
Brian E. Whitacre
Professor
Oklahoma State University

Department of Agricultural Economics
504 Ag Hall
Stillwater, OK 74078

Phone: (405) 744-9825
Fax: (405) 744-9835
brian.whitacre@okstate.edu

EDUCATION

Ph.D. Economics, December 2005
Virginia Polytechnic Institute and State University (Virginia Tech), Blacksburg, VA

M.S. Agricultural and Applied Economics, December 2003
Virginia Tech, Blacksburg, VA

B.S. Mathematics, 2nd Major in Economics, May 1998
University of Mary Washington, Fredericksburg, VA

EXPERIENCE

6/06 - 6/11 - 6/16 - Present	Assistant / Associate / Full Professor, Oklahoma State University Department of Agricultural Economics
1/06 - 5/06	Visiting Assistant Professor, Virginia Tech Department of Agricultural and Applied Economics
9/01 - 12/05	Graduate Research Assistant, Virginia Tech Department of Agricultural and Applied Economics
06/98 - 8/01	Mathematician, Naval Surface Warfare Center, Dahlgren, VA

RESEARCH / EXTENSION INTERESTS

- Telecommunications and technology policies
- Economic development
- Rural health
- Development policy evaluation
- Broadband access and effective use

CURRENT APPOINTMENT

Extension: 70%
Research: 20%
Teaching: 10%

- AGECE 4723, Rural Economic Development (undergraduate)
- AGECE 6222, Spatial Econometrics (Ph.D. level; 2-credit class)

REFEREED JOURNAL PUBLICATIONS (n = 53)

53. Bento Lobo, Rafayet Alam, and **Brian Whitacre**. Forthcoming. "Broadband Speed and Unemployment Rates: Data and Measurement Issues." *Telecommunications Policy*.
52. Steven Deller and **Brian Whitacre** (senior authorship shared). Forthcoming. "Broadband's Relationship to Rural Housing Values." *Papers in Regional Science*.
51. **Brian Whitacre**, Devon Meadowcroft*, and Roberto Gallardo. Forthcoming. "Firm and Regional Economic Outcomes Associated with a New, Broad Measure of Business Innovation." *Entrepreneurship & Regional Development*.
50. Sharon Strover, **Brian Whitacre**, Colin Rhinesmith, and Alexis Schrubbe. Forthcoming. "The Digital Inclusion Role of Rural Libraries: Social Inequities through Space and Place." *Media Culture and Society*.
49. Jacob Manlove* and **Brian Whitacre**. Forthcoming. "An Evaluation of the Connected Nation Broadband Adoption Program." *Telecommunications Policy*. [Link](#)
48. **Brian Whitacre**. 2019. "Building a Rural Library Hotspot Lending Program: Results From a 1-Year Pilot." *Journal of Extension* [On-line], 57(2) Article 2FEA2. [Link](#)
47. Jacob Manlove* and **Brian Whitacre**. 2019. "Understanding the Trend to Mobile-Only Internet Connections: A Decomposition Analysis." *Telecommunications Policy* 43(1): 76-87. [Link](#)
46. Clinton Neill*, Rodney Holcomb, Kellie Raper, and **Brian Whitacre**. 2019. "Effects of Spatial Density on Veterinarian Income: Where Are All of the Veterinarians?" *Applied Economics* 51(14): 1532-1540. [Link](#)
45. **Brian Whitacre**, Rafayet Alam, and Bento Lobo. 2018. "Econometric Error Nullifies Finding of the Impact of Broadband Speed on County-level Employment." *Information Economics and Policy* 44: 58-60. [Link](#)
44. Roberto Gallardo and **Brian Whitacre**. 2018. "21st Century Economic Development: Telework and its Impact on Local Income." *Regional Science, Policy, and Practice* 10(2):103-123. [Link](#)
43. Hyun Ji Lee* and **Brian Whitacre**. 2017. "Estimating Willingness to Pay for Broadband Attributes among Low-Income Consumers: Results from Two FCC Lifeline Pilot Projects." *Telecommunications Policy* 41(9): 769-780. [Link](#)
42. **Brian Whitacre**. 2017. "Fixed Broadband or Mobile: What Makes Us More Civically Engaged?" *Telematics and Informatics* 34(5): 755-766. [Link](#)
41. **Brian Whitacre**. 2017. "The Influence of the Degree of Rurality on EMR Adoption, by Physician Specialty." *Health Services Research* 52(2): 616-633. [Link](#)
40. **Brian Whitacre**, Denna Wheeler, and Chad Landgraf. 2017. "What Can the National Broadband Map Tell Us About the Healthcare Connectivity Gap?" *The Journal of Rural Health* 33(3): 284-289. [Link](#)
39. **Brian Whitacre** and Jacob Manlove*. 2016. "Broadband and Civic Engagement in Rural Areas: What Matters?" *Community Development* 47(5): 700-717. [Link](#)

* Denotes current or former graduate student

38. Tyler Mark, Terry Griffin, and **Brian Whitacre**. 2016. “The Role of Wireless Broadband Connectivity for ‘Big Data’ and Agriculture in the U.S. and Australia.” *International Food and Agribusiness Management Review* 19(A): 43-56. [Link](#)
37. Kelsey Conley* and **Brian Whitacre** (senior authorship shared). 2016. “Does Broadband Matter for Rural Entrepreneurs or ‘Creative Class’ Employees?” *Review of Regional Studies* 46(2): 171-190. [Link](#)
36. **Brian Whitacre** and Colin Rhinesmith. 2016. “Broadband Un-adopters.” *Telecommunications Policy* 40(1): 1-13. [Link](#)
35. **Brian Whitacre**, David Shideler, and Randi Williams*. 2016. “Do Incentive Programs Cause Growth? The Case of the Oklahoma Quality Jobs Program and Community-level Economic Growth.” *Economic Development Quarterly* 30(1): 62-74. [Link](#)
34. Tayler Witte*, Eric DeVuyst, **Brian Whitacre**, and Rodney Jones. 2015. “Modeling the Impact of Distance between Offices and Borrowers on Agricultural Loan Volume.” *Agricultural Finance Review* 75(4): 484-498. [Link](#)
33. **Brian Whitacre**, Sharon Strover, and Roberto Gallardo. 2015. “How Much Does Broadband Infrastructure Matter? Decomposing the Rural – Urban Adoption Gap with the Help of the National Broadband Map.” *Government Information Quarterly* 32(3): 261-269. [Link](#)
32. **Brian Whitacre** and Colin Rhinesmith. 2015. “Public Libraries and Residential Broadband Adoption: Do More Computers Lead to Higher Rates?” *Government Information Quarterly* 32(2): 164-171. [Link](#)
31. **Brian Whitacre**. 2015. “Rural Electronic Medical Record Adoption Rates Overtake Those in Urban Areas.” *Journal of the American Medical Informatics Association* 22(2): 399-408. [Link](#)
30. **Brian Whitacre** and Randi Williams*. 2015. “Electronic Medical Record Adoption in Oklahoma Practices: Rural – Urban Differences and the Role of Broadband Availability.” *The Journal of Rural Health* 31(1): 47-57. [Link](#)
29. Ashley Poston* and **Brian Whitacre** (senior authorship shared). 2014. “How Specialized is ‘Too’ Specialized? Outmigration and Industry Diversification in Nonmetropolitan Counties across America.” *The Journal of Economics* 40(2): 37-63. [Link](#)
28. **Brian Whitacre**, Roberto Gallardo, and Sharon Strover. 2014a. “Broadband’s Contribution to Economic Growth in Rural Areas: Moving towards a Causal Relationship.” *Telecommunications Policy* 38(11): 1011-1023. [Link](#)
27. **Brian Whitacre**, Roberto Gallardo, and Sharon Strover. 2014b. “Does Rural Broadband Impact Jobs and Income? Evidence from Spatial and First-Differenced Regressions.” *The Annals of Regional Science* 53(3): 649-670. [Link](#)
26. **Brian Whitacre**, Terry Griffin, and Tyler Mark. 2014. “How Connected are Our Farms?” *Choices* 29(3). [Link](#)
25. Ivica Janeski* and **Brian Whitacre**. 2014. “Long-term Economic Impacts of USDA Water and Sewer Investments in Oklahoma.” *Journal of Agricultural and Applied Economics* 46(1): 21-39. [Link](#)

* Denotes current or former graduate student

24. **Brian Whitacre** and Lara Brooks. 2014. "Do Broadband Adoption Rates Impact a Community's Health?" *Behaviour & Information Technology* 33(7): 767-779. [Link](#)
23. Lara Brooks, **Brian Whitacre**, David Shideler, Mike Woods, and Glenn Muske. 2012. "Small and Home-based Businesses: Measures of Success and the Contribution of Local Development Services." *Journal of Extension* [On-line], 50(1) Article 1FEA10. [Link](#)
22. **Brian Whitacre**. 2011. "Estimating the Economic Impact of Telemedicine in a Rural Community." *Agricultural and Resource Economics Review* 40(2): 172-183. [Link](#)
21. **Brian Whitacre**. 2011. "Do Higher Broadband Adoption Rates Mean Lower Tax Collections from Local Retail Sales? Implications of E-commerce in Rural Areas of the U.S." *Regional Science Policy and Practice* 3(2): 71-85. [Link](#)
20. **Brian Whitacre**, Jeff Hackler, Vicky Pace, Matt Janey, Chad Landgraf, and William Pettit. 2011. "An Evaluation of Osteopathic School Programs Designed to Promote Rural Location by Graduates." *International Journal of Osteopathic Medicine* 14: 17-23. [Link](#)
19. Lara Brooks and **Brian Whitacre** (senior authorship shared). 2011. "Critical Access Hospitals and Retail Activity: An Empirical Analysis in Oklahoma." *The Journal of Rural Health* 27(1): 29-38. [Link](#)
18. Phumsith Mahasuweerachai*, **Brian Whitacre**, and David Shideler. 2010. "Does Broadband Access Impact Migration in America? Examining Differences Between Rural and Urban Areas." *Review of Regional Studies* 40(1): 5-26. [Link](#)
17. **Brian Whitacre**. 2010. "Rural Broadband Availability and Adoption in Oklahoma." *Choices* 25(4). [Link](#)
16. Lori Dickes, R. David Lamie, and **Brian Whitacre**. 2010. "The Struggle for Broadband in Rural America." *Choices* 25(4). [Link](#)
15. Brian Briggeman and **Brian Whitacre** (senior authorship shared). 2010. "Farming and the Internet: Reasons for Non-use." *Agricultural and Resource Economics Review* 39(3): 571-584. [Link](#)
14. **Brian Whitacre**. 2010. "The Market and Infrastructure Perspective for Broadband: Reply." *The Annals of Regional Science* 45(1): 239-243. [Link](#)
13. **Brian Whitacre** and Bradford Mills. 2010. "A Need for Speed? Rural Internet Connectivity and the No access / Dial-up / High-speed Decision." *Applied Economics* 42(15): 1889-1905. [Link](#)
12. **Brian Whitacre**. 2010. "The Diffusion of Internet Technologies to Rural Communities: A Portrait of Broadband Supply and Demand." *American Behavioral Scientist* 53 (9): 1283-1303. [Link](#)
11. Shida Henneberry, **Brian Whitacre**, and Haerani Agustini. 2009. "An Evaluation of the Economic Impacts of Oklahoma Farmer's Markets." *Journal of Food Distribution Research* 40 (3): 64-78. [Link](#)
10. Dustin Colegrove and **Brian Whitacre**. 2009. "Interest in Rural Medicine among Osteopathic Residents and Medical Students." *Rural and Remote Health* [On-line], 9: 1192. [Link](#)
9. **Brian Whitacre**, Pam Hartman, Sarah Boggs, and Val Schott. 2009. "A Community Perspective on Quantifying the Economic Impact of Teleradiology and Telepsychiatry." *The Journal of Rural Health* 25(2): 194-197. [Link](#)

8. **Brian Whitacre** and Phumsith Mahasuweerachai*. 2008. "'Small' Broadband Providers and Federal Assistance Programs: Solving the Digital Divide?" *The Journal of Regional Analysis and Policy* 38(3): 254-268. [Link](#)
7. **Brian Whitacre**. 2008. "Factors Influencing the Temporal Diffusion of Broadband Adoption: Evidence from Oklahoma." *The Annals of Regional Science*. 42(3): 661-679. [Link](#)
6. **Brian Whitacre**. 2008. "Extension's Role in Bridging the Broadband Divide: Focus on Supply or Demand?" *Journal of Extension* [On-line], 46(3) Article 3RIB2. [Link](#)
5. **Brian Whitacre** and Chad Landgraf. 2007. "Telemedicine and Distance Learning in Oklahoma." *Academic Exchange Quarterly*. 11(3): 140-145. [Link](#)
4. **Brian Whitacre** and Bradford Mills. 2007. "Infrastructure and the Rural – Urban Divide in High-Speed Residential Internet Access." *International Regional Science Review* 30(3): 249-273. [Link](#)
3. Bradford Mills, **Brian Whitacre**, and Christiana Hilmer. 2004. "Family Head Education and Working Poverty in the Rural South." *Southern Business and Economic Journal* 27(1&2): 5-24. [Link](#)
2. **Brian Whitacre** and Bradford Mills. 2003. "Bridging the Metropolitan – Non-Metropolitan Digital Divide in Home Internet Use." *Choices* 18(2): 21-24. [Link](#)
1. Bradford Mills and **Brian Whitacre**. 2003. "Understanding the Non-Metropolitan – Metropolitan Digital Divide." *Growth and Change* 34(2): 219-244. [Link](#)

PAPERS CURRENTLY UNDER SUBMISSION (n = 4)

4. Devon Meadowcroft* and Brian Whitacre. "Do Prescription Drug Monitoring Programs Encourage Illicit Opioid Abuse?" Initial submission to *Drug and Alcohol Dependence*, May 2019.
3. Devon Meadowcroft* and Brian Whitacre. "Do Rural Opioid Treatment Program (OTP) Facilities Reduce Deaths?" Initial submission to the *Journal of Substance Abuse Treatment*, March 2019.
2. Kwideok Han,* Brian Whitacre, and Inbae Ji. "Estimating the Impacts of EDA Public Works Program Investments on County Employment." Initial submission to *Economic Development Quarterly*, February 2019.
1. Brian Whitacre, Dylan Johnston*, David Shideler, and Notie Lansford. "The Influence of Oil and Gas on Local Retail Sales and Use Tax Receipts: Evidence from Oklahoma Panel Data." Initial submission to *Annals of Regional Science*, November 2018.

WORKING PAPERS (n = 8)

8. Steven Deller, Brian Whitacre, and Tessa Conroy. "Broadband Speed and Business Startup Rates."
7. Brian Whitacre. "Rural Broadband 2019: Access, Adoption, and Policy."
6. Roberto Gallardo, Brian Whitacre, Indraneel Kumar, and Sreedhar Upendram. "Broadband and County-level Productivity: What Matters Most?"

* Denotes current or former graduate student

5. Jacob Manlove* and Brian Whitacre. “Assessing the Need for a Measure of Broadband Adoption Inequality.”
4. Kelsey Conley* and Brian Whitacre. “Home Is Where the Internet Is? High Speed Internet’s Impact on Rural Housing Values.”
3. Kangil Lee* and Brian Whitacre. “The Impact of Unconventional Drilling on House Prices in Central Oklahoma.”
2. Kwideok Han* and Brian Whitacre. “Student Performance and School Size: A Spatial Quantile Regression Approach to Evaluating Oklahoma High-schools.”
1. Kelsey Conley* and Brian Whitacre. “Evaluation of the Community Development Block Grant for Rural Oklahoma Communities.”

OUTREACH ORIENTED REPORTS (n = 152)

Brian Whitacre and Keima Kamara. “An Economic Analysis of the Temple Construction and Demolition Landfill.” Oklahoma Cooperative Extension Service Report AE-XXXX. July 2019. YY pp.

Sharon Stover, Brian Whitacre, Colin Rhinesmith, Alexis Schrubbe and German Alvarez. “Community Attitudes Towards Rural Libraries.” IMLS grant report. January 2019. 6 pp.

Ryechan Lee[§], Brian Whitacre, and David Shideler. “What Drives Small-town Growth in Oklahoma?” Oklahoma State University Extension Fact Sheet AGEC-1080. November 2018. 6 pp. [Link](#)

Roberto Gallardo, Rachel Welborn, and Brian Whitacre. “Comments on Broadband e-Connectivity Pilot Program.” On Behalf of Regional Rural Development Centers and National Digital Education Extension Team. Response to RUS Request for Comment. September 2018. [Link](#)

Ryan Loy[§], Brian Whitacre, and David Shideler. “Pull Factors: A Measure of Retail Sales Success. Estimates for 77 Oklahoma Cities (2018).” Oklahoma State University Extension Fact Sheet AGEC-1079. July 2018. 8 pp. [Link](#)

Brian Whitacre. “Oklahoma Rural Library Hotspot Program – 1-Year Patron Survey Results.” Oklahoma State University Department of Agricultural Economics Report AE-18002. May 2018. 21pp. [Link](#)

Roberto Gallardo, Brian Whitacre, and Alison Grant. “Broadband’s Impact: A Brief Literature Review.” Purdue University Center for Regional Development Publication 001. December 2017. 18 pp. [Link](#).

Lara Brooks, Brian Whitacre, and Chad Landgraf. “The Economic Impact of Rural Residency Programs on the Oklahoma Economy.” Report for the Oklahoma State Office of Rural Health. October 2017. 19 pp.

Sharon Stover, Brian Whitacre, Colin Rhinesmith, and Alexis Schrubbe. “At the Edges of the National Digital Platform: Rural Library Hotspot Lending Programs.” D-Lib Magazine 23: 5-6 (May 2017). [Link](#)

Brian Whitacre. “Internet Options for Low-Income Households in Oklahoma.” Oklahoma State University Extension Fact Sheet AGEC-1065. December 2016. 6 pp. [Link](#)

Roberto Gallardo, Brian Whitacre, Connie Hancock, and Monica Babine. “Comments on National Broadband Research Agenda: Cooperative Extension Perspective.” Response to NTIA Request for Comment. October 2016. 3 pp.

Brian Whitacre and Jeremiah Taylor[§]. “Oklahoma High School Achievement – Do Small Schools Perform Better or Worse?” Oklahoma State University Extension Current Report AGEC-1061. June 2016. 4 pp. [Link](#)

Lara Brooks and Brian Whitacre. “The Economic Impact of Rural Hospitals on the Oklahoma Economy.” Report for the Oklahoma State Office of Rural Health. May 2016. 13 pp.

Eric DeVuyst, Brian Whitacre, and Meagan Rhodes. “Oklahoma ARC-CO Payments for 2014/15 Crop Year.” Department of Agricultural Economics Agricultural Policy News. November 2015. 5 pages.

Brian Whitacre. “Oklahoma’s Health Workforce Capacity: The Role of Telehealth / Telemedicine.” Report prepared as part of Oklahoma State Innovation Model (OSIM) Health Workforce Group. September 2015. 14 pp.

Brian Whitacre and Colin Rhinesmith. “Comments on Lifeline and Link Up Reform and Modernization: Strategies for Un-adopters.” Response to FCC Request for Comment. August 2015. 2 pp.

Brian Whitacre. “Broadband Infrastructure and Adoption in Oklahoma – 2015 Edition.” Oklahoma State University Extension Current Report CR-1044. July 2015. 8 pp. [Link](#)

Brian Whitacre. “Broadband and Civic Engagement in Rural Areas: What Matters?” Final Report prepared for Mississippi State University Intelligent Community Institute Grant. June 2015. 48 pp.

Roberto Gallardo, Monica Babine, Brian Whitacre, Sharon Stover, Eric Ogle, Rachel Welborn, Bill Shuffstall, and Don Albrecht. “Extension Response to White House Broadband Opportunity Council Request for Comments.” June 2015. 6 pp.

Brian Whitacre and Kristy Spalding. “Job Search Factors for SWOSU Nursing Graduates – Survey Results, Spring 2015.” Prepared for Western OK I-40 Corridor SET Region. Oklahoma State University Department of Agricultural Economics Report AE-15004. May 2015. 9 pp.

Brian Whitacre, Roberto Gallardo, and Sharon Stover. “Broadband’s Contribution to Economic Health in Rural Areas.” Community and Regional Development Institute (Cornell University) Policy Brief Series. Issue Number 64. February 2015. 2 pp. [Link](#)

Brian Whitacre, Lara Brooks, Sarah Boggs, Corie Kaiser, and Val Schott. “The Economic Impact of the Health Sector.” Reports generated for **75** rural Oklahoma communities, July 2006 – December 2014. Accompanied by survey results and county data package as part of the Community Health Needs Assessment.

Jeremiah Taylor[§] and Brian Whitacre. “Oklahoma’s Recovery from the Great Recession: Trends in Rural vs. Urban Areas.” Oklahoma State University Extension Fact Sheet AGEC-1051. September 2014. 4 pp. [Link](#)

Lara Brooks, Grant Irby*, Brian Whitacre, and Corie Kaiser. “How Are Rural Residents Informed about Local Community Events?” Oklahoma State University Extension Fact Sheet AGEC-1052. September 2014. 4 pp. [Link](#)

[§] Undergraduate research assistant

Jorge Atiles, Sissy Osteen, Gina Peek, Dave Shideler, and Brian Whitacre. “Exploring the Potential Effectiveness of a State Low Income Housing Tax Credit in Oklahoma.” Oklahoma Cooperative Extension Service Report. March 2014. 12 pp.

Brian Whitacre, Lara Brooks, Jeff Hackler, Denna Wheeler, and Chad Landgraf. “What is the Health Insurance Marketplace?” Oklahoma State University Extension Current Report AGEC-1050. December 2013. 4 pp. [Link](#)

Brian Whitacre, Randi Williams*, and Lara Brooks. “Electronic Medical Record Adoption Across Oklahoma.” Oklahoma State University Extension Current Report CR-1047. September 2013. 4pp. [Link](#)

Brian Whitacre, Roberto Gallardo, and Sharon Strover. “Rural Broadband Availability and Adoption: Evidence, Policy Challenges, and Options.” Final report prepared for NARDeP Grant. March 2013. 91 pp.

Brian Whitacre, Lara Brooks, and Chad Landgraf. “The Economic Impact of the Oklahoma State University Medical Center and Residency Program on the State and Regional Economies.” Oklahoma State University Department of Agricultural Economics Report AE-13010. February 2013, 48 pp. [Link](#)

Brian Whitacre. “Broadband Infrastructure and Adoption in Oklahoma – 2012 Edition.” Oklahoma State University Extension Current Report CR-1044. June 2012. 4 pp.

Brian Whitacre and Lara Brooks. “Does More Broadband Mean Less Local Sales Tax Collections?” Oklahoma State University Extension Fact Sheet AGEC-1028. September 2011, 4 pp.

Brian Whitacre, Lara Brooks, Fred Eilrich, and Stan Ralstin. “An Analysis of the Demand for a Hemodialysis Facility in the Fairview, Oklahoma Medical Service Area.” Oklahoma State University Department of Agricultural Economics Report AE-11020. June 2011, 24 pp.

Brian Whitacre, Lara Brooks, and Gerald Doeksen. “An Analysis of the Demand for a Primary Care Physicians in the Fairview, Oklahoma Medical Service Area.” Oklahoma State University Department of Agricultural Economics Report AE-11019. June 2011, 11 pp.

Brian Whitacre, Lara Brooks, Fred Eilrich, and Gerald Doeksen. “An Analysis of the Demand for General Surgeons in the Sayre, Oklahoma Medical Service Area.” Oklahoma State University Department of Agricultural Economics Report AE-11016. May 2011, 17 pp.

Lara Brooks, Brian Whitacre, Gerald Doeksen, and Corie Kaiser. “The 2008 Economic Impact of Critical Access Hospitals on the State of Oklahoma’s Economy.” Oklahoma State University Department of Agricultural Economics Report AE-11010. April 2011, 27 pp.

Brian Whitacre, Lara Brooks, Jonathan Kolarik, and Corie Kaiser. “Electronic Health Records Incentive Program: The Payment Clock is Ticking! For Eligible Professionals.” Oklahoma State University Extension Current Report CR-1023. November 2010, 7 pp.

Brian Whitacre, Lara Brooks, Jonathan Kolarik, and Corie Kaiser. “Electronic Health Records Incentive Program: The Payment Clock is Ticking! For Hospitals.” Oklahoma State University Extension Current Report CR-1024. November 2010, 7 pp.

* Denotes current or former graduate student

Brian Whitacre, Lara Brooks, Corie Kaiser, and Val Schott. "An Analysis of the Demand for Primary Care Physicians in the Sallisaw, OK Medical Service Area." Oklahoma State University Department of Agricultural Economics Report AE-11018. October 2010, 11 pp.

Ben Colton, Tom Harris, and Brian Whitacre. "High-speed Telecommunications: Infrastructure Growth and Market Penetration throughout Nevada and the Nation." University of Nevada Cooperative Extension Fact Sheet 10-08, October 2010, 4 pp.

Brian Whitacre, Lara Brooks, Fred Eilrich, Michael Weber, and Val Schott. "An Analysis of the Demand for a Hemodialysis Facility in the Seiling, Oklahoma Medical Service Area." Oklahoma State University Department of Agricultural Economics Report AE-10032. September 2010, 13 pp.

Brian Whitacre, Lara Brooks, Jessica Riggan, Corie Kaiser, and Val Schott. "An Analysis of the Demand for an Assisted Living Facility in the Stroud, Oklahoma Medical Service Area." Oklahoma State University Department of Agricultural Economics Report AE-10028. August 2010, 22 pp.

Brian Whitacre, Lara Brooks, Aubie Kesee, Corie Kaiser, and Val Schott. "An Analysis of the Demand for Primary Care Physicians in the Wetumka, Oklahoma Medical Service Area." Oklahoma State University Department of Agricultural Economics Report AE-10010. May 2010, 11 pp.

Brian Whitacre, Lara Brooks, Richard Rexwinkle, Larry Klump, Corie Kaiser, and Val Schott. "The Economic Impact of the Fairfax, Hominy, and Newkirk Community Health Centers." Oklahoma State University Department of Agricultural Economics Report AE-10006. April 2010, 24 pp.

Brian Whitacre, Shannon Ferrell, and J.C. Hobbs. "E-commerce and Sales Tax: What You Collect Depends on Where You Ship." Oklahoma State University Extension Fact Sheet AGEC-1022, March 2010, 4pp.

Brian Whitacre, Lara Brooks, David Nowlin, Corie Kaiser, and Val Schott. "An Analysis of the Demand for Primary Care Physicians in the Hinton, Oklahoma Medical Service Area." Oklahoma State University Department of Agricultural Economics Report AE-10004. March 2010, 11 pp.

Brian Whitacre, Lara Brooks, Alan Parnell, and Val Schott. "An Analysis of the Demand for an Assisted Living Facility in the Wagoner, Oklahoma Medical Service Area." Oklahoma State University Department of Agricultural Economics Report AE-10002. March 2010, 21 pp.

Brian Whitacre and Fred Eilrich. "Flex Health Information Technology (HIT) Program Evaluation for Four Critical Access Hospitals in Oklahoma." Report prepared for the U.S. Department of Health and Human Services. February 2010, 15 pp.

Brian Whitacre, Art Stoecker, and Dee Ann Sanders. "Decision Support Model for Evaluating Alternative Water Supply Infrastructure Scenarios." Final Technical Report for Oklahoma Water Resources Research Institute. February 2010, 38 pp.

Fred Eilrich, Jonathan Sprague, Brian Whitacre, Gerald Doeksen, and Cheryl St. Clair. "The Economic Impact of a Rural General Surgeon." National Center for Rural Health Works Report. January 2010, 26 pp.

Lara Brooks, Fred Eilrich, and Brian Whitacre. "An Analysis of the Demand for a Hemodialysis Facility in the Ponca City, Oklahoma, Medical Service Area." Oklahoma State University Department of Agricultural Economics Report AE – 09132. December 2009, 24 pp.

Ilda Hershey and Brian Whitacre. "The Economic Feasibility of Various Recycling Systems to Serve the Residents of Perkins, Oklahoma." Oklahoma State University Department of Agricultural Economics Report AE-09120. October 2009, 13 pp.

Brian Whitacre, Lara Brooks, Leland McDaniel, Corie Kaiser, and Val Schott. "An Analysis of the Demand for Primary Care Physicians in the Carter County, Oklahoma Medical Service Area." Oklahoma State University Department of Agricultural Economics Report AE-09115. September 2009, 10 pp.

Brian Whitacre. "Estimating the Physician Shortage in Oklahoma by 2020." Report generated for the State Office of Rural Health. Oklahoma State University Department of Agricultural Economics Report AE-09112. August 2009, 2 pp.

Brian Whitacre. "FEMA Emergency Preparedness Report: Project Results from Comanche and Okfuskee Counties." Report generated as part of 5-state effort in Southern Region; part of Emergency Preparedness Demonstration Project. May 2009, 17 pp.

Lara Brooks and Brian Whitacre. "A Summary of the Impacts of Telemedicine on the Haskell County Hospital Medical Service Area." Report generated for Health Resources and Services Administration (HRSA) telemedicine grant to Haskell County Hospital. Oklahoma State University Department of Agricultural Economics Report AE-09022. April 2009, 18 pp.

Lara Brooks, Brian Whitacre, Stan Ralstin, and Val Schott. "An Analysis of the Demand for an Assisted Living Facility in the Beaver County, Oklahoma Medical Service Area." Oklahoma State University Department of Agricultural Economics Report AE-0908. April 2009, 17 pp.

Brian Whitacre, Lara Brooks, and Jason Bray. "Electronic Medical Records: What are they?" Oklahoma State University Extension Current Report CR-1013, March 2009, 4 pp.

Brian Whitacre and Lara Brooks. "Web 2.0: What is it and What can it do for my Business?" Oklahoma State University Extension Fact Sheet AGEC-1010, March 2009, 4 pp.

Fred Eilrich, Brian Whitacre, Lara Brooks, Jack Frye, Trinity Brown, and Val Schott. "An Analysis of the Demand for a Hemodialysis Facility in the Cleveland, OK Medical Service Area." Oklahoma State University Department of Agricultural Economics Report AE – 08118. October 2008, 20 pp.

Brian Whitacre. "Statistical Evaluation of OSU Medical School Preceptors." Completed as part of Health Resources and Services Administration (HRSA) evaluation grant. September 2008, 18 pp.

Brian Whitacre, Lara Brooks, Gerald Doeksen, Corie Kaiser, Stan Ralstin, and Val Schott. "An Analysis of the Demand for Primary Care Physicians in the Hugo, Oklahoma Medical Service Area." Oklahoma State University Department of Agricultural Economics Report AE – 08106. August 2008, 8 pp.

Brian Whitacre and Glenn Muske. "Website Basics for Small Businesses." Oklahoma State University Extension Fact Sheet AGEC-1008, April 2008, 4 pp.

Brian Whitacre, Pam Hartman, Sarah Boggs, and Val Schott. "Evaluating the Economic Impact of Telemedicine in a Rural Community." Oklahoma State University Extension Fact Sheet AGEC-1007, March 2008, 7 pp.

Brian Whitacre, Alan Parnell, Darla Heller, and Jack Frye. "The Economic Impact of a Proposed Industrial Park in the City of Coweta, Wagoner County, Oklahoma." Oklahoma State University Department of Agricultural Economics Report AE – 07136. November 2007, 18 pp.

Brian Whitacre, Pam Hartman, and Sarah Boggs. "Documenting the Economic Impact of Telemedicine Service in a Rural Hospital. *Proceedings of the 2007 Rural Health Southern Extension and Research Activities (SERA) 19 Global Learning, Local Action Conference*. Sept 10 -12, 2007 pp. 25-27.

Brian Whitacre. "Using Broadband and E-commerce to Enhance a Rural Retail Store." Oklahoma State University Extension Fact Sheet AGEC-1006, October 2007, 4 pp.

Brian Whitacre, Pam Hartman, and Sarah Boggs. "The Economic Impact of Telemedicine Capacity in a Rural Hospital." Study developed for the National Center for Rural Health Works. September 2007, 37 pp.

Brian Whitacre and Jack Frye. "Using Broadband to Advertise: Panama Tours from Oklahoma!" Oklahoma State University Extension Fact Sheet AGEC-1005, September 2007, 4 pp.

Brian Whitacre. "Using Broadband to Further a Career: Earning a Degree from Home." Oklahoma State University Extension Fact Sheet AGEC-1004, August 2007, 4 pp.

Brian Whitacre. "Rural Broadband Success Story: Plainsnet.net – Hometown Entrepreneurs find Wireless Solution to Connect Their Rural Community." Oklahoma State University Extension Fact Sheet AGEC-1003, June 2007, 4 pp.

Brian Whitacre. "Rural Broadband Success Story: Panhandle Telephone – Progressive Thinking in a Rural Area." Oklahoma State University Extension Fact Sheet AGEC-1001, April 2007, 4 pp.

Brian Whitacre. "Rural Broadband Success Story: Sallisaw – A Fiber Optic Network for the Ages." Oklahoma State University Extension Fact Sheet AGEC-1000, April 2007, 4 pp.

Brian Whitacre, Gerald Doeksen, Ann Peyton, Mike Brown, and Val Schott. "Health Professional Shortage Areas (HPSAs) and Physician Scarcity Areas (PSAs): Bonus Payments for Healthcare Professionals." Oklahoma State University Extension Fact Sheet AGEC-999, April 2007, 8 pp.

Brian Whitacre, Pam Hartman, Gerald Doeksen, Corie Kaiser, Stan Ralstin, and Val Schott. "An Analysis of the Demand for Primary Care Physicians in the Blanchard, Oklahoma Medical Service Area." Oklahoma State University Department of Agricultural Economics Report AE – 07018. March 2007, 10 pp.

Brian Whitacre. "High-speed Telecommunications Infrastructure in Oklahoma: Issues and What Communities Can Do." Oklahoma State University Extension Fact Sheet AGEC-934, February 2007, 5 pp.

Brian Whitacre and Gerald Doeksen. "The 2007 Farm Bill and the National Rural Health Association." Appendix to "Farm Bill Reauthorization: Implications for the Health of Rural Communities." NRHA Issue Paper, November 2006, pp. 5-7.

Bradford Mills, Brian Whitacre, and Christiana Hilmer. "Working More, but Staying Poor." Policy brief for the Food Assistance Needs of the South's Vulnerable Populations series (funded by SRDC). October 2005, Number 11, 8 pp.

Bradford Mills, Brian Whitacre, and Christiana Hilmer. "The Changing Face of the Working Poor." *Perspectives on Poverty, Policy, and Place*. Rural Poverty Research Institute. Fall 2004, pp. 12-13.

PAPERS PRESENTED AT PROFESSIONAL MEETINGS (n = 55)

Devon Meadowcroft* (presenter) and Brian Whitacre. "Do Prescription Drug Monitoring Programs Encourage Illicit Opioid Abuse?" Selected paper presented at the Southern Regional Science Association Annual Meeting, Washington, DC. April 4-6, 2019.

Steven Deller (presenter), Brian Whitacre, and Tessa Conroy. "Broadband Speed and Business Startup Rates." Selected paper presented at the Southern Regional Science Association Annual Meeting, Washington, DC. April 4-6, 2019.

Devon Meadowcroft* (presenter) and Brian Whitacre. "Do Rural Opioid Treatment Program (OTP) Facilities Reduce Deaths?" Selected paper presented at the North American Regional Science Association Conference, San Antonio, TX. Nov 7-10, 2018.

Kwideok Han* (presenter), Brian Whitacre, and Inbae Ji. "Estimating the Spatial Spillover Effects of EDA Public Works Program Investments on County Employment using SAS / ETS." Selected paper presented at the South Central SAS Users Group conference, Austin, TX. November 4-7, 2018.

Jacob Manlove* (presenter) and Brian Whitacre. "An Evaluation of the Connected Nation Broadband Adoption Program." Selected paper presented at the Telecommunications Policy Research Conference, Washington, DC. September 21-22, 2018. (*Best Graduate Student Paper Award Winner*).

Kangil Lee* (presenter) and Brian Whitacre. "Unconventional vs. Conventional Drilling: Impact on House Prices in Central Oklahoma." Selected paper presented at the World Congress of Environmental and Resource Economists Annual Meeting, Gothenburg, Sweden. June 25-29, 2018.

Kangil Lee* (presenter) and Brian Whitacre. "The Impact of Unconventional Drilling on House Prices in Central Oklahoma." Selected paper presented at the Southern Regional Science Association Annual Meeting, Philadelphia, PA. Mar 15-17, 2018.

Kangil Lee* (presenter) and Brian Whitacre. "Regional Employment Impacts from Recent Energy Development Activities in Arkansas, Kansas, and Oklahoma." Selected paper presented at the Southern Regional Science Association Annual Meeting, Philadelphia, PA. Mar 15-17, 2018.

Kwideok Han* (presenter) and Brian Whitacre. "Estimating Spatial Heterogeneity in Hay Yield Responses to Weather Variations in Oklahoma." Selected paper presented at the Southern Agricultural Economics Association Annual Meeting, Jacksonville, FL. Feb 4-6, 2018.

Kwideok Han* (presenter) and Brian Whitacre. "Does School Size Matter for Student Academic Achievement? A Two-stage Spatial Quantile Regression Approach." Selected paper presented at the Southern Agricultural Economics Association Annual Meeting, Jacksonville, FL. Feb 4-6, 2018.

Brian Whitacre (presenter), Devon Meadowcroft*, and Roberto Gallardo. "Determinants of Rural Business Innovation." Selected paper presented at the North American Regional Science Association Conference, Vancouver, CAN. November 9-11, 2017.

Jacob Manlove* (presenter) and Brian Whitacre. "Understanding the Trend to Mobile-Only for Internet Connections: A Decomposition Analysis." Selected paper presented at the Telecommunications Policy Research Conference, Arlington, VA. September 8-9, 2017. (*Best Graduate Student Paper Award Winner*).

Sharon Stover (presenter), Brian Whitacre, and Colin Rhinesmith. "Libraries, the National Digital Platform, and Inclusion." Selected paper presented at the Telecommunications Policy Research Conference, Arlington, VA. September 8-9, 2017.

Devon Meadowcroft* (presenter) and Brian Whitacre. "Economic Outcomes Associated with Business Innovation: A Rural Disadvantage or Opportunity?" Selected paper presented at the Western Agricultural Economics Association Annual Meeting, Lake Tahoe, NV. July 10-12, 2017.

Jacob Manlove* (presenter), Richelle Crotty, Alexis Schrubbe, Brian Whitacre, Sharon Stover, and Colin Rhinesmith. "Rural Library Hotspot Lending Programs." Presentation at the Partnership for Progress on the Digital Divide Conference, San Diego, CA. May 24-25. 2017.

Jacob Manlove* (presenter) and Brian Whitacre. "The Short-term Economic Impact of Rural Hospital Closures." Selected paper presented at the Southern Agricultural Economics Association Annual Meeting, Mobile, AL Feb 5- 8, 2017.

Brian Whitacre (presenter). "Propensity Score Matching for Social Scientists." OSU Stats / Methods Network Seminar Series. Dec 2, 2016.

Gina Peek, Jorge Atilas (presenters), Sissy Osteen, Dave Shideler, and Brian Whitacre. "Exploring the Effectiveness of a Low-income Housing Tax Credit in Oklahoma." Selected paper presented at the European Network for Housing Research, Belfast, Northern Ireland June 28-July 1, 2016.

Brian Whitacre (presenter) and Colin Rhinesmith. "Broadband Un-adopters." Selected paper presented at the Southern Regional Science Association Annual Meeting, Washington, DC Mar 31-Apr 2, 2016.

Hyun Ji Lee* (presenter) and Brian Whitacre. "Estimating Willingness-to-Pay for Broadband Attributes among Low-Income Consumers: Results from the FCC Lifeline Pilot Projects." Selected paper presented at the Southern Regional Science Association Annual Meeting, Washington DC Mar 31- Apr 2, 2016.

Dylan Johnston* (presenter) and Brian Whitacre. "The Influence of Oil and Gas on Local Retail Sales and Use Tax Receipts: Evidence from Oklahoma Panel Data." Selected paper presented at the Southern Agricultural Economics Association Annual Meeting, San Antonio, TX Feb 6- 9, 2016.

Kelsey Conley* (presenter) and Brian Whitacre. "Does Broadband Availability Matter for Rural Entrepreneurs or 'Creative Class' Employees?" Selected paper presented at the Southern Agricultural Economics Association Annual Meeting, Atlanta, GA Jan 31-Feb 3, 2015.

Taylor Witte*, Eric DeVuyst (presenter), Brian Whitacre, and Rodney Jones. "Determining the Impact of a New Farm Credit Branch in East Central Oklahoma." Selected paper presented at the Southern Agricultural Economics Association Annual Meeting, Atlanta, GA Jan 31-Feb 3, 2015.

Terry Griffin (presenter), Tyler Mark, and Brian Whitacre. "Assessing the Value of Broadband Connectivity for Big Data and Telematics: Technical Efficiency." Selected paper presented at the Southern Agricultural Economics Association Annual Meeting, Atlanta, GA Jan 31-Feb 3, 2015.

Gina Peek (presenter), Jorge Atilas, Sissy Osteen, Dave Shideler, and Brian Whitacre. "Exploring the effectiveness of a state level Low-Income Housing Tax Credit (LIHTC)." Selected paper presented at the Housing Education and Research Association Annual Conference. Kansas City, MO. Oct. 5-8, 2014.

Tyler Mark (presenter), Terry Griffin, and Brian Whitacre. "Value of Connectivity in Rural Areas: The Case of Precision Agriculture Data." Selected paper presented at the International Conference on Precision Agriculture, Sacramento, CA. July 20-23, 2014.

Randi Williams* (presenter) and Brian Whitacre. "The Influence of Broadband Availability on Physician Electronic Medical Record Adoption in Oklahoma." Selected paper presented at the Southern Regional Science Association meetings, San Antonio, TX. March 27-29, 2014.

Brian Whitacre (presenter). "Propensity score matching: A useful tool for causal analysis?" Oklahoma State University Departmental Seminar Series. November 15, 2013.

Brian Whitacre (presenter), Sharon Stover, and Roberto Gallardo. "Broadband's Contribution to Economic Health in Rural Areas: A Causal Analysis and an Assessment of the 'Connected Nation' Program." Selected paper presented at the Telecommunications Policy Research Conference, Arlington, VA. September 27-29, 2013.

Brian Whitacre (presenter), David Shideler, and Randi Williams. "Do Incentives Programs Cause Growth? The Case of the Oklahoma Quality Jobs Program and Community-level Economic Growth." Selected paper presented at the Agricultural and Applied Economics Annual meetings, Washington, DC. August 4 – 6, 2013.

Brian Whitacre (presenter), Roberto Gallardo, and Sharon Stover. "Broadband's Contribution to Economic Health in Rural Areas: Spatial and First-differenced Regressions." Selected paper presented at the Southern Regional Science Association meetings, Arlington, VA. April 4-6, 2013.

Ivica Janeski* (presenter) and Brian Whitacre. "Long-term Economic Impacts of USDA Water Infrastructure Investments in Oklahoma." Selected paper presented at the Southern Regional Science Association meetings, Charlotte, North Carolina. March 22-24, 2012.

Brian Whitacre (presenter) and Lara Brooks. "Do Broadband Adoption Rates Impact a Community's Health?" Selected paper presented at the Southern Regional Science Association meetings, Charlotte, North Carolina. March 22-24, 2012.

Ashley Jackson* (presenter) and Brian Whitacre. "How Specialized is 'too' Specialized? Outmigration and Industry Diversification in Nonmetropolitan Counties throughout America." Selected paper presented at the Southern Agricultural Economics Association Meetings, Birmingham, Alabama. February 6-7, 2012.

Brian Whitacre (presenter). "Broadband Availability and Adoption During the 2000s: A Case Study from Oklahoma." Selected paper presented at the Southern Regional Science Association Meetings, New Orleans, Louisiana. March 24-26, 2011.

Brian Whitacre (presenter). "Do Higher Broadband Adoption Rates Mean Lower Tax Collections from Local Retail Sales? Implications of E-Commerce in Rural Areas of the U.S." Selected paper presented at the Southern Regional Science Association Meetings, New Orleans, Louisiana. March 24-26, 2011.

Brian Whitacre (presenter). "Metro, Micro, and Non-core: A 3-year Portrait of Broadband Supply and Demand in Oklahoma." Selected paper presented at the Southern Agricultural Economics Association Meetings, Orlando, Florida. February 7-9, 2010.

Lara Brooks (presenter) and Brian Whitacre. "Critical Access Hospitals and Retail Sales: An Empirical Analysis." Selected paper presented at the Southern Agricultural Economics Association Meetings, Orlando, Florida. February 7-9, 2010.

Brian Whitacre (presenter), Art Stoecker, and DeeAnn Sanders. "Decision Support System for Evaluating Rural Water Supply Infrastructure Scenarios." Selected paper presented at the Southern Agricultural Economics Association Meetings, Orlando, Florida. February 7-9, 2010.

Phumsith Mahasuweerachai* (presenter), Brian Whitacre, and David Shideler. "Does Broadband Access Impact Population Growth in Rural America?" Selected paper presented at the Agricultural and Applied Economics Association Meetings, Milwaukee, Wisconsin. July 26-28, 2009.

Brian Whitacre (presenter). "Does Infrastructure Diffusion Solve the Rural / Urban Gap in Broadband Adoption Rates? A Case Study from Oklahoma." Selected paper presented at the Rural Telecommunications Congress Annual Conference, Jeffersonville, Vermont. October 6-8, 2008.

Brian Briggeman and Brian Whitacre (presenter). "Farming and the Internet: Reasons for Non-use." Paper presented at the Broadband in the Rural Economy Conference, Washington DC. September 29-30, 2008.

Brian Whitacre (presenter). "The Economic Impact of Rural Telemedicine." Paper presented at the Broadband in the Rural Economy Conference, Washington DC. September 29-30, 2008.

Brian Whitacre (presenter). "Factors Influencing the Temporal Diffusion of Broadband Adoption: Evidence from Oklahoma." Paper presented at the Southern Agricultural Economics Association Meetings, Dallas, Texas. February 3-5, 2008.

Shida Henneberry (presenter), Merritt Taylor, Joao Mutondo, Haerani Agustini, Brian Whitacre, and Warren Roberts. "The Economic Impacts of Direct Produce Marketing: A Case Study of Oklahoma's Farmers' Markets." Paper presented at the Southern Agricultural Economics Association Meetings, Dallas, Texas. February 3-5, 2008.

Lara Brooks* (presenter), Brian Whitacre, Mike Woods, and Glenn Muske. "Entrepreneurial Communities in Rural Oklahoma." Paper presented at the Southern Agricultural Economics Association Meetings, Dallas, Texas. February 3-5, 2008.

Brian Briggeman and Brian Whitacre (presenter). "Farming and the Internet: Factors Affecting Input Purchases Online and Reasons for Non-Adoption." Paper presented at the Southern Agricultural Economics Association Meetings, Dallas, Texas. February 3-5, 2008.

Brian Whitacre, Matt Fannin (presenter), and James Barnes. "Factors Affecting Outsourcing for Information Technology Services in Rural Hospitals: Theory and Evidence." Paper presented at the Southern Agricultural Economics Association Meetings, Dallas, Texas. February 3- 5, 2008.

Brian Whitacre (presenter), Pam Hartman, and Sarah Boggs. "Documenting the Economic Impact of Telemedicine Service in a Rural Hospital." Selected paper presented at the SERA-19 (Rural Health) Annual Meeting, Atlanta, Georgia. September 11, 2007.

Phumsith Mahasuweerachi* (presenter) and Brian Whitacre. "'Small' Broadband Providers: Where and Why?" Selected paper presented at the American Agricultural Economics Association Meetings, Portland, Oregon. July 29 – Aug 1, 2007.

Brian Whitacre (presenter) and Bradford Mills, "A Need for Speed? Rural Internet Connectivity and the No access / Dial-up / High –speed Decision." Selected paper presented at the American Agricultural Economics Association Meetings, Long Beach, California. July 23 - 26, 2006.

Brian Whitacre (presenter) and Bradford Mills, "The Role of Infrastructure in the Rural – Urban Digital Divide." Selected paper presented at the American Agricultural Economics Association Meetings, Providence, Rhode Island. July 24 - 27, 2005.

Bradford Mills (presenter), Brian Whitacre, and Christiana Hilmer. “Working Poverty in the Rural South.” Paper presented at the In the Shadows of Poverty: Strengthening the Rural Poverty Research Capacity of the South Conference, Memphis, Tennessee. July 21-23, 2004.

Bradford Mills (presenter), Brian Whitacre, and Christiana Hilmer, “Public Assistance and Working Poor Families: Has the Nation Become More Like the Rural South?” Paper presented at the Food Assistance and Nutrition Research Small Grants Conference, Economic Research Service, Washington DC. November 20-21, 2003.

Brian Whitacre (presenter) and Bradford Mills, “Understanding the Rural – Urban Digital Divide.” Selected paper presented at the American Agricultural Economics Association Meetings, Long Beach, California. July 28 - 31, 2002.

OTHER PRESENTATIONS (state or national level)

ADVISORY BOARD PRESENTATIONS (n = 30)

Brian Whitacre and Joy McGill. “Rural Library Hotspot Lending Programs.” Presentation for the AARP Rural Livability Conference. Portland, ME. June 19-21, 2019.

Brian Whitacre. “The OSU Rural Library Hotspot Lending Program.” Presentation at the Federal Reserve Investment Connection Program. Oklahoma City, OK. December 11, 2018.

Brian Whitacre. “The Role of Broadband for Agricultural Technologies and the Rural Economy of the Midwest.” Presentation for the Federal Reserve Bank of Chicago Annual Agriculture Conference. Chicago, IL. November 27, 2018.

Brian Whitacre. “Broadband Infrastructure.” Presentation at the Oklahoma State Chamber Infrastructure Forum. Tulsa, OK. November 8, 2018.

Brian Whitacre, John Stone, and Brian Hamacher. “Broadband and Data Infrastructure.” Presentation and Panel Discussion for Farm Foundation Annual Roundtable. Bettendorf, IA. June 7, 2018.

Brian Whitacre. “Loaning Out the Internet: 2 Pilot Projects in Rural Oklahoma.” Presentation for Oklahoma State University Center for Family Resiliency (CFR) Research Seminar. Tulsa, OK. April 20, 2018.

Brian Whitacre. “Starting a Rural Hotspot Lending Program.” Webinar presentation for Southern Rural Development Center. December 6, 2017.

Jim Reese, Michael Becker, James Lightfoot, Sonja Wall, and Brian Whitacre. “Rural Broadband Panel Session.” Oklahoma Rural Development Conference & Workshop. Oklahoma City, OK. December 5, 2017.

Brian Whitacre. “Spatial Econometrics Workshop.” Post-conference workshop presented at Western Agricultural Economics Annual Meeting. Lake Tahoe, NV. July 11, 2017.

Brian Whitacre and Jacob Manlove. “Rural Library Hotspot Lending Programs: Current Research and Development of a Pilot Program in Oklahoma.” Seminar for Oklahoma Library Association annual meeting. April 26, 2017.

Brian Whitacre, Bharat Mehra, and Katie Hill. "Strategies for Broadband Adoption and Digital Inclusion in Rural Communities." Webinar for National Telecommunications and Information Administration (NTIA)'s Broadband USA Initiative. April 19, 2017.

Brian Whitacre, Eric Frederick, and Kelleigh Cole. "Broadband and Economic Development: Research and On-the-ground Examples." Webinar for National Telecommunications and Information Administration (NTIA)'s Broadband USA Initiative. Nov. 16, 2016.

Karen Mossberger, John Horrigan, Colin Rhinesmith, and Brian Whitacre. "Developing a National Broadband Research Agenda." Webinar for Benton Foundation and Schools, Health, and Libraries Broadband Coalition. Sep. 29, 2016.

Brian Whitacre, Roberto Gallardo, and Connie Hancock. "e-Strategies Overview: Research and Programming Advice on Broadband and Its Impact on Rural Places." Presented to Purdue Center for Regional Development e-Strategies Team. Lafayette, Indiana. Sep. 27-28, 2016.

Brian Whitacre. "What Economics Can Teach us About Bodybuilding." Presented at the Layne Norton Natural Bodybuilding and Fitness VIP Camp. Tampa, Florida. August 1-2, 2015.

Brian Whitacre. "Life after SET (Stronger Economies Together): The Continued Success of the Western OK I-40 Corridor Team in Promoting Regional Economic Development." Presented at the Midwestern Legislative Conference Annual Meeting. Bismarck, North Dakota. July 12-15, 2015.

Brian Whitacre. "What the Research Says about Where Rural America Should Invest." Presented at the Strategies for Investing in Rural America forum (Jon Brandt Public Policy Forum). Washington, DC. April 14, 2015.

Brian Whitacre. "Broadband: What it Means for the Economy in Northeast Oklahoma." Presented at the Northeast Oklahoma Regional Alliance (NORA) Summit. Tahlequah, Oklahoma. October 7, 2014.

Brian Whitacre. "Broadband and Rural Economic Development: The Latest Research." Presented at the Oklahoma Telephone Association / Arkansas Telephone Association (OTA/ATA) Joint Annual Meeting, Tulsa, Oklahoma. June 4, 2014.

Brian Whitacre. "How Broadband Affects Economic Outcomes in Rural Areas." Presented at the USDA Rural Utilities Service Telecommunications Regional Workshop, Oklahoma City, Oklahoma. May 22, 2014.

Lara Brooks (presenter), Corie Kaiser, and Brian Whitacre. "Community Health Needs Assessment: Process Outcomes and Best Practices." Presented at Oklahoma Healthcare Financial Management Association annual meeting. Oklahoma City, OK. April 17, 2014.

Larry Wright (presenter), Clark Southard, and Brian Whitacre. "Stronger Economies Together Success Story: The Western OK I-40 Corridor Regional Team." Presented at the White House Forum on Regional Innovation for Rural America, Washington, DC. Sept. 18, 2013.

Sharon Strover (presenter), Brian Whitacre, and Roberto Gallardo. "Broadband and Ag: Is the Lack of Coverage a Concern?" Presented to the Farm Foundation leadership at the National Press Club, Washington, DC. Sept. 11, 2013.

Brian Whitacre (presenter). "Stronger Economies Together: Planning for Regional Economic Development." Presented at the Southwest States Resource Conservation & Development Conference. Tulsa, OK. April 15, 2013.

Brian Whitacre, Roberto Gallardo, and Sharon Stover. "Rural Broadband Availability and Adoption: Evidence, Policy Challenges, and Options." Webinar conducted for the National Agricultural and Rural Development Policy Center (NARDeP). March 18, 2013.

Corie Kaiser (presenter) and Brian Whitacre. "The Community Health Needs Assessment in Oklahoma's Rural Hospitals: Statistics and Trends." Presented at the Rural Hospital Session of the Oklahoma Hospital Association Annual Conference, Oklahoma City, Oklahoma. Oct 31, 2012.

Brian Whitacre. "Oklahoma Broadband Availability and Adoption During the 2000s." Presented at the Oklahoma Telephone Association Annual Meeting, Oklahoma City, Oklahoma. June 9, 2010.

Brian Whitacre. "A Ground-level View of the SRDC E-commerce Program." Presented to Southern Rural Development Center Board of Directors. Charleston, South Carolina. Nov 3, 2009.

Brian Whitacre and Mike Lea*. "Decision Support Model for Evaluating Alternative Water Supply Infrastructure Scenarios: Status to Date and Example from Beggs, OK." Presented to Oklahoma Water Research Advisory Board. July 24, 2009.

Brian Whitacre. "Key Factors Contributing to Broadband Adoption." Presented to Arkansas Broadband Advisory Council, Little Rock, Arkansas. October 28, 2008.

EXTENSION CURRICULA OVERVIEW (n = 13)

Brian Whitacre (presenter). "Starting (and Growing) a Rural Library Hotspot Lending Program: An Opportunity for Extension." To be presented at the National Association of Community Development Extension Professionals (NACDEP) Annual Conference, Asheville, NC. June 9-12, 2019.

Devon Meadowcroft and Brian Whitacre (presenter). "Community Meetings the Rural Opioid Crisis: Setting a Path Forward by Learning from Others." To be presented at the National Association of Community Development Extension Professionals (NACDEP) Annual Conference, Asheville, NC. June 9-12, 2019.

Brian Whitacre (presenter), Sharon Stover, and Colin Rhinesmith. "Rural Library Hotspot Lending Programs: Addressing the Challenges of Connectivity for Rural Communities." Presented at the National Association of Community Development Extension Professionals (NACDEP) Conference, Big Sky, MT. June 12-14, 2017.

Brian Whitacre. "The OSU E-commerce Program: Struggles and Successes." Presented to Purdue Center for Regional Development e-Strategies Team. Lafayette, Indiana. Sep. 27-28, 2016.

Brian Whitacre. "Developing and Implementing an Effective E-commerce Program." Webinar for the Southern Rural Development Center's Series on Successful Community and Rural Development Extension programs. December 16, 2015.

Brian Whitacre. "eStrategies for Local Governments: Getting Your Community Online." Presented as pre-conference workshop for NACDEP conference. Park City, Utah, May 20, 2012.

Brian Whitacre, Connie Hancock, Michael Wilcox, and David Shideler. "Creating Small Community Websites: Upcoming Material for the e-Commerce Extension Initiative." Presented for Regional Team Training at the National e-Commerce Extension Initiative meeting, July 20, 2010.

Brian Whitacre. "Hispanic Small Business e-Commerce Opportunities." Presented for Regional Team Training at the National e-Commerce Extension Initiative meeting, July 19, 2010.

Michael Wilcox, Connie Hancock, Brian Whitacre, and David Shideler. "Web Presence Strategies for Small Communities and Local Governments." Presented at National Association of Community Development Professionals Conference, Bloomington, Minnesota. April 13, 2010.

Brian Whitacre. "Web Site Basics: A Primer for Hispanic Small Businesses." Webinar held for national e-commerce extension curricula. Hosted by the Southern Rural Development Center. Nov 19, 2009.

Brian Whitacre and Cindy Blackwell. "Manufacturing and the Internet: Web Presence Strategies for Small Businesses." Presented at Oklahoma Manufacturing Alliance Annual Meeting, Tulsa, Oklahoma. Sep 23, 2008.

Brian Whitacre and Notie Lansford. "Budgets: An Ace in the Hole for Local Government Services." Presented at National Association of Community Development Extension Professionals (NACDEP) Conference, Philadelphia, Pennsylvania. April 17, 2007.

Brian Whitacre, Steve Deller, Tom Harris, and Mark Henry. "Innovative Application of Rural Data through Extension Educational Programs." Organized Symposium for American Agricultural Economics Association Meetings, Portland, Oregon. Aug 1, 2007.

POSTERS (n = 18)

Lara Brooks and Brian Whitacre. "Primary Care Physician Demand in 2050 in Oklahoma." Poster presentation for the National Rural Health Association's Annual Conference, Atlanta, GA. May 9-11, 2019.

Sharon Strover, Brian Whitacre, and Colin Rhinesmith. "At the Edges of the National Digital Platform: Hotspot Lending Programs in Kansas." Poster presentation for the Kansas Library Association Annual Conference, Wichita, KS. Oct 24-25, 2018. **1st Place – Public/School Library Session.**

Lara Brooks, Brian Whitacre, and Chad Landgraf. "The Economic Impact of Rural Residency Programs on the Oklahoma Economy." Poster presentation for the National Rural Health Association's Annual Conference, New Orleans, LA. May 10-12, 2018.

Lara Brooks and Brian Whitacre. "The Economic Impact of Rural Hospitals on the Oklahoma Economy." Poster presentation for the National Rural Health Association's Annual Conference, San Diego, CA. May 9-11, 2017.

Brian Whitacre, Lara Brooks, Denna Wheeler, and Chad Landgraf. "The National Broadband Map and the Rural – Urban Healthcare Connectivity Gap." Poster presentation for the National Rural Health Association's Annual Conference, Minneapolis, MN. May 10-12, 2016.

Jeremiah Taylor and Brian Whitacre. "Finding the Most Significant Determinants of Academic Success in the Oklahoma Public School System." Poster presentation for Wentz Projects (undergraduate research program), Oklahoma State University. April 15, 2016.

Brian Whitacre and Lara Brooks. "Rural Electronic Medical Record Adoption Rates Outpace Urban." Poster presentation for the National Rural Health Association's Annual Conference, Philadelphia, PA. April 14-17, 2015.

Lara Brooks, Brian Whitacre, and Corie Kaiser. "How to Best Get the Word Out in Rural Oklahoma." Poster presentation for the National Rural Health Association's Annual Conference, Philadelphia, PA. April 14-17, 2015.

Brian Whitacre, Sharon Strover, and Roberto Gallardo. “How Much Does Broadband Infrastructure Matter? Decomposing the Metro – Non-Metro Adoption Gap with the Help of the National Broadband Map” Poster presentation for the Telecommunication Policy Research Conference, Arlington, VA. September 12-14, 2014.

Lara Brooks, Brian Whitacre, and Corie Kaiser. “Physician EMR Adoption in Oklahoma: Does Location Matter?” Poster presentation for the National Rural Health Association Annual Conference, Las Vegas, Nevada. April 22-23, 2014.

Lara Brooks, Dave Shideler, Brian Whitacre, Notie Lansford, Gerald Doeksen. “Rural Development: 100 Years of Improving Rural Oklahomans’ Quality of Life.” Poster presentation for the OCES Annual Conference, Stillwater, Oklahoma. Jan 22-24, 2014.

Lara Brooks, Brian Whitacre, and Corie Kaiser. “Community Health Needs Assessment: A Comparison of Participating Rural Communities.” Poster presentation for the National Rural Health Association Annual Conference, Louisville, Kentucky. May 7-9, 2013.

Lara Brooks and Brian Whitacre. “Critical Access Hospitals and Retail Activity: An Empirical Analysis in Oklahoma.” Poster presentation for the National Rural Health Association Annual Conference, Austin, Texas. May 4-6, 2011.

Jamie Andrews and Brian Whitacre. “The Economic Impact of OSU Graduates on the State’s Economy.” Poster presentation for Wentz Projects, Oklahoma State University. April 22, 2011.

Lara Brooks, Brian Whitacre, Mike Woods, Glenn Muske, and David Shideler. “Entrepreneurial Programs: Which are the Most Valuable for Oklahoma Small Business Owners?” Poster presentation at the Agricultural and Applied Economics Association Meetings, Denver, Colorado. July 25-27, 2010.

DeeAnn Sanders, Art Stoecker, and Brian Whitacre. “Development of a Model for Evaluating Future Supply Needs of Rural Water Districts and Small Communities.” Poster presentation for the Oklahoma Governor’s Water Conference. Oklahoma City, Oklahoma, Nov 4, 2009.

Brian Whitacre, Vicky Pace, Jeff Hackler, Matt Janey, Chad Landgraf, and William Pettit. “An Evaluation of Osteopathic School Programs Designed to Promote Rural Location by Graduates.” Poster presentation for the American Association of Colleges of Osteopathic Medicine Conference, Bethesda, Maryland. April 15-18, 2009.

Brian Whitacre, Matt Fannin, and James Barnes. “Business Strategies for Providing Information Technology Services in Rural Hospitals.” Poster presentation for the National Rural Health Association Annual Conference, New Orleans, Louisiana. May 7-9, 2008.

MASS MEDIA

Brian Whitacre, Sharon Strover, and Colin Rhinesmith. “[Broadband Speed: FCC Map vs. Experience on the Ground.](#)” *The Daily Yonder*, July 25, 2018.

Interview with SUNUP TV. “[Library Hotspot Loan Program Helps Small Towns Connect.](#)” May 26, 2018.

Brian Whitacre, Roberto Gallardo, Angela Siefer, and Bill Callahan. “[The FCC’s Blurry Vision of Satellite Broadband.](#)” *The Daily Yonder*, March 26, 2018.

Interview with KWTU News 9 (Oklahoma City). [FCC Announces Rural Broadband Auction - What Does it Mean for Rural Oklahoma?](#) February 6, 2018.

Interview with *The Journal Record*. “[Broadband Benefits Elude Rural Towns](#).” January 18, 2018.

Interview with VOX news. “[Why 23 Million Americans Don’t Have Fast Internet](#).” September 26, 2017.

Interview with Rural Health Leadership Radio. “[The Economic Impact of Rural Hospitals in Oklahoma](#).” August 22, 2017.

Brian Whitacre. “[Broadband Internet can help rural communities connect – if they use it](#).” *The Conversation*, February 23, 2017.

Brian Whitacre and Jacob Manlove. “[Use of Broadband Linked to Greater Levels of Civic Engagement](#).” *The Daily Yonder*, September 22, 2016.

Kelsey Conley and Brian Whitacre. “[The Downside of Rural Broadband](#).” *The Daily Yonder*, September 1, 2016.

Brian Whitacre. “[Technology is improving – why is rural broadband access still a problem?](#)” *The Conversation*, June 8, 2016.

Brian Whitacre. “[Rural Healthcare’s Broadband Gap Widens](#).” *The Daily Yonder*, March 16, 2016.

Interview with Gigabit Nation (Broadband Talk Radio). “[40 Acres and a Good Broadband Connection](#).” Answered questions relating to non-adopters of broadband. January 20, 2016.

Brian Whitacre and Colin Rhinesmith. “[Understanding Broadband Un-adopters](#).” Benton Foundation Blog. January 12, 2016.

Interview with Colorado Public Radio (NPR Affiliate). Answered questions related to Colorado communities who recently voted to explore publicly-backed broadband investments, including what kind of economic impacts they can expect from such an investment. [On-air live interview](#) on Dec. 9, 2015.

Brian Whitacre. “[FCC plan to turbocharge Internet access for the poor may also give jolt to economy](#).” *The Conversation*. June 11, 2015.

Brian Whitacre, Roberto Gallardo, and Sharon Strover. “[Broadband Study: Use What’s There](#).” *The Daily Yonder*, May 13, 2015.

Brian Whitacre and Colin Rhinesmith. “[Rural Libraries and Broadband Adoption](#).” *The Daily Yonder*, April 8, 2015.

Brian Whitacre. “[Rural Docs Pull Ahead in Electronic Records](#).” *The Daily Yonder*, December 10, 2014.

Brian Whitacre, Lara Brooks, Grant Irby*, and Corie Kaiser. “[Newspapers Still Key in Reaching Rural](#).” *The Daily Yonder*, September 30, 2014.

Interview with Television Show *Oklahoma Horizon*. Answered questions related to the state of the current “digital divide,” broadband’s role in rural economic development, and policy solutions associated with rural broadband. June 8, 2014. [Brian Whitacre – Broadband Future](#).

Brian Whitacre, Roberto Gallardo, and Sharon Strover. "[Broadband: What Policies Would Help Most?](#)" *The Daily Yonder*, September 4, 2013.

Brian Whitacre, Roberto Gallardo, and Sharon Strover. "[Broadband's Economic Impact.](#)" *The Daily Yonder*, August 21, 2013.

Brian Whitacre, Roberto Gallardo, and Sharon Strover. "[Digital Gap Widens for Rural Elderly, Poor.](#)" *The Daily Yonder*. August 14, 2013.

Brian Whitacre, Roberto Gallardo, and Sharon Strover. "[Broadband Availability: Geography Matters.](#)" *The Daily Yonder*. August 7, 2013.

Interview with K-ECO Radio (Southwest Oklahoma). Answered questions regarding the "Stronger Economies Together" program taking place in four counties along the I-40 Corridor. February 15, 2013.

Trey Malone* and Brian Whitacre. "[How Rural is Our 'Local Food' Policy?](#)" *The Daily Yonder*. September 17, 2012.

Brian Whitacre and Lara Brooks. "[Does Broadband Shrink Local Tax Revenue?](#)" *The Daily Yonder*. October 5, 2011.

Interview with Television Show *SUNUP*. Provided insight into how social media can benefit agricultural producers. Discussed using Facebook / blogs as a way to connect with consumers or promote agriculture; how farmers can benefit from sites like localharvest.org or Craigslist. Aired November 6, 2010.

Interview with newspaper *The Journal Record*. Discussed status of telemedicine in rural Oklahoma, including potential cost savings, equipment and reimbursement needs, and future trends. March 24, 2010.

Brian Whitacre and Lara Brooks. "[The Towns That Build Entrepreneurs.](#)" *The Daily Yonder*. September 10, 2009.

Interview with K10 News (southeastern Oklahoma television station). Discussion of OSU e-commerce program for small businesses. June 23, 2009.

Interview with magazine *Cowboy Journal*. "A New Highway for Rural Oklahoma." Discussed the promise of broadband access for rural businesses, communities, and individuals. Volume 10 (1), Spring 2008.

Interview with K-OSU Radio. Answered questions regarding broadband access in Oklahoma, particularly on the presence of a rural – urban digital divide in both access and infrastructure. August 21, 2007.

Interview with newspaper *The Daily Oklahoman*. "[Gap Closing in Challenge to Internet.](#)" Discussed causes of rural – urban digital divide and the current broadband access situation for Oklahoma residents. July 28, 2007.

Interview with Television Show *Oklahoma Horizon*. Discussed broadband solutions in several rural Oklahoma communities, answered questions regarding the digital divide in Oklahoma and what rural areas can do to obtain broadband access. April 4, 2007.

EXTENSION PROGRAMS

Library Hotspot Lending Pilot Program (March 2017 – Present): Partner with rural libraries to “loan out the Internet” to their patrons via hotspot devices. 2017: 4 partner libraries with 4 devices each. Libraries are responsible for continuing the program on their own after the first year. Approximately 165 loans per library per year; average patron ranking 9.5 / 10. Currently partnering with 15 libraries.

E-commerce Introduction and Strategies (March 2007 – May 2015): 135 presentations, approximately 1,950 total attendees (mostly small business owners). 80% of attendees have received hands-on training in setting up or improving websites. Workshops are typically 3-6 hours in length.

Rural Solid Waste Management (October 2008 – Present): Typically produces 15 events and audiences of 2,000 each year (including youth) on recycling, illegal dumping, composting, etc. Annual funding obtained from USDA Rural Development, which funds full-time extension specialist.

Community Health Needs Assessment (July 2006 – December 2014): 80+ communities engaged, over 300 presentations, approximately 5,800 total attendees.

Stronger Economies Together (SET) (August 2012 – 2016): Led Western Oklahoma I-40 Corridor Regional Team (4 counties) through 9 modules of regional economic development training. 60 participants across 4 counties. High-Quality Regional Plan (52 pages) submitted December 2013. \$10,000 in seed funding to support goals from USDA obtained November 2014, received outstanding High-Quality Plan award in 2015.

McCurtain County GIS Pilot Program (October 2009 – August 2011): 8 presentations, approximately 110 total attendees. 3 demonstrations by public sector participants (school, volunteer and municipal fire departments).

GRANTS AND CONTRACTS (total ≈ \$2,944,000)

\$5,000 – Rural Library Hotspot Program. AARP Community Challenge Grant. May 2019- April 2020.

\$15,000 – Center for the Future of Rural Communities. Phase I funded by OSU Timely, Impactful, Engaged Research (TIER 1) Program. January – July 2019.

\$12,000 – Economic Analysis of Existing Rural Landfill Site. Funded by OK Department of Environmental Quality (ODEQ). October 2018- June 2019.

\$91,450 – Opportunities for Reducing the Solid Waste Stream in Rural Oklahoma: A Focus on Landfill Diversion and Composting. Funded by US Department of Agriculture, Rural Utilities Service (USDA RUS). October 2018 – September 2019.

\$3,000 – Rural Library Hotspot Program. AARP Community Challenge Grant. August 2018- July 2019.

\$92,290 – Landfill Diversion and Gleaning / Composting Training in Rural Oklahoma: Opportunities for Reducing the Solid Waste Stream. Funded by US Department of Agriculture, Rural Utilities Service (USDA RUS). October 2017 – September 2018.

\$1,000 – Hotspot Internet Program for Low-Income High School Students. Funded by Stillwater Public Education Foundation. May 2017 – March 2018.

\$92,000 – Sustainable Materials Management – Reducing the Solid Waste Stream and Promoting Composting in Rural Oklahoma: Technical Assistance and Training. Funded by US Department of Agriculture, Rural Utilities Service (USDA RUS). October 2016 – September 2017.

\$496,586 – At the Edges of the National Digital Platform: Rural Library Hotspot Lending Programs. Laura Bush 21st Century Librarian Program grant. June 2016 – January 2018. Co-PI with Sharon Strover (University of Texas) and Colin Rhinesmith (University of Oklahoma).

\$29,040 – Drivers of Rural Innovation and Implications for Community and Regional Economic Development. Northeast Center for Rural Development. May 2016 – April 2017. Co-PI with Roberto Gallardo (Mississippi State).

\$1,000 –Oklahoma’s Broadband Infrastructure: Rankings by State Senate and House Districts. CASNR / OAES Undergraduate Research Scholar Grant (to Kaylen Baker). September – December 2015.

\$4,679 – Health Workforce Trends Associated with Health Information Technology in Oklahoma. Subcontract from OSU Office of Rural Health from Oklahoma State Department of Health, as part of Oklahoma State Innovation Model (OSIM). August – September 2015.

\$88,000 – Solid Waste Management – Reducing the Solid Waste Stream and Introducing Composting in Rural Oklahoma: Technical Assistance and Training. Funded by US Department of Agriculture, Rural Utilities Service (USDA RUS). October 2015 – September 2016.

\$1,000 – Broadband and Civic Engagement in Rural Areas: What Matters? Mississippi State University Extension - Intelligent Community Institute. May – September 2015.

\$140,000 – Oklahoma Rural Hospital Flexibility Program. Funded by U.S. Department of Health and Human Services. September 2014-August 2015. Co-PI with State Office of Rural Health.

\$86,000 – Solid Waste Management – Helping to Keep Oklahoma’s Waters Clean by Reducing the Solid Waste Stream in Rural Oklahoma: Technical Assistance and Training. Funded by US Department of Agriculture, Rural Utilities Service (USDA RUS). October 2014 – September 2015.

\$11,000 – Low-Income Housing Tax Credits in Oklahoma. Funded by State Chamber of Oklahoma. January – March 2014. Co-PIs with Dave Shideler (AgEcon) and Drs. Jorge Atilas, Gina Peek, and Sissy Osteen (College of Human Sciences).

\$140,000 – Oklahoma Rural Hospital Flexibility Program. Funded by U.S. Department of Health and Human Services. September 2013-August 2014. Co-PI with State Office of Rural Health.

\$77,000 - Solid Waste Management – Reducing the Solid Waste Stream in Rural Oklahoma. Funded by U.S. Department of Agriculture, Rural Utilities Service (USDA RUS). October 2013 – September 2014.

\$10,000 – Evaluating the Economic Impact of the Oklahoma State University Medical Center and Residency Program on the State and Regional Economies. Funded by OSUMC. December 2012 – March 2013. Sole PI.

\$15,000 – Rural Broadband Access, Adoption and Application: Policy Challenges and Options. Funded by National Agricultural and Rural Development Policy Center (NARDeP). September 2012 – March 2013. Co-PI with Roberto Gallardo and Sharon Strover.

\$82,160 – Solid Waste Management – Technical Assistance and Training Plan to Help Rural Oklahoma Communities Reduce the Solid Waste Stream. Funded by U.S. Department of Agriculture, Rural Utilities Service (USDA RUS). October 2012 – September 2013.

\$150,000 - Oklahoma Rural Hospital Flexibility Program. Funded by U.S. Department of Health and Human Services. September 2012 – August 2013. Co-PI with Gerald Doeksen and State Office of Rural Health.

\$39,400 – Stronger Economies Together (SET). Funded by U.S. Department of Agriculture, Rural Development (USDA RD). Phase III – 2 regions in Oklahoma selected. August 2012 – July 2013. Co-PI with Dave Shideler.

\$150,000 – Oklahoma Rural Hospital Flexibility Program. Funded by U.S. Department of Health and Human Services. September 2011 – August 2012. Co-PI with Gerald Doeksen and State Office of Rural Health.

\$19,000 – Solid Waste Educational Program. Funded by Oklahoma Department of Environmental Quality. October 2011 – September 2012. Co-PI with Ilda Hershey.

\$150,000 – Oklahoma Rural Hospital Flexibility Program. Funded by U.S. Department of Health and Human Services. September 2010 – August 2011. Co-PI with Gerald Doeksen and Val Schott (State Office of Rural Health).

\$75,000 – Solid Waste Management – Enhancing Rural Areas. Funded by U.S. Department of Agriculture, Rural Utilities Service (USDA RUS). October 2010 – September 2011.

\$5,000 – Promoting GIS Knowledge and Use by the Public Sector in Rural Oklahoma. Funded by Oklahoma Cooperative Extension Service. October 2009 – September 2010.

\$150,000 - Oklahoma Rural Hospital Flexibility Program. Funded by U.S. Department of Health and Human Services. September 2009 – August 2010. Co-PI with Gerald Doeksen and Val Schott (State Office of Rural Health).

\$78,000 – Rural Waste Management Education and Feasibility Studies. Funded by U.S. Department of Agriculture, Rural Utility Service (USDA RUS). October 2009 – September 2010.

\$25,000 – Web Presence Strategies for Small Communities and Local Governments. Funded by the Southern Rural Development Center. With colleagues from Oklahoma State University, University of Tennessee, and the University of Nebraska. August 2009 – June 2010.

\$3,000 – Connecting Rural Communities: Implementation Grant. Co-PI with David Lamie, Clemson University. Funded by the Southern Rural Development Center. February 2009 – January 2010.

\$3,000 – Strengthening Competitive Advantages of Rural Businesses with e-Commerce and Experiential Economy Strategies. Implementation Grant. Funded by the Southern Rural Development Center. February 2009 – January 2010.

\$30,000 – Emergency Preparedness Demonstration project. Funded by Economic Development Administration (part of 5-state effort in southern region). January – December 2009.

\$80,000 – Cooperating Partners Enhancing Rural Waste Management Services and Protecting Water Quality and Natural Resources. Funded by U.S. Department of Agriculture, Rural Utility Service (USDA RUS). October 2008 – September 2009.

\$150,000 – Oklahoma Rural Hospital Flexibility Program. Funded by U.S. Department of Health and Human Services. September 2008 – August 2009. Co-PI with Gerald Doeksen and Val Schott (State Office of Rural Health).

\$19,581 – Evaluating the Economic Impact of Rural Telemedicine – A Regional Analysis. Funded by U.S. Department of Agriculture, Economic Research Service (USDA, ERS). May – December 2008.

\$5,000 – Multivariate Analysis of Strategies to Promote Rural Location by Osteopathic School Graduates. Funded by Health Resources and Services Administration (HRSA). May – September 2008.

\$10,000 – Economic Evaluation of Haskell County Health Care System Telemedicine Program. Funded by Health Resources and Services Administration (HRSA). May 2008 – April 2009.

\$74,337 - Decision Support Model for Evaluating Alternative Water Supply Infrastructure Scenarios. Funded by Oklahoma Water Resources Research Institute (OWRRI). Co-PI with DeeAnn Sanders (Civil Engineering) and Art Stoecker (Agricultural Economics). March 2008 – February 2010.

\$50,000 – Flex Critical Access Hospital Health Information Technology Network Implementation Program. Program Evaluation portion of \$2.2M budget. Funded by U.S. Department of Health and Human Services. October 2007 – April 2009.

\$150,000 - Oklahoma Rural Hospital Flexibility Program. Funded by U.S. Department of Health and Human Services. September 2007 – August 2008. Co-PI with Gerald Doeksen and Val Schott (State Office of Rural Health).

\$24,997 – Hispanic E-commerce Opportunities: ¡El Tiempo Ahora Está! (The Time is Now!) Funded by the Southern Rural Development Center. August 2007 – July 2008.

\$10,000 – Broadband Matters: Connecting Rural Communities. Funded by Oklahoma Cooperative Extension Service. March 2007 – December 2008.

TEACHING EXPERIENCE

Oklahoma State University, Department of Agricultural Economics	Rating	# students
• Rural Economic Development, Spring 2019	4.8 / 5.0, dept. avg 4.4	53
• Spatial Econometrics (2 credits - Ph.D. level), Spr. 2018	4.7 / 5.0, dept. avg 4.4	5
• Rural Economic Development, Spring 2018	4.5 / 5.0, dept. avg 4.5	56
• Rural Economic Development, Spring 2017	4.4 / 5.0, dept. avg 4.3	60
• Spatial Econometrics (1 credit - Ph.D. level), Spr. 2016	5.0 / 5.0, dept. avg 4.6	13
• Rural Economic Development, Spring 2016	4.9 / 5.0, dept. avg 4.5	58
• Rural Economic Development, Spring 2015	3.8 / 4.0, dept. avg 3.5	50
• Spatial Econometrics (1 credit - Ph.D. level), Spr. 2014	4.0 / 4.0, dept. avg 3.6	12
• Rural Economic Development, Spring 2014	3.6 / 4.0, dept. avg 3.4	58
• Rural Economic Development, Spring 2013	3.8 / 4.0, dept. avg 3.3	56
• Rural Economic Development, Spring 2012	3.8 / 4.0, dept. avg 3.4	49
• Rural Economic Development, Spring 2011	3.6 / 4.0, dept. avg 3.4	51
• Rural Economic Development, Spring 2010	3.7 / 4.0, dept. avg 3.3	48

Virginia Tech, Department of Agricultural and Applied Economics	Rating	# students
• Introductory Econometrics, Spring 2006 (M.S. level)	3.5 / 4.0, dept. avg 3.6	16
• Intermediate Microeconomics, Spring 2006	3.7 / 4.0, dept. avg 3.6	26
• Introductory Agricultural Economics, Fall 2005	3.6 / 4.0, dept. avg 3.6	83
• Intermediate Microeconomics, Spring 2005	3.8 / 4.0, dept. avg 3.6	25

GRADUATE COMMITTEES

Role	Number of Students	
	Head	Member
Master's committee – completed students	6	7
Master's committee – current students	0	3
Ph.D. committee – completed students	5	5
Ph.D. committee – current students	0	1

Thesis Advisees

Devon Meadowcroft (2019). Ph.D. Dissertation: Essays on the Rural Opioid Crisis.

- Resulting Publication: Whitacre, Meadowcroft, and Gallardo (forthcoming), *Entrepreneurship and Regional Development*
- 2nd Publication: Meadowcroft and Whitacre (under submission)
- 3rd Publication: Meadowcroft and Whitacre (under submission)
- Initial appointment: Postdoctoral Scholar, Northeast Regional Center for Rural Development

Kelsey Conley (2019). Ph.D. Dissertation: Essays on Food Expenditure, Development Program Evaluation, and Rural Broadband.

Kwideok Han (2019). Ph.D. Dissertation: Essays on School Size and Student Performance, Hay Yield, and EDA Public Works Program Evaluation.

Kangil Lee (2018). Ph.D. Dissertation. “Three Essays in Energy, Environmental, and Regional Economics.” 131 pp.

- Initial appointment: Research Professor, Green School at Korea University

Jacob Manlove (2018). Ph.D. Dissertation. “Three Essays on Broadband Access.” 99 pp.

- Resulting Publication: Whitacre and Manlove (2016), *Community Development*
- 2nd Publication: Manlove and Whitacre (2019), *Telecommunications Policy*
- 3rd Publication: Manlove and Whitacre (forthcoming), *Telecommunications Policy*
- Initial appointment: Assistant Professor, Tarleton State University

Hyun Ji Lee (2016). M.S. Thesis. “The FCC’s Low-Income Broadband Pilot Program: Lessons Learned and Implications for Future Policies.” 41 pp.

- Resulting Publication: Lee and Whitacre (2017), *Telecommunications Policy*
- Upon Graduation: Ph.D. Student, Texas Tech University

Dylan Johnston (2016). M.S. Thesis. “The Influence of Oil and Gas on Local Retail Sales and Use Tax Receipts: Evidence from Oklahoma Panel Data.” 83 pp.

- Resulting Publication: Whitacre, Johnston, Lansford, and Shideler (under submission)
- Upon Graduation: Bank Examiner, Farm Credit Administration

Kelsey Conley (2015). M.S. Thesis. “Does Broadband Matter for Rural Entrepreneurs or ‘Creative Class’ Employees?” 84 pp.

- Resulting Publication: Conley and Whitacre (2016), *Review of Regional Studies*
- Upon Graduation: Ph.D. Student, Oklahoma State University

Randi Williams (2014). M.S. Thesis. “Electronic Medical Record Adoption in Oklahoma: Rural – Urban Differences and the Role of Broadband Availability.” 73 pp.

- Resulting Publication: Whitacre and Williams (2015), *The Journal of Rural Health*
- 2nd Publication: Whitacre, Shideler, and Williams (2016), *Economic Development Quarterly*
- Upon Graduation: Consultant, Cerner Corporation

Ivica Janeski (2012). M.S. Thesis. “Long-term Economic Impacts of USDA Water Infrastructure Investments in Oklahoma.” 95 pp.

- Resulting Publication: Janeski and Whitacre (2014), *Journal of Agricultural and Applied Economics*
- Upon Graduation: Head of Department for Implementation of National Rural Development Programs, Republic of Macedonia

Ashley Jackson (2012). M.S. Thesis. “How Specialized is ‘Too’ Specialized? Outmigration and Industry Diversification in Nonmetropolitan Counties across America.” 103 pp.

- Resulting Publication: Poston and Whitacre (2014), *The Journal of Economics*
- Upon Graduation: Extension Ag Economist, Kansas State University Farm Management Association

AWARDS

- Aggie-X Outstanding Teacher Award (2019). Selected by undergraduate Ag Econ students.
- Merrick Foundation Teaching Award on the American Free Enterprise System (2016). Oklahoma State University.
- James A. Whatley Award for Meritorious Research in Agricultural Sciences (2015). OSU Division of Agricultural Sciences and Natural Resources (DASNR).
- Outstanding Teaching of a Course Award (2015). Southern Agricultural Economics Association (SAEA).
- Excellence in Regional Economic Development Work Award (2015). Stronger Economies Together (SET) National Program. For work with Western OK I-40 Corridor Team.
- Outstanding Regional High Quality Plan (2015). Stronger Economies Together (SET) National Program. For work with Western OK I-40 Corridor Team.
- Early Career Professional Administrative Leadership Award (2014). National Association of Agricultural Economics Administrators (NAAEA).
- Distinguished Extension / Outreach Program Award: Individual Less than Ten Years’ Experience (2013). Agricultural and Applied Economics Association (AAEA).
- Outstanding Supporting Individual (2013). Great Plains Resource Conservation & Development. For work on Stronger Economies Together (SET) Program.
- New Research Scientist Award (2013). Gamma Sigma Delta (Agriculture Honor Society) – Oklahoma State University Chapter.
- Early promotion to associate professor with tenure. Oklahoma State University (2011).
- Bonnie Teater Community Development Early Career Achievement Award (2011). Honors “rising star” in the field of Community Development (less than 10 years of service). Given by Southern Rural Development Center (SRDC).
- Excellence in Community Development Work (2010). Team Award from National Association of Community Development Extension Professionals (NACDEP). For work on “Building Resilient Communities - Emergency Preparedness Demonstration.”

- Faculty Advisor for Student Research:
 - Telecommunications Policy Research Conference Graduate Student Research Award
 - Jacob Manlove (2017, 2018)
 - OSU Women's Faculty Council Research Award (graduate research)
 - Randi Williams (2014)
 - Ashley Jackson (2012)
 - Wentz Project Award (undergraduate research)
 - Jeremiah Taylor (2015)
 - Jamie Andrews (2010)
 - OSU Ag Econ Departmental Graduate Student Paper Award: Faculty Advisor for
 - Phumsith Mahasuweerachai, 1st place (2009)
 - Phumsith Mahasuweerachai, 2nd place (2008)
- Cunningham Fellowship Recipient (Outstanding Graduate Student), Virginia Tech, 2003-2005

UNIVERSITY AND PROFESSIONAL SERVICE

Department of Agricultural Economics, Oklahoma State University

- Community Resources and Economic Development Initiative Team
 - Member, 2006 - Present
 - Team Leader, 2008 - 2014
- Information Services Committee, Member, 2006 – Present
 - Chair, 2011 – Present
- Department Marketing Research Team, 2014
- Seminar Committee, Member, 2006 - 2015
- Faculty Communications Committee, Member, 2008 - Present
- OCES Website Advisory Committee, 2008 – Present
- Undergraduate Scholarship Selection Committee, 2013-2014
- Aggie-X (Undergraduate Ag Econ Student Association)
 - Junior Advisor, 2011
 - Co-advisor, 2012-2013
- Graduate Student Association Advisor, 2017 - Present
- Graduate Student AAEE Case Study Advisor, 2015, 2017
- Ag Faculty Council Member, 2011 – 2014
 - Vice Chair, 2011-12
 - Chair, 2012-2013
- Graduate Recruitment and Admissions Committee, 2017 – Present
- CASNR Graduate Student Award Committee, 2018 – Present

Agricultural and Applied Economics Association

- Member, 2002 - Present
- Community and Regional Economics Network, Member, 2007 – Present
 - Chair-Elect, 2013-2014; Chair, 2014-2015
- Rural Development Section Selected Paper Coordinator, 2008 & 2009
- Rural Development Section Selected Paper Reviewer, 2010, 2011, 2014, 2015, 2017, 2019
- Annual Meeting Poster Reviewer, 2015

Southern Agricultural Economics Association

- Member, 2008 - Present
- Community / Rural Development Selected Paper Reviewer, 2008
- Farm Management Selected Paper Reviewer, 2011

Western Agricultural Economics Association

- Community and Regional Economics Selected Paper Reviewer, 2013
- Outstanding Published Research Award committee
 - Chair, 2016-17

NE-1749, NE-1049, & NE-1029 (Multistate Research Projects) – Community Health and Resilience

- Member, 2010 – Present
- Secretary / Chair-Elect, 2012-2013
- Chair, 2013-2014

National Association of Community Development Extension Professionals (NACDEP)

- Member, 2010 – Present
- Conference paper reviewer, 2016

Southern Regional Science Association

- Member, 2011 – Present

SERA-19 (Southern Extension Research Activity – Rural Health)

- Member, 2006 - 2011
- Conference Agenda Committee, 2008 – 2011
- Priester Conference Global Health Reviewer, 2008

National Rural E-commerce Extension Initiative – Southern Rural Development Center

- Regional E-commerce Training Team Member, 2010
- Advisory Committee, 2010 – Present

Southern Region Program Leadership Network

- Community & Rural Development state representative, 2010 - 2014
 - Secretary, 2010-2011
 - Vice-Chair, 2011-2012
 - Chair, 2012-2013

Small Business Innovation Research Program (Rural and Community Development) Reviewer

- Phase I Member, 2013
- Phase II Member, 2013, 2018
- Phase I (Ad Hoc), 2018
- Phase II (Ad Hoc), 2014 & 2015

Agriculture and Food Research Initiative: Innovation for Rural Entrepreneurs and Communities Reviewer

- Member, 2018

National Institute for Water Research Grant Proposal Reviewer

- Member, 2010

National Science Foundation: Science, Technology, and Society Grant Proposal Reviewer

- Ad Hoc Member, 2015

Global Center for Food Systems Innovation Grants Proposal Reviewer

- Member, 2015

Rural Health Research Center Grant Proposal Reviewer (Organized by Health Resources and Service Administration)

- Member, 2008
- Rural Research to Diverse Audiences Reviewer, 2009

James A. Whatley Award for Meritorious Research in Agricultural Sciences Selection Committee

- Member, 2016 - Present

Merrick Foundation Teaching Award Selection Committee

- Member, 2017 – Present

Oklahoma State University Weightlifting Club

- Faculty Advisor, 2007 - Present

Journal Manuscripts Reviewer (number of manuscripts in parenthesis, if >1)

- Editorial Council for *Journal of Agricultural and Resource Economics*, 2015-2018
- *American Journal of Agricultural Economics*
- *Journal of Regional Science* (4)
- *Regional Science, Policy, and Practice*
- *Telecommunications Policy* (6)
- *Review of Regional Studies*
- *Papers in Regional Science* (2)
- *Growth & Change* (2)
- *Industrial Geographer*
- *Research Policy*
- *American Behavioral Scientist*
- *Economics and Business Letters*
- *New Media & Society*
- *International Regional Science Review*(3)
- *Economic Inquiry*
- *Applied Geography*
- *Government Information Quarterly* (2)
- *Choices* (4)
- *Community Development*(3)
- *Rural and Remote Health* (3)
- *Economics of Education Review*
- *Journal of Rural Health* (4)
- *Transportation Research E: Logistics and Transportation Review*
- *Journal of Health Communication*
- *Communication Research and Practice*
- *Annals of Psychiatry and Mental Health*
- *Journal of Research in Rural Education*
- *Computers and Electronics in Agriculture*
- *Annals of Regional Science*
- *Journal of Planning Literature*
- *Southern Business and Economic Journal*
- *Applied Clinical Informatics*
- *Behaviour and Information Technology* (2)
- *Journal of Rural Studies* (2)
- *Economic Development Quarterly*(2)

- *Cambridge Journal of Regions, Economy, and Society*
- *International Journal of Education Economics and Development*
- *Rural Sociology*
- *Applied Economic Perspectives & Policy (3)*
- *Agricultural and Resource Economics Review(3)*
- *Journal of Agricultural and Applied Economics(4)*
- *International Food and Agribusiness Management Review*
- *Fiscal Studies*
- *The Information Society*
- *Journal of Urban Affairs*
- *Journal of Information Policy (2)*
- *Economics of Innovation and New Technology*