvia**, H. Shang, and CROPrEP Group. 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 (2):e25667. <http://dx.doi.org/10.1002/jia2.25667>. PMID: PMC7883476.
8. Wang, H., M. Zhang, R. Li, O. Zhong, H. Johnstone, H. Zhou, H. Xue, **S. Sylvia**, M. Boswell, P. Loyalka, and S. Rozelle. 2021. Tracking the Effects of COVID-19 in Rural China over Time. *International Journal for Equity in Health*. 20 (1):35. <http://dx.doi.org/10.1186/s12939-020-01369-z>. PMID: PMC7807215.
9. **Sylvia, S.**, N. Warrinnier*, R. Luo, A. Yue, O. Attanasio, A. Medina, and S. Rozelle. 2021. From Quantity to Quality: Delivering a Home-Based Parenting Intervention through China's Family Planning Cadres. *Economic Journal*. 131 (635):1365-1400. <https://doi.org/10.1093/ej/ueaa114>.
10. **Sylvia, S.**, and S. Rozelle. 2021. Publishing and Assessing the Research of Economists: Lessons from Public Health. *China Economic Review*. 66:101601. <https://doi.org/10.1016/j.chieco.2021.101601>.
11. Nie, J., L. Zhang*, J. Gao*, J. Li, Q. Zhou*, Y. Shi, **S. Sylvia**, and N. Congdon. 2021. Using Incognito Standardised Patients to Evaluate Quality of Eye Care in China. *BMJ British Journal of Ophthalmology*. 105 (3):311-6. <http://dx.doi.org/10.1136/bjophthalmol-2019-315103>.
12. Ma, X., H. Wang, Y. Shi, **S. Sylvia**, L. Wang, Y. Qian, and S. 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):1-26. <https://doi.org/10.1080/19439342.2021.1876139>.
13. Li, R., N. Rose, Y.M. Zheng, Y. Chen, **S. Sylvia**, H. Wilson-Smith, A. Medina, S.-E. Dill, and S. 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 (4):1457. <http://dx.doi.org/10.3390/ijerph18041457>. PMID: PMC7913908.
14. Zhou, H., R. Ye, **S. Sylvia**, N. Rose, and S. 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 (7):169-82. <http://dx.doi.org/10.4054/DemRes.2020.43.7>. PMID: PMC7963364.
15. Yue, A.*, Y. Bai*, Y. Shi, R. Luo, S. Rozelle, A. Medina, and **S. Sylvia**. 2020. Parental Migration and Early Childhood Development in Rural China. *Demography*. 57 (2):403-22. <http://dx.doi.org/10.1007/s13524-019-00849-4>.
16. Yi, H., P. Wu, X. Zhang, D.E. Teuwen, and **S. 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 (6):e0233955. <http://dx.doi.org/10.1371/journal.pone.0233955>. PMID: PMC7302647.
17. Yi, H., H. Liu, Z. Wang, H. Xue, **S. Sylvia**, H. Shi, D.E. Teuwen, Y. Han, and J. Qin. 2020. The Competence of Village Clinicians in the Diagnosis and Management of Childhood Epilepsy in Southwestern China and Its Determinants: A Cross-Sectional Study. *Lancet Regional Health – Western Pacific*. 3:100031. <https://doi.org/10.1016/j.lanwpc.2020.100031>.
18. Wu, Y.*, H. Zhou, X. Ma, Y. Shi, H. Xue, C. Zhou, H. Yi, A. Medina, J. Li, and **S. Sylvia**. 2020. Using Standardised Patients to Assess the Quality of Medical Records: An Application and Evidence from Rural China. *BMJ Quality & Safety*. 29 (6):491-8. <http://dx.doi.org/10.1136/bmjqs-2019-009890>. PMID: PMC7244376.
19. Smith, M.K., R.H. Xu, S.L. Hunt, C. Wei, J.D. Tucker, W. Tang, D. Luo, H. Xue, C. Wang, L. Yang, B. Yang, L. Li, B.L. Joyner, Jr., and **S. Sylvia**. 2020. Combating HIV Stigma in Low- and Middle-Income Healthcare Settings: A Scoping Review. *Journal of the International AIDS Society*. 23 (8):e25553. <http://dx.doi.org/10.1002/jia2.25553>. PMID: PMC7448195.
20. Nie, J.*, X. Pang, L. Wang, S. Rozelle, and **S. Sylvia**. 2020. Seeing Is Believing: Experimental Evidence of the Impact on Eyeglasses on Academic Performance, Aspirations and Dropout among Junior High School Students in Rural China. *Economic Development and Cultural Change*. 68 (2):335-55. <https://doi.org/10.1086/700631>.
21. Luo, R., G. Miller, S. Rozelle, **S. Sylvia**, and M. 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 (1):165-201. <https://doi.org/10.1093/jeea/jvy047>. PMID: PMC7053554.

22. Jackson, K.D.*, C.R. Higgins, S.K. Laing, C. Mwila, T. Kobayashi, M.M. Ippolito, **S. Sylvia**, and S. Ozawa. 2020. Impact of Substandard and Falsified Antimalarials in Zambia: Application of the SAFARI Model. *BMC Public Health*. 20 (1):1083. <http://dx.doi.org/10.1186/s12889-020-08852-w>. PMID: PMC7350731.
23. Guo, W.*, **S. Sylvia**, K. Umble, Y. Chen*, X. Zhang, and H. Yi. 2020. The Competence of Village Clinicians in the Diagnosis and Treatment of Heart Disease in Rural China: A Nationally Representative Assessment. *Lancet Regional Health – Western Pacific*. 2:100026. <https://doi.org/10.1016/j.lanwpc.2020.100026>.
24. Fu, P., Y. Wang, S. Liu, J. Li, Q. Gao*, C. Zhou, Q. Meng, and **S. 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):148. <http://dx.doi.org/10.1186/s12875-020-01223-9>. PMID: PMC7382837.
25. Chang, F., H. Wang, Y. Qu, Q. Zheng, P. Loyalka, **S. Sylvia**, Y. Shi, S.-E. Dill, and S. Rozelle. 2020. The Impact of Pay-for-Percentile Incentive on Low-Achieving Students in Rural China. *Economics of Education Review*. 75:101954. <https://doi.org/10.1016/j.econedurev.2020.101954>.
26. Adhikari, S.P., S. Meng, Y.-J. Wu, Y.-P. Mao, R.-X. Ye, Q.-Z. Wang, C. Sun, **S. Sylvia**, S. Rozelle, H. Raat, and H. Zhou. 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):29. <http://dx.doi.org/10.1186/s40249-020-00646-x>. PMID: PMC7079521.
27. Xue, H.*, Y. Shi, L. Huang*, H. Yi, H. Zhou, C. Zhou, S. Kotb*, J.D. Tucker, and **S. Sylvia**. 2019. Diagnostic Ability and Inappropriate Antibiotic Prescriptions: A Quasi-Experimental Study of Primary Care Providers in Rural China. *Journal of Antimicrobial Chemotherapy*. 74 (1):256-63. <http://dx.doi.org/10.1093/jac/dky390>.
28. Xu, D.R., M. Hu, W. He, J. Liao, Y. Cai, **S. Sylvia**, K. Hanson, Y. Chen, J. Pan, Z. Zhou, N. Zhang, C. Tang, X. Wang, S. Rozelle, H. He, H. Wang, G. Chan, E.R. Melipillan, W. Zhou, and W. Gong. 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. <http://dx.doi.org/10.1136/bmjopen-2018-023997>. PMID: PMC6398795.
29. Luo, R., D. Emmers*, N. Warrinnier*, S. Rozelle, and **S. Sylvia**. 2019. Using Community Health Workers to Deliver a Scalable Integrated Parenting Program in Rural China: A Cluster-Randomized Controlled Trial. *Social Science & Medicine*. 239:112545. <https://doi.org/10.1016/j.socscimed.2019.112545>. PMID: PMC7249221.
30. Loyalka, P., **S. Sylvia**, C. Liu, J. Chu*, and Y. Shi. 2019. Pay by Design: Teacher Performance Pay Design and the Distribution of Student Achievement. *Journal of Labor Economics*. 37 (3):621-62. <http://dx.doi.org/10.1086/702625>.
31. Cai, R., J. Tang, C. Deng, G. Lv, X. Xu, **S. Sylvia**, and J. Pan. 2019. Violence against Health Care Workers in China, 2013-2016: Evidence from the National Judgment Documents. *Human Resources for Health*. 17:103. <http://dx.doi.org/10.1186/s12960-019-0440-y>. PMID: PMC6933725.
32. Xue, H.*, J. Hager*, Q. An*, K. Liu*, J. Zhang*, E. Auden*, B. Yang*, J. Yang*, H. Liu*, J. Nie*, A. Wang*, C. Zhou, Y. Shi, and **S. Sylvia**. 2018. The Quality of Tuberculosis Care in Urban Migrant Clinics in China. *International Journal of Environmental Research and Public Health*. 15 (9):e2037. <http://dx.doi.org/10.3390/ijerph15092037>. PMID: PMC6163912.
33. Liao, J., Y. Chen, Y. Cai, N. Zhan, **S. Sylvia**, K. Hanson, H. Wang, J.N. Wasserheit, W. Gong, Z. Zhou, J. Pan, X. Wang, C. Tang, W. Zhou, and D.R. Xu. 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 (7):e020943. <http://dx.doi.org/10.1136/bmjopen-2017-020943>. PMID: PMC6089284.
34. Lei, W.*, M. Li*, S. Zhang*, Y. Sun*, **S. Sylvia**, E. Yang, G. Ma, L. Zhang, D. Mo, and S. Rozelle. 2018. Contract Teachers and Student Achievement in Rural China: Evidence from Class Fixed Effects. *Australian Journal of Agricultural and Resource Economics*. 62 (2):299-322. <http://dx.doi.org/10.1111/1467-8489.12250>.
35. Gao, Q.*, Y. Shi, D. Mo, J. Nie*, M. Yang, S. Rozelle, and **S. Sylvia**. 2018. Medical Waste Management in Three Areas of Rural China. *PLOS ONE*. 13 (7):e0200889. <http://dx.doi.org/10.1371/journal.pone.0200889>. PMID: PMC6054418.
36. **Sylvia, S.**, H. Xue*, C. Zhou, Y. Shi, H. Yi, H. Zhou, S. Rozelle, M. Pai, and J. Das. 2017. Tuberculosis Detection and the Challenges of Integrated Care in Rural China: A Cross-Sectional Standardized Patient Study. *PLOS Medicine*. 14 (10):e1002405. <http://dx.doi.org/10.1371/journal.pmed.1002405>. PMID: PMC5644979.
37. Luo, R., A. Yue*, H. Zhou, Y. Shi, L. Zhang, R. Martorell, A. Medina, S. Rozelle, and **S. 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):738. <http://dx.doi.org/10.1186/s12889-017-4755-0>. PMID: PMC5613507.

38. Liu, C., L. Lu, L. Zhang, R. Luo, **S. Sylvia**, A. Medina, S. Rozelle, D.S. Smith, Y. Chen, and T. Zhu. 2017. Effect of Deworming on Indices of Health, Cognition, and Education among Schoolchildren in Rural China: A Cluster-Randomized Controlled Trial. *American Journal of Tropical Medicine and Hygiene*. 96 (6):1478-89. <http://dx.doi.org/10.4269/ajtmh.16-0354>. PMID: PMC5462590.
39. Zhou, H., S. Sun*, R. Luo, **S. Sylvia**, A. Yue*, Y. Shi, L. Zhang, A. Medina, and S. 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 (7):1256-62. <http://dx.doi.org/10.2105/ajph.2016.303140>. PMID: PMC4984765.
40. Zhou, C., **S. Sylvia**, L. Zhang, R. Luo, H. Yi, C. Liu, Y. Shi, P. Loyalka, J. Chu, A. Medina, and S. Rozelle. 2015. China's Left-behind Children: Impact of Parental Migration on Health, Nutrition, and Educational Outcomes. *Health Affairs*. 34 (11):1964-71. <http://dx.doi.org/10.1377/hlthaff.2015.0150>.
41. Yang, Y.*, H. Wang*, L. Zhang, **S. Sylvia**, R. Luo, Y. Shi, W. Wang*, and S. Rozelle. 2015. The Han-Minority Achievement Gap, Language, and Returns to Schools in Rural China. *Economic Development and Cultural Change*. 63 (2):319-59. <http://dx.doi.org/10.1086/679070>. PMID: PMC4307025.
42. **Sylvia, S.**, Y. Shi, H. Xue*, X. Tian*, H. Wang*, Q. Liu, A. Medina, and S. Rozelle. 2015. Survey Using Incognito Standardized Patients Shows Poor Quality Care in China's Rural Clinics. *Health Policy and Planning*. 30 (3):322-33. <http://dx.doi.org/10.1093/heapol/czu014>.
43. Luo, R., Y. Shi, H. Zhou, A. Yue, L. Zhang, **S. Sylvia**, A. Medina, and S. Rozelle. 2015. Micronutrient Deficiencies and Developmental Delays among Infants: Evidence from a Cross-Sectional Survey in Rural China. *BMJ Open*. 5 (10):e008400. <http://dx.doi.org/10.1136/bmjopen-2015-008400>. PMID: PMC4611485.
44. Li, L., R. Luo, A. Medina, S. Rozelle, and **S. Sylvia**. 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 (2):306-21.
45. Luo, R., Y. Shi, H. Zhou, A. Yue, L. Zhang, **S. Sylvia**, A. Medina, and S. Rozelle. 2014. Anemia and Feeding Practices among Infants in Rural Shaanxi Province in China. *Nutrients*. 6 (12):5975-91. <http://dx.doi.org/10.3390/nu6125975>. PMID: PMC4277010.
46. **Sylvia, S.**, R. Luo, L. Zhang, Y. Shi, A. Medina, and S. 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. <http://dx.doi.org/10.1016/j.econedurev.2013.07.003>.
47. Miller, G., R. Luo, L. Zhang, **S. Sylvia**, Y. Shi, P. Foo, Q. Zhao, R. Martorell, A. Medina, and S. Rozelle. 2012. Effectiveness of Provider Incentives for Anaemia Reduction in Rural China: A Cluster Randomised Trial. *BMJ*. 345:e4809. <http://dx.doi.org/10.1136/bmj.e4809>. PMID: PMC3406729.

MANUSCRIPTS UNDER REVIEW

*denotes student or mentee.

1. **Sylvia, S.**, R. Luo, J. Zhong, S. Dill, A. Medina, and S. Rozelle. "Passive versus active service delivery: Comparing the effects of two parenting interventions on early cognitive development in rural China," Revise & Resubmit, *World Development*, current version: Mar 2020.
2. Zhou, Y., Y. Lu, Y. Ni, D. Wu, X. He, J. Ong*, J. Tucker, **S. Sylvia**, F. Jing, X. Li, S. Huang, G. Shen, C. Xu, Y. Xiong, Y. Sha, M. Cheng, J. Xu, W. Dai, L. Huang, F. Zou, C. Wang, B. Yang, W. Mei, and W. Tang. "Monetary Incentives and Peer Referral in Promoting Digital Network-Based Secondary Distribution of HIV Self-Testing among Men Who Have Sex with Men in China: A Three-arm Randomized Controlled Trial," current version: Feb 2021.
3. Yunwei, C., **S. Sylvia**, W. Paiou, and Y. Hongmei. "Explaining the Evolving Demand for Healthcare in Rural China 2011-2018: A Non-linear Decomposition Approach," current version: Dec 2020.
4. **Sylvia, S.**, X. Ma, Y. Shi, and S. Rozelle. "Cost-Effectiveness of Strategies to Improve Eyeglass Access among School Children: Evidence from a Randomized Experiment," Revise & Resubmit, *Journal of Health Economics*, current version: Apr 2020.
5. Loyalka, P., M. Manni, Y. Qu, and **S. Sylvia**. "Absolute versus Comparative Advantage: Consequences for Gender Gaps in STEM and College Access," Revise & Resubmit, *Economic Development and Cultural Change*, current version: Jan 2019.
6. Wang, L., C. Song, X. Yue, **S. Sylvia**, and S. Rozelle. "Willingness-to-Pay for Early Childhood Development: A field Experiment in Western China," Under Review, current version: Aug 2020.
7. Chang, W.*, **S. Sylvia**, H. Thirumurthy, and K. Tumlinson. "Abortion laws and life choices of adolescent girls and young women in sub-Saharan Africa: A cross-country analysis," Under Review, current version: May 2020.

8. **Sylvia, S.**, H. Yi, H. Xue, and G. Liu. "Public Service Quality under Civil Service versus Fixed-term Employment: Evidence from Physician Supply of Primary Care," Under Review, current version: Apr 2020.
9. Jiang, Q., X. She, S. Dill, **S. Sylvia**, M. Singh, and S. Rozelle. "Mental Health among Children and Adolescents in Rural China: A Large-scale Epidemiological Study," Under Review, current version: Apr 2020.
10. Wang, L.*, Y. Qian*, D. Yang, **S. Sylvia**, A. Cody, and S. Rozelle. "Gender differences in the short and medium-run impacts of an early childhood intervention to improve parenting in rural China," Under Review, current version: Oct 2019.

PEER-REVIEWED PRESENTATIONS & ABSTRACTS

* Indicates presentation given by Sean Sylvia.

1. 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.
2. 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.
3. 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.
4. 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.
5. 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.
6. 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.
7. 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.
8. 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.
9. 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.
10. 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.
11. 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.
12. 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.
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," Chinese Economists Society Annual Meeting, Athens Apr 2018.
14. 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.
15. 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.
16. 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.

17. 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.
18. 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.
19. 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.
20. 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.
21. 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.
22. 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.
23. 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.
24. 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.
25. 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.
26. 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)
27. 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.
28. 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.
29. 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.
30. 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.
31. 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.
32. Sylvia S*, "High-powered Incentives for Anemia Reduction in Rural China," Oral Presentation at the Chinese Economist Society (CES) Annual Conference, Chengdu, Jun 2013.
33. 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.
34. 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.
35. Miller G, Luo R, Zhang L, Sylvia S*, Shi Y, Foo P, Zhao Q, Martorell R, Medina A, Rozelle
36. 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. "Direct-to-Consumer Telemedicine Platforms and the Market for Medical Advice in China," Harvard China Health Partnership Dec 2020.
2. "The Quality of Primary Care in Rural China: Evidence from Mystery Patients," Department of Global Health and Population, Harvard University Feb 2020.
3. "Evaluating Primary Care Quality with Mystery Patients," FHI 360, Durham, NC Feb 2020.
4. "The Quality of Primary Care in Rural China: Evidence from Mystery Patients," LICOS, KU Leuven, Jul 2019.
5. "Primary Care Quality and Health Care Reform," Keynote, Sino-UK Health Forum, University of Nottingham, Ningbo May 2019.
6. "Early Childhood Development in Rural China: Evidence from the Qinling Cohort Study," Carolina Asia Center, China Speaker Series, Mar 2019.
7. "Early Childhood Development in Rural China: Evidence from the Qinling Cohort Study," Carolina Population Center, Jan 2019.
8. "The Quality of Primary Care in Rural China: Evidence from Mystery Patients," Sichuan University School of Public Health, Jul 2018.
9. "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.
10. "The Quality of Primary Care in Rural China: Evidence from Mystery Patients," Sun Yatsen Global Health Institute, Nov 2017.
11. "The Fundamental Role of Primary Care Quality in Achieving a Healthy China," Presentation at the Beijing Forum, Beijing, Oct 2017.
12. "From Quantity to Quality: Delivering a Home-based Parting Intervention through China's Family Planning Cadres," Triangle Health Economics Workshop, Oct 2017.
13. "The Quality of Primary Care in Rural China: Evidence from Mystery Patients," Peking University China National Health Development Research Center (CHNDRC), Jul 2017.
14. "The Quality of Primary Care in Rural China: Evidence from Mystery Patients," Shandong University School of Public Health, Jun 2017.
15. "The Quality of Primary Care in Rural China: Evidence from Mystery Patients," Global Health Research Center, Duke Kunshan University, Oct 2016.
16. "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.
17. "The Quality of Primary Care in Rural China: Evidence from Mystery Patients," China Center for Health Economic Research (CCHER), Peking University, Aug 2016.
18. "Early Childhood Development in Rural China: Status and Interventions," Rural Early Care and Education (ECE) Forum, Peking University-Stanford Center, May 2016.
19. "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.
20. "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.
21. "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.
22. "Pay by Design: Teacher Performance Pay Design and the Distribution of Student Achievement," Central University of Economics and Business, Beijing Oct 2015.
23. "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.
24. "Pay by Design: Teacher Performance Pay Design and the Distribution of Student Achievement," Tsinghua University School of Economics and Management, Beijing May 2015.
25. "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.

26. "Managerial Incentives in Public Service Delivery: Evidence from School-based Nutrition Programs in Rural China," Chinese Center for Agricultural Policy, Beijing Oct 2014.
27. "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.
28. "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.
29. "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

- Health Economics (Masters)
 - 45 students Fall 2021
 - 46 students Fall 2020
 - 57 students Fall 2019
 - 49 students Fall 2018

Renmin University of China

- Development Economics (Undergraduate)
 - 60 students Summer 2017
 - 19 students Spring 2016
- Public Economics (MA/PhD)
 - 15 students Spring 2017
 - 10 students Spring 2016
- Development Economics with Applications to China (MA/PhD)
 - 35 students Fall 2016
 - 32 students Fall 2015
- Poverty and Inequality (Undergraduate)
 - 50 students Summer 2016
- Data Management using Stata (Undergraduate/MA/PhD)
 - 49 students Summer 2016

Shaanxi Normal University

- Econometrics for Impact Evaluation (MA/PhD)
 - 60 Students (estimated) Fall 2016
 - 65 Students (estimated) Fall 2015
 - 50 Students (estimated) Fall 2014

Student Mentoring & Advising

- Doctoral Dissertation Committee Chair
 - 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
 - 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
 - Nick Schaad (DrPH); In-progress
- Doctoral Dissertation Committee Member
 - Dorien Emmers, Economics, KU Leuven; "The Experimental Economics of Parenting: Evidence from Rural China"; Graduated 2021
 - Nele Warrinnier, Economics, KU Leuven; "Human Capital and Economic Growth: The Role of Investment in Early Skill Formation"; Graduated 2019

- Olawale Durosinmi-Etti (DrPH), Health Policy and Management; "Funding for HIV/AIDS Treatment Services in Nigeria: How can Sustainability be Improved?" Graduated 2020
- Masters Paper Reader
 - Yunwei Chen, MSPH (First); Graduated 2019
 - Katie Jackson, MPH (First); Graduated 2019
 - Dennis Xuan, MSPH (First); Graduated 2018
- Undergraduate Honors Thesis Reader
 - Camille Mittendorf, BSPH (Second); Graduated 2020
 - Wilson Guo, BSPH (First); Graduated 2019
 - Yuan Quan, BSPH (First); Graduated 2018
- Academic Advisor
 - PhD: Mukesh Adhikari, Zhang Zhang, Prajwol Nepal, Yunwei Chen, Karishma D'Souza, Wei Chang, J. Carlos Caro
 - 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)
 - BSPH: Andrew Se, Anna Clarke Harrison, Camille Mittendorf, Andrew Heise
- Other Mentoring Activities
 - 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 (Tumlinson) NIH NICHD Peer Mentors to Address Provider Bias: A Strategy to Increase Contraceptive Use Study to evaluate the feasibility and impact of a peer mentoring intervention on contraceptive use in Western Kenya. Role: Investigator	04/01/21- 03/31/22
R01AI158826 (Tucker) NIH/NIAID Pay-it-forward gonorrhea testing among men who have sex with men: The PIONEER pragmatic randomized controlled trial Role: Co-Investigator	03/2021-02/2026
No Grant Number (Mohanani/Vera Hernández/Sylvia) Bass Connections Duke Global Health Institute, Bass Connections Program Trust and Violence in Healthcare: A Global Investigation Role: Co-PI	12/2020-11/2021
No Grant Number (Sylvia) UNC Idea Grant The Impact of Direct-to-consumer Telemedicine Expansion on Access to Quality Primary care in India Role: Principal Investigator	07/2020-12/2021
R01HD030880 (Gordon-Larsen/Popkin) NIH/NICHD Monitoring Social Change: Health and Human Capital from Childhood to Adulthood Role: Co-Investigator	06/2020-05/2025
R34MH121251 (Sylvia/Smith) NIH/NIMH Standardized Patients to Measure and Address Intersectional Stigma: An HIV Prevention Engagement Strategy Role: MPI	09/2019-06/2022
COMPLETED No Grant Number (Sylvia/Domino) Hayek Fund for Scholars	06/2020-07/2021

The Institute for Humane Studies, George Mason University
 Developing market simulation games for online economics instruction
 Role: Principal Investigator

R21DA017286 (Domino) 08/2018-07/2020
 NIH/NIDA
 Nudges and incentives to enhance the opioid treatment workforce
 Role: Co-Investigator

No Grant Number (Sylvia) 01/2019-12/2019
 IBM Junior Faculty Development Award
 The Behavioral Economics of Antibiotic Prescribing Practices in Rural China
 Role: Principal Investigator

No Grant Number (Zhou) 01/2017-12/2019
 China Medical Board
 Mapping of, and Strategies to Improve, Access to Public Health Services Among Migrants in Urban China
 Role: Co-Investigator

No Grant Number (Yi/Sylvia) 01/2017-12/2018
 UCB Foundation (Belgium)
 Impact Evaluation of the China Red Cross Village Doctor Training Program in Guangxi Province
 Role: Co-Principal Investigator

No Grant Number (Zhou) 01/2016-12/2018
 China Medical Board
 Impact Evaluation of Clinician Training on the Quality of Primary and Secondary Healthcare Services within Health Alliances in Western China
 Role: Co-Investigator

No Grant Number (Shi) 03/2016-03/2017
 YiFang Foundation/LianYi Foundation
 Evaluating the Impact of School-based Mobile Health Screening in Yushu Tibetan Autonomous Prefecture, Qinghai
 Role: Co-Investigator

No Grant Number (Sylvia) 03/2014-03/2015
 Renmin University of China
 Using Standardized Patients to Measure and Improve the Quality of Health Care in Rural China
 Role: Principal Investigator

No Grant Number (Sylvia) 03/2014-03/2015
 Renmin University of China
 Food Safety Salience and Nutrition Role: Principal Investigator

No Grant Number (Sylvia/Loyalka) 03/2014-03/2015
 Xu Foundation/Ford Foundation Designs for Teacher Incentives
 Role: Co-Principal 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

Professional Service

- Reviewing
 - Journal of Health Economics
 - Journal of Public Economics
 - Health Economics
 - Health Economics Review
 - Journal of Human Resources

- Journal of Development Economics
- 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
- Other Professional Activities
 - iHEA Scientific Committee Review Panel (2021 Congress)

Department, School, University Service

- BSPH Admissions Committee (2018–2019)
- Master’s Advisory Committee (2019–)
- Carolina Asia Center Advisory Committee (2018–)
- Foreign Language and Area Studies Fellowship (FLAS) Selection Committee (2019, 2020)

LANGUAGES

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