CURRICULUM VITAE

Fred A. Ullrich September 4, 2025

I. EDUCATION AND PROFESSIONAL HISTORY

A. Education (least to most recent)

<u>Institution</u>	Dates <u>Attended</u>	Field of Study	Degree <u>Obtained</u>	Degree <u>Date</u>
Nebraska Wesleyan University, Lincoln, NE	1976-1981	Political Science/Philosophy	BA	1981
University of Nebraska, Lincoln, NE	1983-1985	Political Science		

B. Professional and Academic Positions (least to most recent)

Position Title	<u>ServiceDates</u>	<u>Location/Institution</u>
Programmer/Analyst	1985-1989	Department of Computing Services, University of Nebraska Medical Center, Omaha, NE
Senior Programmer/Analyst	1989-2007	Department of Preventive and Societal Medicine, University of Nebraska Medical Center, Omaha, NE
Information Technology Manager	2007-2010	College of Public Health, University of Nebraska Medical Center, Omaha, NE
Research Specialist	2010-2018	Department of Health Management and Policy, College of Public Health, University of Iowa, Iowa City, IA
Program Director	2018-present	Department of Health Management and Policy, College of Public Health, University of Iowa, Iowa City, IA

C. Honors, Awards, Recognitions, and Outstanding Achievements

<u>Year</u>	<u>Title</u>
2000	Univ. Nebraska Medical Center, Chancellor's Council Silver 'U' Award
2006	Univ. Nebraska Medical Center, Chancellor's Council Silver 'U' Award
2015	University of Iowa, College of Public Health Staff Research Award

II. TEACHING

Semester/Year	Course Title/Number	<u>Role</u>
Fall 2011	174:268 Health Care Outcomes and Utilization	Guest Lectures
Fall 2014	HMP:7940 Primary Data and Mixed Methods	Guest Lectures
Fall 2015	CBH:5305:0001 Evaluation I: Theory and Applications	Guest Lecture
Fall 2016	HMP:7940 Primary Data and Mixed Methods	Guest Lectures
Spring 2018	OEH: 6120 Topics in Agriculture and Rural Health	Guest Lecture
Fall 2018	HHP:4040 Health Services	Guest Lecture

Fall 2018	HMP:7940 Primary Data and Mixed Methods	Guest Lectures
Spring 2019	HHP:4040:0001 Current Barriers and Innovative Solutions	Guest Lecture
Fall 2019	HHP:4040 Health Services	Guest Lecture

III. SCHOLARSHIP

A. Publications or Creative Works

1. Peer-Reviewed Papers

- Schaefer GB, Rosenbloom AL, Guevara_Aguirre J, Campbell EA, Ullrich F, Patil K, and Frias JL. Facial morphometry of Ecuadorian patients with growth hormone receptor deficiency/Laron syndrome. J_Med_Genet. 8:635_9, 1994.
- 2. Paulman P, Gilbert C, Davidson_Stroh L, and **Ullrich_F**. A way to improve training for rural health care providers? [letter]. Acad Med. 70(7):562–3, 1995.
- 3. Mueller KJ, Patil K, **Ullrich F**. Lengthening spells of Uninsurance and their Consequences. J Rural Health. 1997 Winter; 13 (1):29-37
- 4. The Non-Hodgkin's Lymphoma Classification Project: A clinical evaluation of the International Lymphoma Study Group classification of non-Hodgkin's lymphoma. Blood 89:3909-18, 1997.
- 5. Stark AH, Switzer BR, Atwood JR, Travis RG, Smith JL, **Ullrich F**, Ritenbaugh C, Hatch J, and Wu X. Estrogen profiles in postmenopausal African_American women in a wheat bran fiber intervention study. Nutr_Cancer. 31(2):138_42, 1998.
- 6. Daughton DM, Fortmann SP, Glover ED, Hatsukami DK, Heatley SA, Lichtenstein E, Repsher L, Millatmal T, Killen JD, Nowak RT, **Ullrich F**, Patil KD, and Rennard SI. The smoking cessation efficacy of varying doses of nicotine patch delivery systems 4 to 5 years post_quit day. Prev_Med. 28(2):113_8, 1999.
- 7. Nathwani BN, Anderson JR, Armitage JO, Cavalli_F, Diebold J, Drachenberg MR, Harris NL, MacLennan KA, Muller-Hermelink HK, **Ullrich FA**, and Weisenburger_DD. Marginal zone B_cell lymphoma: A clinical comparison of nodal and mucosa_associated lymphoid tissue types. Non Hodgkin's Lymphoma Classification Project. J Clin Oncol. 17(8):2486 92, 1999.
- 8. Nathwani BN, Anderson JR, Armitage JO, Cavalli F, Diebold J, Drachenberg MR, Harris NL, MacLennan KA, Muller_Hermelink HK, **Ullrich FA**, and Weisenburger DD. Clinical significance of follicular lymphoma with monocytoid B cells. Non_Hodgkin's Lymphoma Classification Project. Hum_Pathol. 30(3):263_8, 1999.
- 9. Weisenburger DD, Anderson JR, Diebold J, Gascoyne RD, Maclennan KA, Muller-Hermelink HK, Nathwani BN, **Ullrich F**, Armitage JO. Systemic anaplastic large-cell lymphoma: results from the non-Hodgkin's lymphoma classification project. Am J Hematol, Jul;67(3):172-8. Review, 2001.
- 10. Rennard SI, Umino T, Millatmal T, Daughton DM, Manouilova LS, **Ullrich FA**, Patil KD, Romberger DJ, Floreani AA, Anderson JR. Evaluation of subclinical respiratory tract inflammation in heavy smokers who switch to a cigarette-like nicotine delivery device that primarily heats tobacco. Nicotine Tob Res. Nov;4(4;467-76, 2002.

- 11. Newland MC, Ellis SJ, Lydiatt CA, Peters KR, Tinker JH, Romberger DJ, **Ullrich FA**, Anderson JR. Anesthetic-related cardiac arrest and its mortality: a report covering 72,959 anesthetics over 10 years from a US teaching hospital. Anesthesiology Jul;97(1):108-15, 2002.
- 12. Diebold J, Anderson JR, Armitage JO, Connors JM, Maclennan KA, Muller-Hermelink HK, Nathwani BN, **Ullrich F**, Weisenburger DD. Diffuse large B-cell lymphoma: a clinicopathologic analysis of 444 cases classified according to the updated Kiel classification. Leuk Lymphoma, Jan;43(1):97-104, 2002.
- 13. Rudiger T, Weisenburger DD, Anderson JR, Armitage JO, Diebold J, Maclennan KA, Nathwani BN, **Ullrich F**, Muller-Hermelink HK, Non-Hodgkin's Lymphoma Classification Project. Peripheral T-cell lymphoma (excluding anaplastic large-cell lymphoma): results from the Non-Hodgkin's Lymphoma Classification Project. Ann Oncol. Jan;13(1):140-9, 2002.
- 14. Chiles MC, Parham DM, Qualman SJ, Teot LA, Bridge JA, Ullrich F, Barr FG, Meyer WH, Soft Tissue Sarcoma Committee of the Children's Oncology Group. Sclerosing Rhabdomyosarcomas in Children and Adolescents: a Clinicopathologic Review of 13 cases from the Intergroup Rhabdomyosarcoma Study Group and Children's Oncology Group. Pediatr Dev Pathol. 2004 Nov-Dec;7(6):583-594.
- Arndt C, Rodeberg D, Breitfeld PP, Raney RB, Ullrich F, Donaldson S. Does Bladder Preservation (as a surgical principle) lead to Retaining Bladder Function in Bladder/Prostat Rhabdomyosarcoma? Results from Intergroup Rhabdomyosarcoma Study IV. J. Urol. 2004 Jun;171(6Pt1):2396-403.
- 16. Breitfeld PP, **Ullrich F**, Anderson J, Crist WM. Web-based Decision Support for Clinical Trial Eligibility Determination in an International Clinical Trials Network. Control Clin Trials. 2003 Dec;24(6):702-10.
- 17. Switzer BR, Atwood JR, Stark AH, Hatch JW, Travis R, Ullrich F, Lyden, ER, Wu X, Chiu Y, Smith JL. Plasma Carotenoid and Vitamins A and E Concentrations in Older African American Women after Wheat Bran Supplementation: Effects of Age, Body Mass and Smoking History. J. Am. Coll. Nutr 24 (3):217-226, 2005.
- 18. Bucklin BA, Jawkins JL, Anderson JR, **Ullrich FA**. Obstetric Workforce Survey: Twenty-year Update. Anesthesiology. 2005 Sep 103(3): 645-653.
- 19. Enose Y, Destache CJ, Mack AL, Anderson JR, **Ullrich F**, Ciborowski PS, Gendelman HE. Proteomic fingerprints distinguish microglia, bone marrow, and spleen macrophage populations. Glia. 2005 Aug 15;51 (3): 161-172.
- 20. Meza JL, Chen LW, Williams TV, **Ullrich F**, Mueller KJ. Differences in beneficiary assessments of health care between TRICARE prime and TRICARE prime remote. Mil Med. 2006 Oct: 171(10):950-4.
- 21. Raney B, Anderson J, Jenney M, Arndt C, Brecht I, Carli M, Bisogno G, Oberlin O, Rey A, Treuner J, Ullrich F, Stevens M; Children's Oncology Group Soft-Tissue Sarcoma Committee; International Society of Pediatric Oncology Malignant Mesenchymal Tumors Group; German Cooperative Weichteilsarkomstudie Group; Italian Soft-Tissue Sarcoma Cooperative Group. Late effects in 164 patients with rhabdomyosarcoma of the bladder/prostate region: a report from the international workshop. J Urol. 2006 Nov;176(5):2190-4.
- 22. Muelleman RL, Wadman MC, Tran TP, **Ullrich F**, Anderson JR. Rural Motor Vehicle Crash Risk of Death is Higher After Controlling for Injury Severity. J Trauma 2007 Jan: 62(1):221-6.

- 23. Newland MC, Ellis SJ, Peters KR, Simonson JA, Durham TM, **Ullrich FA**, Tinker JH. Dental injury associated with anesthesia: a report of 161,687 anesthetics given over 14 years. J Clin Anesth. 2007 Aug;19(5):339-45.
- 24. Freifeld A, Sankaranarayanan J, **Ullrich F**, Sun J. Clinical practice patterns of managing lowrisk adult febrile neutropenia during cancer chemotherapy in the USA. Support Care Cancer. 2008 Feb;16(2): 181-91.
- 25. Feresu SA, Zhang W, Puumala SE, **Ullrich F**, Anderson JR. Breast and cervical cancer screening among low-income women in Nebraska: findings from the Every Woman Matters program, 1993-2004. J Health Care Poor Underserved. 2008 Aug:19(3):797-813.
- 26. Savage JK, Harris NL, Vose JM, Ullrich F, Jaffe ES, Connors JM, Rimsza L, Pileri SA, Chhanabhai M, Gascoyne RD, Armitage JO, Weisenburger DD; International Peripheral T-Cell Lymphoma Project. ALK- anaplastic large-cell lymphoma is clinically and immunophenotypically different from both ALK+ ALCL and peripheral T-cell lymphoma, not otherwise specified: report from the International T-Cell Lymphoma Project. Blood. 2008 Jun 15:111(12):5496-504.
- 27. Feresu SA, Zhang W, Puumala SE, **Ullrich F**, Anderson JR. The frequency and distribution of cardiovascular disease risk factors among Nebraska women enrolled in the WISEWOMAN screening program. J Womens Health (Larchmt). 2008 May; 17(4):607-17.
- 28. Raney B, Anderson J, Breneman J, Donaldson SS, Huh W, Maurer H, Michalski J, Qualman S, **Ullrich F**, Wharam M, Meyer W; Soft-Tissue Sarcoma Committee of the Children's Oncology Group, Arcadia, California, USA. Results in patients with cranial parameningeal sarcoma and metastases (Stage 4) treated on Intergroup Rhabdomyosarcoma Study Group (IRSG) Protocols II-IV, 1978-1997: report from the Children's Oncology Group. Pediatr Blood Cancer. 2008 Jul;51(1):17-22.
- Madariaga MG, **Ullrich F**, Swindells S; Low prevalence of community-acquired methicillinresistant Staphylococcus aureus colonization and apparent lack of correlation with sexual behavior among HIV-infected patients in Nebraska. Clin Infect Dis. 2009 May 15:48(10); 1485-7.
- Are C, Afuh C, Ravipati L, Sasson A, Ullrich F, Smith L.; Preoperative Nomogram to Predict Risk of Perioperative Mortality Following Pancreatic Resections for Malignancy. J Gastrointest Surg. 2009 Oct 6.
- 31. Rodeberg DA, Anderson JR, Arndt CA, Ferrer FA, Raney RB, Jenney ME, Brecht IB, Koscielniak E, Carli M, Bisogno G, Oberlin O, Rey A, **Ullrich F**, Stevens MC, Meyer WH. Comparison of outcomes based on treatment algorithms for rhabdomyosarcoma (RMS) of the bladder/Prostate (BP): combined results from the children's oncology group (COG), german cooperative soft tissue sarcoma study (CWS), Italian cooperative group (ICG), and international society of pediatric oncology (SIOP) malignant mesenchymal tumors (MMT) committee. Int J Cancer. 2010 May 11.
- 32. Dhir M, Smith LM, **Ullrich F**, Leiphrakpam PD, Ly QP, Sasson AR, Are C. Pre-operative nomogram to predict risk of peri-operative mortality following liver resections for malignancy. J Gastrointest Surg. 2010 Nov;14(11):1770-81. Epub 2010 Sep 8.
- 33. Weisenburger DD, Savage KJ, Harris NL, Gascoyne RD, Jaffe ES, MacLennan KA, Rüdiger T, Pileri S, Nakamura S, Nathwani B, Campo E, Berger F, Coiffier B, Kim WS, Holte H, Federico M, Au WY, Tobinai K, Armitage JO, Vose JM. Peripheral T-cell lymphoma, not otherwise specified: a report of 340 cases from the International Peripheral T-cell Lymphoma Project. Blood. 2011 Mar 24;117(12):3402-8. doi: 10.1182/blood-2010-09-310342. Epub 2011 Jan 26.

- 34. Klepser DG, Xu L, **Ullrich F**, Mueller KJ. Trends in community pharmacy counts and closures before and after the implementation of Medicare part D. J Rural Health. 2011 Mar;27(2):168-75.
- 35. Shah B, **Ullrich F**, Leiphrakpam P, Ly Q, Sasson A, Are C. National trends in discharge disposition following hepatic resection for malignancy. Epub: HPB 2011;13:96-102.
- 36. Dhir M, Lyden ER, Wang A, Smith LM, **Ullrich F**, Ly Q, Sasson A, Are C. Influence of margins on overall survival following hepatic resection for colorectal liver metastasis: A meta analysis. Ann Surg 2011;254:234-242.
- 37. Dhir M, Reddy S, Smith L, **Ullrich F**, Wallis Marsh J, Tsung A, Geller D, Are C. External validation of a pre-operative nomogram predicting peri-operative mortality following liver resection for malingnancy. HPB 2011;13: 817-822.
- 38. Shah BC, Smith LM, **Ullrich F**, Are C. Discharge disposition after pancreatic resection for malignancy: analysis of national trends. HPB (Oxford). 2012 Mar;14(3):201-8.
- 39. Delabie J, Holte H, Vose JM, **Ullrich F**, Jaffe ES, Savage KJ, Connors JM, Rimsza L, Harris NL, Müller-Hermelink K, Rüdiger T, Coiffier B, Gascoyne RD, Berger F, Tobinai K, Au WY, Liang R, Montserrat E, Hochberg EP, Pileri S, Federico M, Nathwani B, Armitage JO, Weisenburger DD. Enteropathy-associated T-cell lymphoma: clinical and histological findings from the International Peripheral T-Cell Lymphoma Project. Blood. 2011 Jul 7;118(1):148-55.
- 40. L Wehby G, **Ullrich F**, Xie Y, Very Low Birth Weight Hospital Volume and Mortality: An Instrumental Variables Approach, Med Care. 2012 Aug;50(8):714-21.
- 41. Dhir M, Smith LM, **Ullrich F**, Leiphrakpam PD, Ly QP, Sasson AR, Are C. A preoperative nomogram to predict the risk of perioperative mortality following gastric resections for malignancy. J Gastrointest Surg. 2012 Nov;16(11):2026-36.
- 42. Ayyagari P, **Ullrich F**, Malmstrom TK, Andresen EM, Schootman M, Miller JP, Miller DK, Wolinsky FD. Self-rated health trajectories in the African American health cohort. PLoS One. 2012;7(12):e53278.
- 43. **Ullrich F**, MacKinney AC, Mueller KJ. Are primary care practices ready to become patient-centered medical homes? J Rural Health. 2013 Spring;29(2):180-7.
- 44. Ward MM, **Ullrich F**, Matthews K, Rushton G, Goldstein MA, Bajorin DF, Hanley A, Lynch CF. Who does not receive treatment for cancer? Journal of Oncology Practice, 9: 20-29, 2013.
- 45. Ward MM, **Ullrich F**, Matthews K, Rushton G, Tracy R, Goldstein MA, Bajorin DF, Kosty MP, Bruinooge SS, Hanley A, Jacobson GM, Lynch CF. Where do patients with cancer in Iowa receive radiation therapy? J Oncol Pract. 2014 Jan;10(1):20-5.
- 46. Ward MM, **Ullrich F**, Matthews K, Rushton G, Tracy R, Bajorin DF, Goldstein MA, Kosty MP, Bruinooge SS, Hanley A, Lynch CF. Access to chemotherapy services by availability of local and visiting oncologists. J Oncol Pract. 2014 Jan;10(1):26-31.
- 47. Wolinsky FD, Jones MP, **Ullrich F**, Lou Y, Wehby GL. The concordance of survey reports and Medicare claims in a nationally representative longitudinal cohort of older adults. Med Care. 2014 May;52(5):462-8.
- 48. Ward MM, **Ullrich F**, Potter AJ. Factors Affecting Staff Perceptions of Tele-ICU Service in Rural Hospitals. Telemedicine Journal and E-health. 2015 Mar 3 [Epub ahead of print].

- 49. Wolinsky FD, Jones MP, **Ullrich F**, Lou Y, Wehby GL. Cognitive function and the concordance between survey reports and Medicare claims in a nationally representative cohort of older adults. Medical care. 2015; 53(5):455-62.
- 50. MacKinney AC, Ward MM, **Ullrich F**, Ayyagari P, Bell AL, Mueller KJ. The Business Case for Tele-emergency. Telemed J E Health. 2015 Dec;21(12):1005-11.
- 51. Wehby GL, Jones MP, **Ullrich F**, Lou Y, Wolinsky FD. Does the Relationship of the Proxy to the Target Person Affect the Concordance between Survey Reports and Medicare Claims Measures of Health Services Use? Health Serv Res. 2016 Feb;51(1):314-27.
- 52. Weigel P, **Ullrich F**, Shane DM, Mueller KJ. Variation in Primary Care Service Patterns by Rural Urban Location. J Rural Health. 2016 Spring;32(2):196-203.
- 53. Ward MM, **Ullrich F**, MacKinney AC, Bell AL, Shipp S, Mueller, KJ. Tele-emergency utilization: In what clinical situations is tele-emergency activated? Journal of Telemedicine and Telecare. 2016, Vol. 22(1) 25–31.
- 54. Natafgi N, Nattinger M, Ugwi P, **Ullrich F**, Wolinsky FD. The impact of the affordable care Act (ACA) on favorable risk selection and Beneficiaries' health status in Medicare advantage: a preliminary assessment. BMC Health Serv Res. 2016 Aug 18;16(1):404.
- 55. Nattinger MC, Mueller K, **Ullrich F**, Zhu X. Financial Performance of Rural Medicare ACOs. J Rural Health. 2016 Aug 24 [Epub ahead of print].
- 56. Wolinsky FD, Ayres L, Jones MP, Lou Y, Wehby GL, **Ullrich FA**. A pilot study among older adults of the concordance between their self-reports to a health survey and spousal proxy reports on their behalf. BMC Health Serv Res. 2016 Sep 9; 16:485.
- 57. Weigel PA, **Ullrich F**, Ward MM. Rural Bypass of Critical Access Hospitals in Iowa: Do Visiting Surgical Specialists Make a Difference? J Rural Health. 2016 Sep 28 [Epub ahead of print].
- 58. Lou Y, Edmonds SW, Jones MP, **Ullrich F**, Wehby GL, Cram P, Wolinsky FD. Predictors of bone mineral density testing among older women on Medicare. Osteoporosis Int. 2016 Dec;27(12):3577-3586.
- 59. Natafgi N, Shane DM, **Ullrich F**, MacKinney AC, Bell A, Ward MM. Using tele-emergency to avoid patient transfers in rural emergency departments: An assessment of costs and benefits. J Telemed Telecare. 2017 Jan 1 [Epub ahead of print].
- 60. Weigel P, **Ullrich F**, Finegan CN, Ward MM. Rural Bypass for Elective Surgeries. J Rural Health. 2017 Apr;33(2):134-145.
- 61. Natafgi N, Baloh J, Weigel P, **Ullrich F**, Ward MM. Surgical Patient Safety Outcomes in Critical Access Hospitals: How Do They Compare? J Rural Health. 2017 Apr;33(2):117-126.
- 62. Wehby GL, Domingue BW, **Ullrich F**, Wolinsky FD. Genetic Predisposition to Obesity and Medicare Expenditures. J Gerontol A Biol Sci Med Sci. 2017 Dec 12;73(1):66-72.
- 63. Natafgi N, Shane DM, **Ullrich F**, MacKinney AC, Bell A, Ward MM. Using tele-emergency to avoid patient transfers in rural emergency departments: An assessment of costs and benefits. J Telemed Telecare. 2018 Apr;24(3):193-201.
- 64. Weigel P, **Ullrich F**, Ward MM. Rural Bypass of Critical Access Hospitals in Iowa: Do Visiting Surgical Specialists Make a Difference? J Rural Health. 2018; 34 Suppl 1:s21-s29.

- 65. Nattinger MC, Mueller K, **Ullrich F**, Zhu X. Financial Performance of Rural Medicare ACOs. J Rural Health. 2018; 34(1):98-102.
- 66. Zhu X, Mueller K, Huang H, **Ullrich F**, Vaughn T, MacKinney AC. Organizational Attributes Associated With Medicare ACO Quality Performance. J Rural Health. 2019 Jan;35(1):68-77. doi: 10.1111/jrh.12304. Epub 2018 May 8.
- Ward MM, Merchant KAS, Carter KD, Zhu X, Ullrich F, Wittrock A, Bell A (2018). Use Of Telemedicine For ED Physician Coverage In Critical Access Hospitals Increased After CMS Policy Clarification. Health Aff (Millwood). 2018 Dec;37(12):2037-2044. doi: 10.1377/hlthaff.2018.05103.
- 68. Weigel PA, Merchant KA, Wittrock A, Kissee J, **Ullrich F**, Bell AL, Marcin JP, Ward MM (2021). Paediatric tele-emergency care: A study of two delivery models. J Telemed Telecare. 2021 Jan;27(1):23-31. doi: 10.1177/1357633X19839610. Epub 2019 Apr 9.
- 69. Swanson MB, Miller AC, Ward MM, **Ullrich F**, Merchant KA, Mohr NM (2019). Emergency department telemedicine consults decrease time to interpret computed tomography of the head in a multi-network cohort. J Telemed Telecare. 2019 Nov 4:1357633X19877746. doi: 10.1177/1357633X19877746. [Epub ahead of print].
- Mohr NM, Campbell KD, Swanson MB, **Ullrich F**, Merchant KA, Ward MM (2020). Provider-to-provider telemedicine improves adherence to sepsis bundle care in community emergency departments. J Telemed Telecare. 2020 Jan 5:1357633X19896667. doi: 10.1177/1357633X19896667. [Epub ahead of print].
- 71. Miller AC, Ward MM, **Ullrich F**, Merchant KAS, Swanson MB, Mohr NM (2020). Emergency Department Telemedicine Consults are Associated with Faster Time-to-Electrocardiogram and Time-to-Fibrinolysis for Myocardial Infarction Patients. Telemed J E Health. 2020 Feb 28. doi: 10.1089/tmj.2019.0273. Online ahead of print.
- 72. Ward MM, Carter KD, **Ullrich F**, Merchant KAS, Natafgi N, Zhu X, Weigel P, Heppner S, Mohr NM (2020). Averted Transfers in Rural Emergency Departments Using Telemedicine: Rates and Costs Across Six Networks. Telemed J E Health. 2020 Aug 24. doi: 10.1089/tmj.2020.0080. Epub ahead of print. PMID: 32835620.
- 73. Heppner S, Mohr NM, Carter KD, **Ullrich F**, Merchant KAS, Ward MM (2021). HRSA's evidence-based tele-emergency network grant program: Multi-site prospective cohort analysis across six rural emergency department telemedicine networks. PLoS One. 2021 Jan 12;16(1):e0243211. doi: 10.1371/journal.pone.0243211. eCollection 2021. PMID: 33434197
- 74. Matthews KA, **Ullrich F**, Gaglioti AH, Dugan S, Chen MS, Hall DM. (2021). Nonmetropolitan COVID-19 incidence and mortality rates surpassed metropolitan rates within the first 24 weeks of the pandemic declaration: United States, March 1-October 18, 2020. J Rural Health. 2021 Feb 22. doi: 10.1111/jrh.12555. Online ahead of print. PMID: 33619806
- 75. Zhu X, Huang H, MacKinney AC, **Ullrich F**, Mueller K (2022). Medicare accountable care organization characteristics associated with participation in 2-sided risk. J Rural Health. 2022 May 7. doi: 10.1111/jrh.12672
- 76. Ward MM, Ullrich F, Merchant KAS, Carter KD, Bhagianadh D, Lacks M, Taylor E, Gordon J (2022). Describing Changes in Telebehavioral Health Utilization and Services Delivery in Rural School Settings in Pre- and Early Stages of the COVID-19 Public Health Emergency. J Sch Health. 2022 May;92(5):452-460. doi: 10.1111/josh.13150

- 77. Mohr NM, Schuette AR, **Ullrich F**, Mack LJ, DeJong K, Camargo CA Jr, Zachrison KS, Boggs KM, Skibbe A, Bell A, Pals M, Shane DM, Carter KD, Merchant KA, Ward MM (2022). An economic and health outcome evaluation of telehealth in rural sepsis care: a comparative effectiveness study. J Comp Eff Res. 2022 May 24. doi: 10.2217/cer-2022-0019.
- 78. Huang H, Zhu X, Ullrich F, MacKinney AC, Mueller K. (2022). The impact of Medicare shared savings program participation on hospital financial performance: An event-study analysis. Health Serv Res. 2023 Feb;58(1):116-127. doi: 10.1111/1475-6773.14085. Epub 2022 Oct 17.
- 79. Ward MM, Merchant KAS, Ullrich F, Bhagianadh D, Carter KD, Smith K, Gillette TL, Freed S, Mack LJ. (2022). Telehealth Services for Primary Care and Urgent Care to Support Rural Schools and Students. Telemed J E Health. 2022 Nov 17. doi: 10.1089/tmj.2022.0364.
- 80. Ward MM, Bhagianadh D, Ullrich F, Merchant KAS, Mena C. (2022). Overview of School-Based Telehealth Network Grant Program Services Delivered to Students in Rural Schools. J Sch Nurs. 2022 Dec 4:10598405221142498. doi: 10.1177/10598405221142498.
- 81. McCord C, Ullrich F, Merchant KAS, Bhagianadh D, Carter KD, Nelson E, Marcin JP, Law KB, Neufeld J, Giovanetti A, Ward MM. (2022). Comparison of in-person vs. telebehavioral health outcomes from rural populations across America. BMC Psychiatry. 2022 Dec 10;22(1):778. doi: 10.1186/s12888-022-04421-0.
- 82. Ward MM, Bhagianadh D, Ullrich F, Merchant KAS, Meyer CL, Wovcha S, Reyelt E. (2022). Two Teledentistry Models for the Provision of Essential Oral Health Care Services in Rural School Settings. J Dent Hyg. 2022 Dec;96(6):43-49.
- 83. Ward MM, Carter KD, Bhagianadh D, Ullrich F, Merchant KAS, Marcin JP, Law KB, McCord C, Neufeld J, Nelson EL, Shane DM. (2023). Comparison of Telehealth and In-Person Behavioral Health Services and Payment in a Large Rural Multisite Usual Care Study. Telemed J E Health. 2023 Nov;29(11):1613-1623. doi: 10.1089/tmj.2022.0445. Epub 2023 Apr 10.
- 84. Neufeld J, Ullrich F, Merchant KAS, Bhagianadh D, Carter KD, Marcin JP, Nelson EL, McCord C, Law KB, Ward MM. (2023). Change in Drug Use Disorders Identification Test Consumption (DUDIT-C) with Telehealth Treatment Compared to in-Person Treatment. Subst Use Misuse. 2023;58(9):1168-1171. doi: 10.1080/10826084.2023.2212038. Epub 2023 May 22.
- 85. Ward MM, Ullrich F, Bhagianadh D, Nelson EL, Marcin JP, Carter KD, Law KB, McCord C, Neufeld J, Merchant KAS. (2023). Telehealth and In-Person Behavioral Health Services in Rural Communities Before and During the COVID-19 Pandemic: Multisite Prospective Cohort Study. JMIR Ment Health. 2023 Sep 18;10:e47047. doi: 10.2196/47047.
- Ward MM, Bhagianadh D, Carter KD, Ullrich F, Marcin JP, McCord C, Law KB, Nelson EL, Merchant KAS. (2023). Comparison of Treatment Modality Crossovers in Telehealth and In-Person Behavioral Health Treatment in Rural Communities. Telemed J E Health. 2023 Sep 25. doi: 10.1089/tmj.2023.0220.
- 87. Mohr NM, Young T, Vakkalanka JP, Carter KD, Shane DM, Ullrich F, Schuette AR, Mack LJ, DeJong K, Bell A, Pals M, Camargo CA Jr, Zachrison KS, Boggs KM, Skibbe A, Ward MM. (2023). Provider-to-provider telehealth for sepsis patients in a cohort of rural emergency departments. Acad Emerg Med. 2023 Dec 19. doi: 10.1111/acem.14857.
- 88. Sharma H, Bin Abdul Baten R, Ullrich F, MacKinney AC, Mueller KJ. (2023). Nursing home closures and access to post-acute care and long-term care services in rural areas..J Rural Health. 2024 Jan 15. doi: 10.1111/jrh.12822.

- 89. Gadag K, Ullrich F, Mueller KJ. (2024).Profiling Social Needs Activities in Publicly Traded Medicare Advantage Organizations. Popul Health Manag. 2024 Aug 27. doi: 10.1089/pop.2024.0045.
- 90. Vakkalanka P, Young T, Carter KD, Ullrich F, Ward MM, Mohr NM. (2025).Permissive Telehealth State Licensure Policies Are Associated with Increased Telehealth Utilization.Telemed J E Health. 2025 May 12. doi: 10.1089/tmj.2025.0089. Online ahead of print. PMID: 40354295

2. Non-Peer-Reviewed Papers (reports, proceedings, etc.)

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C. Presentations

1. Invited Presentations

<u>Date</u>	<u>Title</u>	<u>Organization</u>	Presentation Type
5/2016	An overview of healthcare workforce needs in lowa and state programs assisting recruitment and retention	Iowa Rural Health Association	Invited Presentation
4/2019	Veterans Choice Program: Lessons About Access-to-Care Challenges for Rural Veterans	Veterans Rural Health Advisory Committee	Invited Presentation
1/2021	COVID-19: The Rural Story	Washington University COVID Social Determinants of Health Working Group	Invited Presentation
10/2021	COVID-19 in Rural America	Iowa Famers Union	Monthly Webinar
10/2021	COVID-19 Deaths in Rural America	C-SPAN Washington Journal	Live interview and viewer call-in

2. Other Presentations

			<u>Presentation</u>
<u>Date</u>	<u>Title</u>	<u>Organization</u>	<u>Type</u>
12/2010	Data Resources for Health Services Research	University of Iowa	Seminar
1/2011	Can You See Your Patient-Centered Medical Home From Here?	University of Iowa	Seminar
4/2011	Finding Secondary Data Sources for Research	University of Iowa	Seminar
8/2011	Procedures for Data Insight	University of Iowa	Seminar
8/2012	Procedures for Data Insight	University of Iowa	Seminar
8/2013	Procedures for Data Insight	University of Iowa	Seminar
4/2014	Quick and Dirty Doesn't Have to be Big and Ugly: Pretty SAS Output	University of Iowa	Seminar
8/2014	Procedures for Data Insight	University of Iowa	Seminar
8/2015	Procedures for Data Insight	University of Iowa	Seminar
8/2016	Introduction to SAS	University of Iowa	Seminar
9/2016	Data Management: Where to Start?	University of Iowa	Seminar
2/2017	Geography 308	University of Iowa	Seminar
2/2017	Introduction to SAS	Uofl College of Business Analytics Interest Group	Seminar

8/2017	Introduction to SAS	University of Iowa	Seminar
9/2017	Ten Years of Medicare Part D and Rural Pharmacies	University of Iowa	Seminar
8/2018	Introduction to SAS	University of Iowa	Seminar
9/2018	Secondary Data Resources for Health Services and Policy Research	University of Iowa	Seminar
8/2017	Introduction to SAS	University of Iowa	Seminar
2/2019	Introduction to SAS	Uofl College of Business Analytics Interest Group	Seminar
8/2019	Get Rural?	University of Iowa	Seminar
4/2021	COVID-19: The Rural Story	Washington University COVID-19 Social Determinants of Health Working Group	Seminar
10/2021	The COVID-19 Pandemic in Rural America	University of Iowa	Seminar
10/2021	COVID-19 Impacts in Rural America	Iowa Farmers Union	Webinar
11/2022	It's not Easy Being a Rural Pharmacy: Services, Payments, Closures, and Deserts	Rural Health Research Gateway	Webinar
8/2024	Introduction to SAS	University of Iowa	Seminar
9/2024	Update on The Definition of "Rural"	University of Iowa	Seminar

III. SERVICE

A. Organizations

Organizations				
<u>Year</u>	<u>Organization</u>	<u>Position</u>		
2010-2011	College of Public Health Staff Council	Member		
2011-2013	College of Public Health Staff Council	Chair		
2011-present	University of Iowa SAS Users Group Steering Committee	Member		
2014-present	Association of Public Data Users	Member		
2016	University of Iowa LEAD (Leadership Education, Assessment, and Development) Intercollegiate Cohort	Participant		
2021	UI Dept. of Health Management and Policy, DEO Search Committee	Member		
2021	UI College of Public Health, Assoc. Dean for Research Search Committee	Member		