

**Edwin S. Wong, PhD, MA**  
**Curriculum Vitae**

**1. Biographical Information**

Edwin Suey Wong  
Department of Veterans Affairs, Puget Sound Health Care System  
Center of Innovation for Veteran-Centered and Value-Driven Care  
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Citizenship: United States

**2. Education**

Ph.D. Economics	University of Washington	2005-2010
M.A. Economics	University of Washington	2005-2008
B.S. Computer Science	Texas Christian University	2000-2004

**3. Licensure**

Not applicable

**4. Professional Positions**

a) Academic Positions

2019-Present:	Research Associate Professor, University of Washington, Department of Health Services, Seattle, WA
2013-Present:	Core Investigator, Department of Veterans Affairs Puget Sound Health Care System, Center of Innovation for Veteran-Centered and Value-Driven Care, Seattle, WA
2015-2019:	Research Assistant Professor, University of Washington, Department of Health Services, Seattle, WA
2013-2018:	Research Career Development Awardee, Department of Veterans Affairs, Health Services Research and Development (VA HSR&D)
2010-2013:	Postdoctoral Fellow, VA HS&RD, Seattle, WA

2010-2013: Senior Fellow, University of Washington, Department of Health Services, Seattle, WA  
 2010: Research Associate, University of Washington, Department of Pharmacy, Seattle, WA  
 2007-2010: Instructor, University of Washington, Department of Economics, Seattle, WA

b) Other Affiliations

2020-Present: Member, Value and Systems Science Lab, Division of General Internal Medicine, University of Washington  
 2019-Present: Affiliate Researcher, Kaiser Permanente Washington Health Research Institute, Seattle, WA  
 2018-Present: Member, Center for Health Innovation and Policy Science, Department of Health Services, University of Washington  
 2018-Present: Member, Collaborative on Obesity Research and Action, University of Washington

## 5. Honors, Awards and Scholarships

### Professional Societies

Best Abstract, Improving Safety, Quality and Value Theme, 2020 AcademyHealth Annual Research Meeting  
 Best Abstract, Organizational Behavior and Management Theme, 2018 AcademyHealth Annual Research Meeting

### University of Washington

James K. Hall Fellowship & Howard H. Preston Scholarship – 2005 to 2006  
 Buechel Memorial Scholarship – 2008  
 Ensley Fellowship – 2009  
 Labor Economics Best Paper Award – 2009

### Texas Christian University

Outstanding Senior Research Award – 2004  
 Senior Scholar in Computer Science – 2004

## 6. Bibliography

a) Refereed research articles: published or accepted for publication (\*graduate thesis advisor, \*\*graduate thesis committee member, \*\*\*other mentee)

1. Li YF, **Wong ES**, Sales AE, Sharp ND, Needleman J, Maciejewski ML, Lowy E, Alt-White AC, Liu CF. "Nurse Staffing and Patient Care Costs in Acute Inpatient Nursing Units." *Medical Care*, Aug 2011; 49(8): 708-715.
2. **Wong ES**, Lucia K, Price S, Startz R. "The Changing Relation Between the Canadian and U.S. Yield Curves." *Journal of International Money and Finance*, Sep 2011; 30(6): 965-981.

3. **Wong ES**, Wang BCM, Garrison LP, Alfonso R, Flum DR, Arterburn DE, Sullivan SD. "Examining the BMI-Mortality Relationship using Fractional Polynomials" *BMC Medical Research Methodology*, Dec 2011; 11(175).
4. **Wong ES**, Piette J, Liu CF, Perkins M, Maciejewski ML, Jackson GL, Blough DK, Fihn SD, Au DH, Bryson CL. "Facility-Level Measures of Adherence to Oral Hypoglycemic Agents: The Role of Risk Adjustment." *Medical Care*, Jul 2012; 50(7): 591-598.
5. **Wong ES**, Wang BCM, Alfonso R, Flum DR, Sullivan SD, Garrison LP, Arterburn DE. "Estimating BMI Trajectories among the Severely Obese: Results from an Electronic Medical Record Population." *Obesity*, Oct 2012; 20(10): 2107-2112.
6. Kocarnik BM, Liu CF, **Wong ES**, Perkins M, Maciejewski ML, Yano EM, Au DH, Piette JD, Bryson CL. "Do Pharmacists Improve Diabetes Medication Adherence in Primary Care Clinics?" *BMC Health Services Research*, Nov 2012; 12(391).
7. **Wong ES**. "Gender Preference and Transfers from Parents to Children: An Inter-Regional Comparison." *International Review of Applied Economics*, Jan 2013; 27(1): 61-80.
8. **Wong ES**, Liu CF. "The Relationship between Local Labor Market Conditions and the Use of Veterans Affairs Health Services." *BMC Health Services Research*, Mar 2013; 13(96).
9. Bryson CL, Au DH, Maciejewski ML, Blough DK, Piette JD, Fihn SD, Jackson GL, Perkins M, **Wong ES**, Liu CF. "Wide Clinic-Level Variation in Adherence to Oral Diabetes Medications in the VA." *Journal of General Internal Medicine*, May 2013; 28(5): 698-705.
10. Lin VW, **Wong ES**, Garrison LP, Flum DR, Wright A, Alfonso-Cristancho R, Sullivan SD. "Association between Health-Related Quality of Life and Body Mass After Adjustable Gastric Banding: A Nonlinear Approach." *Value in Health*, Jul 2013; 16(5): 823-829.
11. **Wong ES**, Maciejewski ML, Perkins M, Liu CF. "Association between Copayment Increases and Medication Adherence: Differences by Race." *Journal of Health Care for the Poor and Underserved*, Aug 2013; 24(3): 1317-1330.
12. Kwon SK, Wang BCM, He H, **Wong ES**, Alfonso R, Sullivan SD, Flum DR. "The Impact of Accreditation on Safety and Cost of Bariatric Surgery." *Surgery for Obesity and Related Diseases*, Sep 2013; 9(5): 617-622.
13. **Wong ES**, Hebert PL, Hernandez SE, Batten A, Lo S, Lemon JM, Fihn SD, Liu CF. "Association between Local Area Unemployment Rates and Use of VA Outpatient Health Services." *Medical Care*, Feb 2014; 52(2): 137-143.
14. Wang BCM, **Wong ES**, Alfonso R, Garrison LP, Arterburn DE, Flum DR, Sullivan SD. "Cost-Effectiveness of Bariatric Surgical Procedures for the Treatment of Severe Obesity." *European Journal of Health Economics*, Apr 2014; 15(3): 253-263.
15. Hebert PL, Liu CF, **Wong ES**, Hernandez SE, Batten A, Lo S, Lemon JM, Conrad D, Grembowski D, Nelson KM, Fihn SD. "The Economic Effects and Return on Investment of the Veterans Health Administration's Patient Centered Medical Home Initiative, 2010 through 2012." *Health Affairs*, Jun 2014; 33(6): 980-987.

16. **Wong ES**, Hebert PL, Maciejewski ML, Perkins M, Bryson CL, Au DH, Liu CF. "Association between Medicare Advantage Coverage and Hospital Readmission among Veterans Affairs Enrollees." *Medical Care Research and Review*, Aug 2014; 71(4): 367-383.
17. **Wong ES**, Bryson CL, Hebert PL, Liu CF. "Estimating the Impact of Oral Diabetes Medication Adherence on Health Care Costs in VA." *Annals of Pharmacotherapy*, Aug 2014; 48(8): 978-985.
18. Nelson KM, Helfrich CD, Sun H, Hebert PL, Liu CF, Dolan E, Taylor L, **Wong ES**, Maynard C, Hernandez SE, Sanders W, Randall I, Curtis I, Schectman G, Stark R, Fihn SD. "Implementation of the Patient Centered Medical Home in the Veterans Health Administration: Associations with Patient Satisfaction, Provider Burnout and Utilization." *JAMA Internal Medicine*, Aug 2014; 174(8): 1350-1358.
19. **Wong ES**, Maciejewski ML, Hebert PL, Bryson CL, Liu CF. "Massachusetts Health Reform and Veterans Affairs Health System Enrollment." *American Journal of Managed Care*, Aug 2014; 20(8): 629-636.
20. Hsu C, Lemon JM, **Wong ES**, Perkins M, Nordstrom MS, Liu CF, Carson-Cheng E, Bryson CL. "Factors Affecting Medication Adherence: Patient Perspectives from Five VA Facilities." *BMC Health Services Research*, Nov 2014; 14(533): 1-9.
21. Sylling P, **Wong ES**, Liu CF, Hernandez SE, Batten A, Helfrich CD, Nelson KN, Fihn SD, Hebert PL. "Patient-Centered Medical Home Implementation and Primary Care Provider Turnover." *Medical Care*, Dec 2014; 52(12): 1017-1022.
22. Rinne ST, **Wong ES**, Lemon JM, Perkins M, Bryson CL, Liu CF. "Patient Satisfaction Survey Non-Responders Incurred Higher Medical Utilization and Lower Medication Adherence." *American Journal of Managed Care*, Feb 2015; 21(1): e1-e8.
23. **Wong ES**. "Marital Bargaining in Life Insurance Purchases: Evidence from the Health and Retirement Study." *Review of Economics of the Household*, Jun 2015; 13(2): 243-268.
24. **Wong ES**, Hebert PL, Nelson KM, Hernandez SE, Sylling PW, Fihn SD, Liu CF. "Local Area Unemployment and the Demand for Inpatient Care among Veterans Affairs Enrollees." *Medical Care Research and Review*, Aug 2015; 72(4): 468-480.
25. Rinne ST, **Wong ES**, Hebert PL, Au DH, Neely EL, Sulc CA, Liu CF. "Weekend Discharges and Length of Stay among Veterans Admitted for Chronic Obstructive Pulmonary Disease." *Medical Care*, Sep 2015; 53(9): 753-757.
26. Hernandez SE\*\*\*, Taylor L, Grembowski D, Reed R, **Wong ES**, Nelson KM, Liu CF, Fihn SD, Hebert PL. "A First Look at PCMH Implementation for Minority Veterans: Room for Improvement." *Medical Care*, Mar 2016; 54(3): 253-261.
27. Rinne ST, Liu CF, **Wong ES**, Hebert PL, Heidenreich P, Au DH. "Organizational Structure for Chronic Heart Failure and Chronic Obstructive Pulmonary Disease." *American Journal of Managed Care*, Feb 2016; 22(3): e82-e87.

28. **Wong ES**, Wang V, Liu CF, Hebert PL, Maciejewski ML. "Do Veterans Health Administration Enrollees Generalize to Other Populations?" *Medical Care Research and Review*, Aug 2016; 73(4): 493-507.
29. **Wong ES**, Rinne ST, Hebert PL, Cook MA, Liu CF. "Hospital Distance and Readmissions among VA-Medicare Dual Eligible Veterans." *Journal of Rural Health*, Fall 2016; 32(4): 377-386.
30. Bouldin ED\*\*\*, Littman AJ, **Wong ES**, Liu CF, Taylor L, Rice K, Reiber GE. "Medicare-VHA Dual System Use is Associated with Poorer Chronic Wound Healing." *Wound Repair and Regeneration*, Sep/Oct 2016; 24(5): 913-922.
31. **Wong ES**, Rosland AM, Fihn SD, Nelson KM. "Implementation of the Veterans Health Administration Patient Centered Medical Home Initiative and Primary Care Use: Differences by Patient Comorbidity Burden." *Journal of General Internal Medicine*, Dec 2016; 31(12): 1467-1474.
32. Schure MB, Katon J, **Wong ES**, Liu CF. "Food and Housing Insecurity and Health Status among U.S. Adults With and Without Prior Military Service." *Social Science and Medicine – Population Health*, Dec 2016; 2: 244-248.
33. Hebert PL, Howell EA, **Wong ES**, Hernandez SE, Rinne ST, Sulc CA, Neely EL, Liu CF. "Methods for Measuring Racial Differences in Hospital Outcomes Attributable to Disparities in Access to High-Quality Hospital Care." *Health Services Research*, Apr 2017; 52(2): 826-848.
34. Rinne ST, Hebert PL, **Wong ES**, Au DH, Bastian LA, Cleary PD, Nembhard IM, Neely EL, Sulc CA, Liu CF. "Organizational Practices Affecting Chronic Obstructive Pulmonary Disease Readmissions." *American Journal of Respiratory and Critical Care Medicine*, May 2017; 195(9): 1269-1272.
35. Bouldin ED\*\*\*, **Wong ES**, Liu CF, Littman AJ, Taylor L, Rice K, Reiber GE. "Chronic Wound Care Utilization among Veterans using VHA and Medicare." *Wound Medicine*, Jun 2017; 17(1): 1-6.
36. Rinne ST, Elwy AR, Bastian LA, **Wong ES**, Wiener RS, Liu CF. "Impact of Multisystem Healthcare on Readmission and Follow-up Among Veterans Hospitalized for Chronic Obstructive Pulmonary Disease." *Medical Care*, Jul 2017; 55(7 Suppl 1): 20-25.
37. Rinne ST, Graves MC, Bastian LA, Lindenauer PK, **Wong ES**, Hebert PL, Liu CF. "Association of Chronic Obstructive Pulmonary Disease Length of Stay and Readmission Rates." *American Journal of Managed Care*, Aug 2017; 23(8): e253-e258.
38. Johnson VT\*\*, **Wong ES**, Lampman M, Curtis I, Forney JC, Kaboli PJ, Fihn SD, Nelson KM. "Comparing Patient-Centered Medical Home Implementation in Urban and Rural VHA Clinics: Results from the Patient Aligned Care Team Initiative." *Journal of Ambulatory Care Management*, Jan/Mar 2018; 41(1): 47-57.
39. **Wong ES**, Maciejewski ML, Hebert PL, Batten AJ, Nelson KM, Fihn SD, Liu CF. "Did Massachusetts Health Reform Increase Veterans Affairs Primary Care Use?" *Medical Care Research and Review*, Feb 2018; 75(1): 33-45.

40. Meo N, **Wong ES**, Bryson CL, Sun H, Curtis I, Gupta I, Batten AJ, Fihn SD, Nelson KM. "Elements of the Patient-Centered Medical Home in the Veterans Health Administration are Associated with Increased Medication Adherence." *Population Health Management*, Apr 2018; 21(2): 116-122.
41. Augustine MR\*, Nelson KM, Fihn SD, **Wong ES**. "How Are Patients Accessing Primary Care Within the Patient-Centered Medical Home? Results From the Veterans Health Administration." *Journal of Ambulatory Care Management*, Jul/Sep 2018; 41(3): 194-203.
42. Rosland AM, **Wong ES**, Maciejewski ML, Zulman D, Piegeri RI, Fihn SD, Nelson KM. "Patient-Centered Medical Home Implementation and Improved Chronic Disease Quality: A Longitudinal Observational Study." *Health Services Research*, Aug 2018; 53(4): 2503-2522.
43. **Wong ES**, Liu CF, Hernandez SE, Augustine MR, Nelson KM, Fihn SD, Hebert PL. "Longer Wait Times Affect Future Use of VHA Primary Care." *Healthcare*, Sep 2018; 6(3): 180-185.
44. Hebert PL, Batten AJ, Gunnink E, Reddy A, **Wong ES**, Fihn SD, Liu CF. "Reliance on Medicare-providers by Veterans After Becoming Age-Eligible for Medicare is Associated with Use of More Outpatient Services." *Health Services Research*, Dec 2018; 53(S3): 5159-5180.
45. Liu CF, Batten AJ, **Wong ES**, Fihn SD, Hebert PL. "Fee-for-Service Medicare-Enrolled Elderly Veterans Are Increasingly Voting with Their Feet to Use More VA and Less Medicare, 2003-2014." *Health Services Research*, Dec 2018; 53(S3): 5140-5158.
46. Reddy A, **Wong ES**, Canamucio A, Nelson KM, Yoon J, Fihn SD, Werner RM. "Association between Continuity and Team-Based Care and Health Care Utilization: An Observational Study of Medicare-Eligible Veterans in VA Patient Aligned Care Team." *Health Services Research*, Dec 2018; 53(S3): 5201-5218.
47. **Wong ES**, Yoon J, Piegarri RI, Rosland AM, Fihn SD, Chang ET. "Identifying Latent Subgroups of High Risk Patients Using Risk Score Trajectories." *Journal of General Internal Medicine*, Dec 2018; 33(12): 2120-2126.
48. Trivedi RB, Sylling PW, Post EP, **Wong ES**, Mori AM, Fihn SD, Nelson KM. "Comparing Preventable Hospitalizations Among Veterans With and Without Mental Illnesses Before and After Implementation of PACT." *Psychiatric Services*, Dec 2018; 69(12): 1252-1258.
49. **Wong ES**, Maciejewski ML, Hebert PL, Fortney JC, Liu CF. "Spillover Effects of Massachusetts Health Reform on Mental Health Use by VA and Medicare Dual Enrollees." *Administration and Policy in Mental Health and Mental Health Services Research*, Mar 2019; 46(2): 145-153.
50. Adams SV, Mader MJ, Bollinger MJ, **Wong ES**, Hudson TJ, Littman AJ. "Utilization of Interactive Clinical Video Telemedicine by Rural and Urban Veterans in VA." *Journal of Rural Health*, Summer 2019, 35(3): 308-318.

51. **Wong ES**, Maciejewski ML, Hebert PL, Reddy A, Liu CF. "Predicting Primary Care Use Among Patients in a Large Integrated Health System: The Role of Patient-Reported Experience Measures." *Medical Care*, Aug 2019, 57(8): 608-614.
52. Augustine MR\*, Nelson KM, Fihn SD, **Wong ES**. "Patient-Reported Access in the Patient-Centered Medical Home and Avoidable Hospitalizations: an Observational Analysis of the Veterans Health Administration." *Journal of General Internal Medicine*, Aug 2019, 34(8): 1546-1553.
53. Chang E, Piegari RI, **Wong ES**, Rosland AM, Fihn SD, Vijan S, Yoon J. "Which Patients Are Persistently High-Risk for Hospitalization?" *American Journal of Managed Care*, Sep 2019, 25(9): e274-e281.
54. Schuttner L\*, Reddy A, Rosland AM, Nelson KM, **Wong ES**. "Association of the Implementation of the Patient-Centered Medical Home with Quality of Life in Patients with Multimorbidity." *Journal of General Internal Medicine*, Jan 2020, 35(1): 119-125.
55. **Wong ES**, Schuttner L\*, Reddy A. "Do Machine Learning Models Improve Prediction of VA Primary Care Reliance?" *American Journal of Managed Care*, Jan 2020, 26(1): 40-44.
56. Liu CF, Hebert PL, Maynard C, **Wong ES**, Nelson KM. "Midlife Mortality in Male Veterans Enrolled in Department of Veterans Affairs Primary Care, 2003-2014." *Heliyon*, Jan 2020, 6(1): e03328.
57. Reddy A, Gunnink E, Taylor L, **Wong ES**, Batten AJ, Fihn SD, Nelson KM. "Association of High-Cost Health Care Utilization With Longitudinal Changes in Patient-Centered Medical Home Implementation." *JAMA Network Open*, Feb 2020, 3(2): e1920500.
58. Hernandez SE, Sylling PW, Mor MK, Fine MJ, **Wong ES**, Nelson KM, Clinton WL, Liu CF, Batten AJ, Fihn SD, Hebert PL. "Developing an Algorithm for Combining Race and Ethnicity Data Sources in the Veterans Health Administration." *Military Medicine*, Mar-Apr 2020, 185(3-4), e495-e500.
59. Augustine MR\*, Nelson KM, **Wong ES**. "Low and Higher Wage Workers Report No Differences in Four Barriers to Primary Care Access." *Population Health Management*, Apr 2020, 23(2): 115-123.
60. Liu CF, Hebert PL, Douglas J, Neely EL, Sulc CA, Reddy A, Sales AE, **Wong ES**. "Outcomes of Primary Care Delivery by Nurse Practitioners: Utilization Costs and Quality of Care." *Health Services Research*, Apr 2020, 55(2): 178-189.
61. Rinne ST, Mohr DC, Swamy L, Blok A, **Wong ES**, Charns MP. "National Burnout Trends Among Physicians Working in the Department of Veterans Affairs." *Journal of General Internal Medicine*, May 2020, 35(5): 1382-1388.
62. **Wong ES**, Oddo VM, Jones-S. "Are Housing Prices Associated with Food Consumption?" *International Journal of Environmental Research and Public Health*, May 2020; 17(11): 3882.

63. Hebert PL, **Wong ES**, Reddy A, Gunnink E, Nelson KM. "Events Associated With Changes in Reliance on the Veterans Health Administration Among Medicare-eligible Veterans." *Medical Care*, Aug 2020; 58(8): 710-716.
64. **Wong ES**, Guo R, Yoon J, Zulman DZ, Asch SM, Ong MK, Chang ET. "Impact of VHA's Primary Intensive Care Management Program on Dual System Use." *Healthcare: The Journal of Innovation and Delivery Science*, Sep 2020, 8(3):100450.
65. Schuttner L\*, **Wong ES**, Rosland AM, Nelson KM, Reddy A. "Association of Patient-Centered Medical Home Implementation with Chronic Disease Quality in Patients with Multimorbidity." *Journal of General Internal Medicine*, Oct 2020; 35(10): 2932-2938.
66. Moldestad M, Greene PA, Sayre GG, Neely EL, Sulc CA, Sales AE, Reddy A, **Wong ES**, Liu CF. "Comparable, but Distinct: Perceptions of Primary Care Provided by Physicians and Nurse Practitioners in Full and Restricted Practice Authority States", *Journal of Advanced Nursing*, Nov 2020; 76(11): 3092-3103.
67. Schuttner L\*, Reddy A, White AA, **Wong ES**, Liao JM. "Quality in the Context of Value: Reliability of Quality Metrics in an Academic Health System Shifting Towards Value-Based Payments." *American Journal of Medical Quality*, Dec 2020; 35(6): 465-473.
68. Duan KI\*, Spece LJ, **Wong ES**, Feemster LC, Donovan LM, Griffith MF, Keller TL, Bryant A, Au DH. "Low-value Inhaled Corticosteroid Prescription in Chronic Obstructive Pulmonary Disease and the Association with Health Care Utilization and Costs." *Annals of the American Thoracic Society*, Jun 2021; 18(6): 989-996.
69. Hoerster KD, Tanksley L, Sulayman N, Bondzie J, Brier M, Damschroder L, Coggeshall S, Houseknecht D, Hunter-Merrill R, Saelens B, Sayre G, Simpson T, Unutzer J, **Wong ES**, Nelson KM. "Testing a Tailored Weight Management Program for Veterans with PTSD: the MOVE!+UP Hybrid Type 1 Randomized Controlled Trial." *Contemporary Clinical Trials*, Aug 2021; 107: 106487.
70. Reddy A, Nelson KM, **Wong ES**. "Primary Care Spending in the Veterans Health Administration in 2014 and 2018." *JAMA Network Open*, Jul 2021; 4(7): e2117533.
71. **Wong ES**, Done N, Zhao M, Woolley AB, Prentice JC, Mull HJ. "Comparing Total Medical Expenditure Between Patients Receiving Direct Oral Anticoagulants versus Warfarin for the Treatment of Atrial Fibrillation: Evidence from the VA." *Journal of Managed Care and Specialty Pharmacy*, Aug 2021; 27(8): 1056-1066.
72. Mohr DC, Swamy L, **Wong ES**, Mealer M, Moss M, Rinne ST. "Critical Care Nurse Burnout in Veterans Health Administration: Trends and Relationship with Clinician and Patient Outcomes." *American Journal of Critical Care*, Nov 2021; 30(6): 435-442.
73. Schuttner L\*\*, Haraldsson B, Maynard C, Reddy A, Nelson K, Parikh T, **Wong ES**. "Factors Associated with Low Value Cancer Screenings in the Veterans Health Administration." *JAMA Internal Medicine*, Oct 2021; 4(10):e2130581.
74. Duan KI, Helfrich CD, Rao SV, Neely EL, Sulc CA, Naranjo D, **Wong ES**. "Cost Analysis of a Coaching Intervention to Increase Use of Transradial Percutaneous Coronary Intervention." *Implementation Science Communications*, Oct 2021; 2:123.



75. Sterling RA, Rinne ST, Reddy A, Moldestad MM, Kaboli PJ, Helfich CD, Henrikson NA, Nelson KM, **Wong ES**. "Identifying and Prioritizing Workplace Climate Predictors of Burnout among VHA Primary Providers." *Journal of General Internal Medicine*, Jan 2022, 37(1): 87-94.
76. Fortney JC, Rajan S, Reisinger H, Moeckli J, Nolan JP, **Wong ES**, Rise P, Hughes J, Pyne JM, Simek-Duran F, Grubaugh A, Grubbs K, Morland L, Felker B, Schnurr P. Deploying Telemedicine Collaborative Care Intervention for PTSD in the Department of Veterans Affairs: A Stepped Wedge Evaluation of an Adaptive Implementation Strategy. *General Hospital Psychiatry*, Jul-Aug 2022, 77(2022): 109-117.
77. Moldestad MM, Sayre GG, Mao JK, Reddy A, Henrikson NA, Sterling RA, Kaboli PJ, Rinne ST, **Wong ES**. "Perspectives on Training and Working in the VHA: Implications for Primary Care Physician Recruitment and Retention." *Academic Medicine*, Aug 2022, 97(8): 1175-1183.
78. Zhang IY, **Wong ES**, Flum DR, Rosen J, Gordon DB, Terman GW, Liao JM. "Association Between a Statewide Medicaid Opioid Policy and Postoperative Opioid Prescribing among Surgeons at a Large Safety-Net Hospital". *Journal of the American College of Surgeons*, Sep 2022, 235(3): 519-528.
79. Duan KI, **Wong ES**, Liao JM, Sabbatini AK, Au DH. "Long-Term Trends in Respiratory Durable Medical Equipment among Medicare Patients, 2013-2019." *American Journal of Respiratory and Critical Care Medicine*, Aug 15 2022, 206(4): 509-511.
80. **Wong ES**, Rajan S, Liu CF, Morland LA, Pyne JM, Simsek-Duran F, Reisinger HS, Moeckli J, Fortney JC. "Economic Costs of Implementing Evidence-Based Telemedicine Outreach for Post-Traumatic Stress Disorder in VA." *Implementation Research and Practice*, Jan-Dec 2022, 3(2022).
81. Sterling RA, Liu CF, Hebert PL, Fortney JC, Swankoski KE, Katon JG, **Wong ES**. "How did Veterans' Reliance on VA Outpatient Care Change After Expansion of the Community Care Program?" *Medical Care*, Oct 2022, 60(10): 784-791.
82. Swankoski KE, Fishman PA, Chi D, **Wong ES**. "Effects of Medicaid Expansion on Self-Reported Use of Dental Services in Socioeconomically Vulnerable Subgroups." *Journal of Public Health Dentistry*, in press, doi: 10.1111/jphd.12473.
83. Schuttner LS, Guo R, **Wong ES**, Jimenez E, Klein M, Roy S, Rosland AM, Chang ET. "Patient Experience in an Intensive Primary Care Management Program for High-Risk Patients in the Veterans Health Administration." *Journal of Ambulatory Care Management*, in press, doi: 10.1097/JAC.0000000000000428.
84. O'Shea AMJ, Haraldsson B, Shahnaz A, Sterling RA, **Wong ES**, Kaboli PJ. "A Novel Gap Staffing Metric for Primary Care Provider Staffing and Implications for Urban and Rural Clinics." *Journal of Ambulatory Care Management*, doi: 10.1097/JAC.0000000000000429.
85. Blalock D, Pura J, Dennis P, Maciejewski ML, Stechuchak K, Smith VA, Hung A, Hoerster KD, **Wong ES**. "BMI Trends for Veterans up to 10 Year after VA Enrollment following Military Discharge." *Journal of General Internal Medicine*, in press.

86. O'Connor AW, Helfrich CD, Nelson KM, Sears JM, Singh H, **Wong ES**. "Changes in Electronic Notification Volume and Primary Care Provider Burnout." *American Journal of Managed Care*, in press.

b) Other refereed published scholarly publications

1. Au DH, **Wong ES**. "Use of Intensive Care and Healthcare Reform: More Questions Following the Massachusetts Experience." *Critical Care Medicine*, Apr 2014; 42(4): 970-971.

c) Other non-refereed published scholarly publications

1. Hebert PL, Liu CF, **Wong ES**, Fihn SD. "Return on Investment in VA PACT Implementation; Preliminary Report to the Office of the Secretary of Veterans Affairs," Feb 2013.

2. **Wong ES**. "Developing an Event-Driven Generator for User Interfaces in the Entero Software." SAND Technical Report, Sandia National Laboratories, Aug 2002.

3. **Wong ES**, Burnell LJ. "Integrating Jess and Java in a Student Advising Expert System." *PCAI Magazine*, January 2004; 17(4): 18-25.

4. **Wong ES**, Burnell LJ, Hannon CR. "An Active Architecture for Managing Events in Pervasive Computing Environments." Proceedings of 2004 Florida Artificial Intelligence Research Society Conference, 405-410, May 2004.

## 7. Funding History

a) Funded Projects

Funding Source/Grant #	Title of Project	Role	Dates	Total Direct Amount
NIAAA 1R21AA030058-01 (Co-PIs: Wong/Glass)	Multi-level Influences of Alcohol Based Care Quality Measures	Co-Principal Investigator	9/13/2022-9/12/2024	\$281,351
Univ. of Wash Pop Health Initiative Unnumbered (Co-PIs: Reddy/Wong)	Equity Among American Indian, Alaska Native, Native Hawaiian, Pacific Islander communities under COVID-19 Telehealth Policy	Co-Principal Investigator	08/01/2022-01/31/2024	\$145,000
Foundation for Healthcare Quality Unnumbered (PI: Wong)	Economic Impacts of a State-Wide Cardiac Quality Improvement Program	Principal Investigator	04/01/2021-08/31/2023	\$26,416
VA HSR&D IIR 17-222 (Co-PIs: Wong)	Measuring the Longitudinal Relationships between Obesity, Weight Management Intervention and Medical Expenditure	Co-Principal Investigator	06/01/2019-05/31/2023	\$1,065,463

Maciejewski/ Wong)				
VA HSR&D IIR 18-019 (PI: Wong)	Measuring the Value of Improving Access to Community Care	Principal Investigator	06/01/2019- 05/30/2022	\$871,073
VA HSR&D SDR 21-274 (PI: Reddy)	COVID-19 Preventive Health Inventory: Evaluating a Primary Care Approach to Catching-Up on Needed Chronic and Preventive Care for Veterans	Co- Investigator	10/1/2022- 09/30/2024	\$699,346
VA QUERI QUE 20-007 (PI: Fortney)	Implementation of Technology Facilitated Evidence Based Practices to Improve Access to High Quality Care for Rural Veterans	Co- Investigator	10/1/2020- 9/30/2025	\$4,088,050
VA QUERI PEC 21-280 (Co-PIs: Rinne/Sayre)	Strengthening Cerner Implementation for Health Professions Trainees to Optimize Learning and Reinforce Veteran Care (SCHOLAR)	Co- Investigator	10/1/2021- 9/30/2024	\$1,190,633
VA HSR&D C19 21-278 C19 21-279	COVID-19 Outcomes Resource Center	Co- investigator	5/1/2021- 4/30/2024	\$3,369,599
VA HSR&D IIR 18-230 (PI: Hoerster)	MOVE!+UP: Testing a Tailored Weight Management Program for Veterans with PTSD	Co- Investigator	10/1/2020- 9/30/2024	\$1,111,100
NIDA 1R01DA047954 (Glass)	Digital Treatments for Opioids and Other Substance Use Disorders (DIGITS) in Primary Care: A Hybrid Type-III Implementation Trial	Co- Investigator	04/01/2019- 03/31/2024	\$2,463,437
Patient Care Services, Veterans Health Administration XVA 61-041 (Nelson)	Primary Care Analytics Team	Health Economist	10/1/2019- 9/30/2022	\$1,300,000/ yr
VA HSR&D IIR 15-363 (Wong)	Identifying Value-Driven Approaches to Strengthening the VA Physician Workforce	Principal Investigator	3/1/2018 - 2/28/2022	\$1,094,948
VA HSR&D IIR 15-362 (PI: Helfrich)	Implementation Trial of a Coaching Intervention to Increase Use of Transradial PCI	Co- Investigator	2/1/2018 - 7/31/2021	\$1,179,264
VA HSR&D SDR 19-235 (PI: Hebert)	Patient Incentives for Reducing No- Shows, Accommodating Walk-in Visits, and Improving Primary Care Work Flow	Co- Investigator	10/1/2019- 3/31/2021	\$197,999
AHRQ 5T32HS013853 (PI: Weiner)	Health Services Research Training at the University of Washington	Mentor	7/1/2015- 6/30/2023	\$395,265/yr
VA Office of Primary Care Services	Patient Aligned Care Teams Intensive Management National Evaluation Center	Health Economist	10/1/2019- 9/30/2020	\$3,000,000/ yr

XVA 65-054 (PI: Chang)				
VA QUERI	Implementing and Evaluating Technology Facilitated Clinical Interventions to Improve Access to High Quality Specialty Care for Rural Veterans	Co- Investigator	10/1/2015- 9/30/2020	\$905,625
QUE 15-282 (PI: Fortney)				
VA Office of Rural Health	Virtual Integrated Multisite Patient Aligned Care Team Comprehensive Evaluation and Review	Health Economist	7/1/2017- 9/30/2019	\$1,320,000
Unnumbered contract (PI: Ho)				
VA HSR&D	Cost-Effectiveness of Dabigatran and Warfarin for Veterans with Afib	Co- Investigator	10/1/2016 – 9/30/2019	\$887,334
IIR 15-139 (PI: Mull)				
Patient Care Services, Veterans Health Administration	PACT Demonstration Lab Coordinating Center	Health Economist	4/1/2010- 9/30/2019	\$1,300,000/ yr
XVA 61-041 (PI: Nelson)				
VA Office of Primary Care Services	Patient Aligned Care Teams Intensive Management National Evaluation Center	Health Economist	10/1/2013 – 9/30/2019	\$750,000/ yr
XVA 65-054 (PI: Chang)				
VA HSR&D	Economic Impact of Dual Use and Patient Choice in Primary Care	Principal Investigator	9/1/2013 - 8/31/2018	\$752,577
CDA 13-024 (PI: Wong)				
VA HSR&D	Optimizing the Value of Primary Care Delivered by Nurse Practitioners	Co- Investigator	12/1/2014- 5/31/2018	\$1,031,639
IIR 14-054 (PI: Liu)				
Office of Rural Health, Veterans Health Administration	National Rural Health Evaluation Center	Co- Investigator	10/1/2015- 9/30/2017	\$500,000
PEC 16-002 (PI: Hudson)				
VA HSR&D	Advance Care Planning for Elderly Veterans with Advanced Kidney Disease	Co- Investigator	4/1/2013- 3/30/2017	\$1,100,000
IIR 09-094 (PI: O'Hare)				
VA HSR&D	Differences in Practice Styles in VA and Medicare	Co- Investigator	10/1/2012- 3/31/2015	\$702,230
IIR 10-150 (PI: Hebert)				
VA HSR&D	Organizational Factors Related to Hospital Readmissions	Co- Investigator	4/1/2011- 3/31/2015	\$797,140
IIR 09-354 (PI: Liu)				
VA HSR&D	Organizational Correlates of Adherence to Medication	Co- Investigator	10/1/2008- 09/30/2011	\$911,256
IIR-07-068 (Co-PIs: Bryson and Liu)				

Air Force District of Washington	Data Investigation of Bariatric Surgery Outcomes and Economic Savings	Research Associate	9/30/2008-9/29/2010	
FA7014-08-002 (PI: Carr)				
VA HSR&D	Postdoctoral Training in Health Services Research	Principal Investigator	8/15/2010-08/14/2013	\$170,826
TPP 61-024 (Wong)				

b) Pending Applications

Source of Funding	Type	Title of Project	Role	Dates	Total Direct Amount
VA OCC	Pilot	Characterizing the Patterns and Content of Virtual Care Among Veterans in Primary Care	Co-Investigator	11/1/2022-10/31/2024	\$250,000
VA HSR&D	IIR	Optimizing Employee Well-being and Retention during Electronic Health Record Modernization	Principal Investigator	7/1/2022-6/30/2025	\$1,409,546
NIAAA	R21	Impacts of Access to Services for Alcohol Use Disorders in Older Adults	Co-Principal Investigator	07/01/2023-06/30/2025	\$275,000
AHRQ	R01	Impact of Chronic Care Management on Quality, Utilization, and Equity Among Multimorbid Older Adults	Co-Investigator	07/01/2023-06/30/2028	\$2,000,000

## 8. Abstracts/Presentations

a) National

1. Mielke B, Perkins M, **Wong ES**, Liu CF, Au DH, Bryson CL. "Pharmacy Support in VA Primary Care Clinics and Medication Adherence among Patients with Diabetes." *AcademyHealth Annual Research Meeting*, Seattle, WA, June 13, 2011.
2. Portner CC, **Wong ES**. "The Link between Parental and Offspring Longevity." *Population Association of America Annual Meeting*, San Francisco, CA, May 4, 2012.
3. **Wong ES**, Liu CF. "Relationship between Local Area Economic Conditions and Use of Veterans Affairs Health Care Services." *AcademyHealth Annual Research Meeting*, Orlando, FL, June 25, 2012; *VA HSR&D/QUERI National Meeting*, Washington, DC, July 18, 2012.
4. **Wong ES**, Maciejewski ML, Liu CF. The Impact of Prescription Copayment Increases on Medication Adherence: Are there Racial Differences? *AcademyHealth Annual Research Meeting*, Orlando, FL, June 26, 2012; *VA HSR&D/QUERI National Meeting*, Washington, DC, July 18, 2012.
5. Hebert PL, Liu CF, **Wong ES**, Hernandez SE, Batten A, Lo S, Fihn SD. "National Evaluation of the Effects of Healthcare Utilization and Costs of the VA Patient Centered Medical Home Initiative." *Society of General Internal Medicine Annual Meeting*, Denver, CO, April 25, 2013.

6. **Wong ES**, Bryson CL, Hebert PL, Liu CF. "Estimating the Impact of Oral Diabetes Medication Adherence on Healthcare Costs: An Instrumental Variables Approach." *AcademyHealth Annual Research Meeting*, Baltimore, MD, June 24, 2013.
7. **Wong ES**, Hebert PL, Hernandez SE, Batten A, Lo S, Lemon JM, Fihn SD, Liu CF. "Association between Local Area Unemployment Rates and Use of Veterans Affairs Primary and Mental Health Care." *AcademyHealth Annual Research Meeting*, Baltimore, MD, June 24, 2013.
8. Hernandez SE, **Wong ES**, Batten A, Lo S, Liu CF, Lemon JM, Fihn SD, Hebert PL. "Facility Level Rates of Hospitalizations for Ambulatory Care Sensitive Conditions Decrease in High Minority Serving VHA Facilities After Patient-Centered Medical Home Roll Out." *AcademyHealth Annual Research Meeting*, Baltimore, MD, June 24, 2013.
9. **Wong ES**, Hebert PL, Hernandez SE, Batten A, Sylling PW, Fihn SD, Liu CF. "Local Unemployment Associated with Potentially Preventable Hospitalizations." *Society of General Internal Medicine Annual Meeting*, San Diego, CA, April 25, 2014; *AcademyHealth Annual Research Meeting*, San Diego, CA, June 8, 2014.
10. Meo N, **Wong ES**, Bryson CL, Sun H, Curtis I, Gupta I, Batten AJ, Fihn SD, Nelson KM. "Organizational factors associated with medication adherence after patient centered medical home transformation." *Society of General Internal Medicine Annual Meeting*, San Diego, CA, April 25, 2014.
11. Sylling P, **Wong ES**, Liu CF, Hernandez SE, Batten A, Helfrich CD, Nelson KN, Fihn SD, Hebert PL. "Patient-Centered Medical Home Implementation and Provider Job Turnover." *Society of General Internal Medicine Annual Meeting*, San Diego, CA, April 26, 2014; *AcademyHealth Annual Research Meeting*, San Diego, CA, June 7, 2014.
12. Rinne ST, **Wong ES**, Hebert PL, Au DH, Liu CF. "Weekend Discharges for COPD Hospitalizations Decrease Length of Stay without Increasing Risk of Readmission" *American Thoracic Society International Conference*, Denver, CO, May 19, 2014; *AcademyHealth Annual Research Meeting*, San Diego, CA, June 10, 2014.
13. Hernandez SE, Nelson KM, Sun H, Liu CF, **Wong ES**, Sylling PW, Helfrich CD, Fihn SD, Hebert PL. "A First Look at PCMH Implementation for Minority Veterans: Room for Improvement." *AcademyHealth Annual Research Meeting*, San Diego, CA, June 8, 2014.
14. Trivedi RB, Sylling PW, **Wong ES**, Liu CF, Hebert PL, Kivlahan DR, Post EP, Pomerantz AS. "Relationship of Mental Illness and Ambulatory Care Sensitive Condition (ACSC)-Related Hospitalizations among Veterans Seen in VHA Primary Care." *AcademyHealth Annual Research Meeting*, San Diego, CA, June 9, 2014.
15. Hebert PL, Piegari R, **Wong ES**, Liu CF, Sylling PW, Hernandez SE, Batten AJ, Nelson KM, Sun H. "Trends in Hospitalizations for Ambulatory Care Sensitive Conditions in Veterans Administration Hospitals Compared to Non-Federal Hospitals, 2003 to 2010." *AcademyHealth Annual Research Meeting*, San Diego, CA, June 9, 2014.

16. **Wong ES**, Liu CF, Rinne ST, Perkins MW, Liu CF. "Developing a Combined Measure of Readmission and Survival to Assess Hospital Quality" *AcademyHealth Annual Research Meeting*, San Diego, CA, June 10, 2014.
17. Rinne ST, **Wong ES**, Perkins MW, Liu CF. "Non-Responders to a Patient Satisfaction Survey Incurred Higher Medical Utilization and Lower Medication Adherence" *AcademyHealth Annual Research Meeting*, San Diego, CA, June 10, 2014.
18. Au DH, Rinne ST, **Wong ES**, Hebert PL, Perkins MW, Liu CF. "Differences in Organizational Structure to Support Patients with CHF and COPD" *AcademyHealth Annual Research Meeting*, San Diego, CA, June 10, 2014.
19. Liu CF, Rinne ST, Perkins MW, **Wong ES**, Bryson CL, Hebert PL. "Burden of Readmissions for Heart Failure Patients in VA Healthcare System." *AcademyHealth Annual Research Meeting*, San Diego, CA, June 10, 2014.
20. **Wong ES**, Maciejewski ML, Hebert PL, Liu CF. "Implications of the Affordable Care Act for Use of VA Primary Care: Lessons from the Massachusetts Health Reform." *VA Health Economics Resource Center Cyberseminar*, June 18, 2014.
21. Rosland AM, **Wong ES**, Zulman DM, Prenovost K, Fihn SD, Nelson KM. "Higher Level Of Patient-Centered Medical Home Implementation Associated With Improvements In Clinical Quality Of Care In The Nation-Wide VHA PACT Initiative." *Society of General Internal Medicine Annual Meeting*, Toronto, ON, April 24, 2015; *AcademyHealth Annual Research Meeting*, Minneapolis, MN, June 16, 2015; *VA HSR&D National Meeting*, Philadelphia, PA, July 9, 2015.
22. Nelson KM, Sylling PW, **Wong ES**, Taylor L, Helfrich CD, Curtis I, Schectman G, Stark R, Fihn SD. "Implementation of the Patient Centered Medical Home (PCMH) in the Veterans Health Administration (VHA): Associations with Clinical Outcomes, Patient Satisfaction, Provider Burnout and Health Care Use." *Society of General Internal Medicine Annual Meeting*, Toronto, ON, April 24, 2015; *AcademyHealth Annual Research Meeting*, Minneapolis, MN, June 15, 2015;
23. Rinne ST, Liu CF, **Wong ES**, Hebert PL, Cook MA, Au DH. "Average Facility Length of Stay for Chronic Obstructive Pulmonary Disease Hospitalizations Is Not Associated with Readmission" *American Thoracic Society International Conference*, Denver, CO, May 20, 2015; *AcademyHealth Annual Research Meeting*, Minneapolis, MN, June 15, 2015;
24. **Wong ES**, Hebert PL, Rinne ST, Au DH, Liu CF. "Is Hospital Distance Associated with 30-Day Readmission among VA Enrollees?" *AcademyHealth Annual Research Meeting*, Minneapolis, MN, June 14, 2015; *VA HSR&D National Meeting*, Philadelphia, PA, July 9, 2015.
25. Hebert PL, **Wong ES**, Hernandez SE, Rinne ST, Sulc CA, Neely EL, Liu CF. "Methods for Measuring Racial Differences in Hospital Outcomes Attributable to Disparities in Use of High-Quality Hospital Care" *AcademyHealth Annual Research Meeting*, Minneapolis, MN, June 14, 2015; *VA HSR&D National Meeting*, Philadelphia, PA, July 9, 2015.
26. **Wong ES**, Rosland AM, Fihn SD, Nelson KM. "Implementation of the Patient Aligned Care Team Initiative and Primary Care Use: Differences by Comorbidity Burden."

*AcademyHealth Annual Research Meeting*, Minneapolis, MN, June 15, 2015; *VA HSR&D National Meeting*, Philadelphia, PA, July 10, 2015.

27. **Wong ES**, Maciejewski ML, Hebert PL, Batten AJ, Nelson KM, Fihn SD, Liu CF. "Did Massachusetts Health Reform Increase Use of the Veterans Affairs Health System?" *AcademyHealth Annual Research Meeting*, Minneapolis, MN, June 15, 2015; *VA HSR&D National Meeting*, Philadelphia, PA, July 9, 2015.
28. Liu CF, Rinne ST, Cook M, **Wong ES**, Heidenreich P, Hebert PL. "Clinical Practices Related to Lower Heart Failure Readmissions?" *AcademyHealth Annual Research Meeting*, Minneapolis, MN, June 15, 2015; *VA HSR&D National Meeting*, Philadelphia, PA, July 10, 2015.
29. Liu CF, **Wong ES**, Hu E, Fihn SD, Hebert PL. "Reliance on VA Outpatient Care among Medicare-Eligible Veterans from 2004 to 2011" *AcademyHealth Annual Research Meeting*, Minneapolis, MN, June 16, 2015; *VA HSR&D National Meeting*, Philadelphia, PA, July 10, 2015.
30. Cook MA, Hebert PL, **Wong ES**, Rinne ST, Sun H, Au DH, Liu CF. "Risk-Adjustment Approach Effects Identification of High and Low Performance Hospitals" *VA HSR&D National Meeting*, Philadelphia, PA, July 9, 2015.
31. Bouldin ED, Littman AJ, **Wong ES**, Liu CF, Taylor LL, Rice K, Reiber GE. "Medicare-VHA Dual System Use is Associated with Poorer Chronic Wound Healing" *VA HSR&D National Meeting*, Philadelphia, PA, July 9, 2015.
32. Rinne ST, Bastian LA, **Wong ES**, Hebert PL, Au DH, Kaboli PJ, Cook MA, Liu CF. "Organizational Factors and Risk of Readmission among Veterans Hospitalized for COPD" *VA HSR&D National Meeting*, Philadelphia, PA, July 10, 2015.
33. **Wong ES**, Liu CF, Hernandez SE, Nelson KM, Fihn SD, Hebert PL. "Patient-Reported Wait Times for VA Appointments Affect Veterans' Future Use of Primary Care." *6<sup>th</sup> Biennial Conference of the American Society of Health Economists*, Philadelphia, PA, June 14, 2016.
34. **Wong ES**, Sylling PW, Fihn SD, Liu CF. "Changes in Veterans Affairs Health System Enrollment and Utilization Following Implementation of the Affordable Care Act." *AcademyHealth Annual Research Meeting*, Boston, MA, June 27, 2016.
35. Hebert PL, Cook MA, **Wong ES**, Batten AJ, Sulc CA, Neely EL, Liu CF. "Validity of Geographic-Based Instrumental Variables for Comparing Care Provided to Veterans By VA Versus Medicare Providers." *AcademyHealth Annual Research Meeting*, Boston, MA, June 26, 2016.
36. Batten AJ, Hebert PL, **Wong ES**, Zeliadt SB, Neely EL, Sulc CA, Liu CF. "Health and Social Risk Characteristics of Veterans Who Choose to Rely on the VA for Primary Care." *AcademyHealth Annual Research Meeting*, Boston, MA, June 26, 2016.
37. Hernandez SE, Taylor L, **Wong ES**, Grembowski D, Reid R, Nelson KM, Fihn SD, Hebert. "A First Look at PCMH Associated Changes to Utilization for Minority Veterans." *AcademyHealth Annual Research Meeting*, Boston, MA, June 27, 2016.



38. Liu CF, Cook MA, Rinne ST, **Wong ES**, Hebert PL. "The Relationships Between Resource Utilization in an Index Admission and Readmission and Post-Discharge Costs for Patients with COPD." *AcademyHealth Annual Research Meeting*, Boston, MA, June 27, 2016.
39. Rinne ST, Bastian LA, Lindenauer PK, Cook MA, **Wong ES**, Liu CF. "Organizational Factors Associated with Length of Stay for Veterans with COPD." *AcademyHealth Annual Research Meeting*, Boston, MA, June 27, 2016.
40. Augustine MR, Nelson KM, Fihn SD, **Wong ES**. "Access to the VA: Which Veterans Are Seeking Primary Care Services?" *AcademyHealth Annual Research Meeting*, Boston, MA, June 27, 2016.
41. Augustine MR, Nelson KM, Fihn SD, **Wong ES**. "Is Patient-Reported Access to VHA Healthcare Services Associated with Preventable Hospitalizations?" *AcademyHealth Annual Research Meeting*, Boston, MA, June 27, 2016.
42. Cook MA, Liu CF, Fihn SD, **Wong ES**. "Association Between Massachusetts Health Reform and Use of Mental Health Services in the Veterans Affairs Health Care System." *AcademyHealth Annual Research Meeting*, Boston, MA, June 27, 2016.
43. **Wong ES**, Augustine MR. "Patient-Reported Access to VA Healthcare and Veterans' Use of Primary Care Services." *VA Patient-Aligned Care Team Demonstration Lab Cyberseminar*, July 20, 2016.
44. **Wong ES**. "Health Care Reform and Veterans' Dual Use of VA and Non-VA Outpatient Services." *VA Career Development Awardee Cyberseminar*, April 11, 2017.
45. **Wong ES**, Yoon J, Piegari RI, Rosland AM, Fihn SD, Chang ET. "Latent Classes of High Risk Patients Receiving Care from the VHA Patient-Centered Medical Home." *AcademyHealth Annual Research Meeting*, New Orleans, LA, June 26, 2017.
46. Adams SV, **Wong ES**, Mader MJ, Hudson TJ, Bollinger MJ, Fortney JC, Littman AJ. "Clinical Video Telehealth Utilization in the Veterans Health Administration." *AcademyHealth Annual Research Meeting*, New Orleans, LA, June 26, 2017.
47. **Wong ES**, Liu CF, Gunnink E, Fihn SD, Hebert PL. "Effects of the VA Patient Centered Medical Home Initiative on Healthcare Utilization: Results After Four Years." *Society for General Internal Medicine Annual Meeting*, Denver, CO, April 13, 2018.
48. **Wong ES**, Liu CF, Gunnink E, Fihn SD, Hebert PL. "Effects of the VA Patient Centered Medical Home Initiative on Healthcare Utilization: Results After Four Years." *AcademyHealth Annual Research Meeting*, Seattle, WA, June 24, 2018.
49. Liu CF, Batten AJ, **Wong ES**, Fihn SD, Hebert PL. "Medicare-Enrolled Veterans Are Increasingly Voting with Their Feet to Use More VA and Less Medicare, 2003-2014." *AcademyHealth Annual Research Meeting*, Seattle, WA, June 24, 2018.
50. **Wong ES**, Douglas JH, Liu CF. "Predicting Primary Care Use Among Patients in a Large Integrated Health System: The Role of Patient Experience Measures." *AcademyHealth Annual Research Meeting*, Seattle, WA, June 25, 2018.

51. **Wong ES.** "Machine Learning and Applications to Health Services and Health Care." *AcademyHealth Annual Research Meeting*, Seattle, WA, June 25, 2018.
52. **Wong ES**, Wilson C, Nelson KM. "Estimating Excess VA Primary Care Demand Using Econometric Disequilibrium Models." *Society of General Internal Medicine Annual Meeting*, Washington, DC, May 10, 2019.
53. Schuttner L, Reddy A, Rosland AM, Nelson KM, **Wong ES.** "Patient Centered Medical Home Implementation and Chronic Disease Care Quality in Patients with Multimorbidity." *Society of General Internal Medicine Annual Meeting*, Washington, DC, May 10, 2019.
54. Schuttner L, **Wong ES**, Rosland AM, Nelson KM, Reddy A. "Association of the Implementation of the Patient-Centered Medical Home with Quality of Life in Patients with Multimorbidity." *Society of General Internal Medicine Annual Meeting*, Washington, DC, May 10, 2019.
55. Schuttner L, Reddy A, Rosland AM, Nelson KM, **Wong ES.** "Patient Centered Medical Home Implementation and Chronic Disease Care Quality in Patients with Multimorbidity." *AcademyHealth Annual Research Meeting*, Washington, DC, June 2, 2019.
56. **Wong ES**, Wilson C, Nelson KM. "Estimating Excess VA Primary Care Demand Using Econometric Disequilibrium Models." *AcademyHealth Annual Research Meeting*, Washington, DC, June 3, 2019.
57. Moldestad M, Sayre GG, Mao JH, Reddy A, Henrikson NB, Sterling RA, Kaboli PJ, **Wong ES.** "Serving Those Who Served: Primary Care Physician Perspectives on Choosing to Work for the VHA." *AcademyHealth Annual Research Meeting*, Washington, DC, June 3, 2019.
58. Schuttner L, **Wong ES**, Rosland AM, Nelson KM, Reddy A. "Association of the Implementation of the Patient-Centered Medical Home with Quality of Life in Patients with Multimorbidity." *AcademyHealth Annual Research Meeting*, Washington, DC, June 3, 2019.
59. Hebert PL, **Wong ES**, Reddy A, Gunnink E, Nelson KM. "Medicare-eligible Veterans Voting with Their Feet: Events Associated with Changes in a Veteran's Reliance on the VA vs. Medicare for Healthcare." *AcademyHealth Annual Research Meeting*, Washington, DC, June 3, 2019.
60. Liu CF, **Wong ES**, Hebert PL, Douglas JH, Neely EL, Sulc CA, Reddy A, Sales AE. "Outcomes of Primary Care Delivery by Nurse Practitioners: A Comprehensive Evaluation of Utilization, Cost, and Quality of Care." *AcademyHealth Annual Research Meeting*, Washington, DC, June 4, 2019.
61. Rinne ST, Mohr DC, **Wong ES**, Swamy L, Blok A, Charns MP. "Machine Learning and Applications to Health Services and Health Care." *VA HSR&D/QUERI National Conference*, Washington, DC, October 30, 2019.
62. Hebert PL, **Wong ES**, Reddy A, Gunnink E, Nelson KM. "Medicare-eligible Veterans Voting with Their Feet: Events Associated with Changes in a Veteran's Reliance on the VA vs.

Medicare for Healthcare.” *VA HSR&D/QUERI National Conference*, Washington, DC, October 30, 2019.

63. **Wong ES**, Rajan S, Liu CF, Fortney JC. “Economic Costs of Implementing Virtual Care for Patients with Post-Traumatic Stress Disorder.” *Annual Conference on the Science of Dissemination and Implementation in Health*, Washington, DC, December 2019.
64. **Wong ES**, Done N, Zhao M, Woolley A, Prentice J, Mull H. “Comparing Total Medical Costs between Patients Receiving Direct Oral Anticoagulants Versus Warfarin for the Treatment of Atrial Fibrillation: Evidence from VA.” *AcademyHealth Annual Research Meeting*, Virtual Forum, July 2020.
65. Moldestad M, Mao J, Sayre GG, Liu CF, Nelson KM, Reddy A, Henrikson NB, Sterling RA, Kaboli P, Rinne ST, Helfrich CD, Maynard CR, Kaminetzky C, **Wong ES**. “‘Best Kept Secret’ and ‘Red Tape’: Resident and Physician Perspectives on Working for the VA.” *VA Patient Aligned Care Team Cyberseminar*, July 2020.
66. **Wong ES**. “Qualitative Study of Perspectives of Training and Working in VA: Implications for Primary Care Physician Recruitment.” *VA National Academic Affiliations Council Quarterly Meeting*, September 2020.

b) International

1. **Wong ES**, Wang BCM, Garrison LP, Alfonso R, Flum DR, Arterburn DE, Sullivan SD. “Estimating the BMI-Mortality Relation Using Fractional Polynomials.” *International Society for Pharmacoeconomics and Outcomes Research Annual Meeting*, Baltimore, MD, May 24, 2011.
2. **Wong ES**, Liu CF. “Massachusetts Healthcare Reform and Utilization of Mental Health Services Among Veterans Affairs Health System Enrollees.” *International Health Economics Association World Congress*, Boston, MA, July 9, 2017.

c) Regional/Local

1. **Wong ES**, Maciejewski ML, Hebert PL, Liu CF. “Implications of the Affordable Care Act for Use of VA Primary Care: Lessons from the Massachusetts Health Reform.” *Program in Health Economics and Outcomes Research*, University of Washington, October 8, 2014.
2. **Wong ES**, Maciejewski ML, Hebert PL, Liu CF. “Massachusetts Health Reform and Dual Use of VA and Non-VA Outpatient Services.” *Program in Health Economics and Outcomes Research*, University of Washington, November 10, 2016.
3. **Wong ES**, Wilson CR, Nelson KM. “Predicting Unmet VA Primary Care Demand Using Economic Disequilibrium Models.” *Program in Health Economics and Outcomes Research*, University of Washington, November 10, 2016.

d) Discussant

1. “Re-examining Facility-Level Effects on Diabetes Care Quality for Veterans.” *6<sup>th</sup> Biennial Conference of the American Society of Health Economists*, Philadelphia, PA, June 14, 2016.

2. "How Delivery and Payment Reforms Impact Cost and Quality." *AcademyHealth Annual Research Meeting*, Boston, MA, June 26, 2016.
3. "Physician Supply, Access to Care, and Patient Choice." *Conference of the American Society of Health Economists*, Online, June 23, 2021.

## **9. University Service**

### a) University of Washington, Department of Health Systems and Population Health

Member, MPH Program Advisory Committee, 2015 to present  
Member, Research Review Committee, 2017 to present  
Evaluator, PhD Preliminary Exam, Article Review Section, 2019 to present  
Member, PhD Admissions Committee, 2018 to 2019  
Member, MPH Admissions Committee, 2016 to 2017  
Member, Health Policy Faculty Search Committee, 2017 to 2018  
Member, Health Economics Faculty Search Committee, 2018 to 2019  
Member, Masters of Health Administration Faculty Search Committee, 2022

## **10. Professional-related Community Service**

### a) Professional Organizations

Member – AcademyHealth, 2011 to present  
Member – American Society of Health Economists, 2015 to present  
Member – Society of General Internal Medicine, 2019 to present

### b) VA Health Services Research and Development

Member, VA HSR&D Research Review Committee, 2010 to present  
Voting Member, VA Puget Sound Research and Development Committee, 2015 to present  
Member, VA Cost OMOP Advisory Committee, 2018 to present  
Member, VHA Employee Engagement and Workforce Stability Research Group, 2019 to present  
Member, Patient Aligned Care Team High Risk Workgroup, 2014 to 2020  
Member, VA Statisticians' Association, 2015 to 2020  
Member, VA CDA Enhancements Initiative Advisory Committee, 2016 to 2019  
Coordinator, VA HSR&D/NRSA Fellows Works-in-Progress Seminar, 2011  
Member, Impact of Affordable Care Act on VA Care Workgroup, VA Health Economics Resource Center, 2014 to 2016

### c) Service as a Reviewer - Journals

*Demography*  
*American Journal of Pharmacy Benefits*  
*Journal of General Internal Medicine*  
*Medical Care*  
*Annals of Family Medicine*  
*American Journal of Managed Care*

*Annals of Pharmacotherapy*  
*BMC Health Services Research*  
*Journal of the American Medical Association (JAMA)*  
*Diabetes Research and Clinical Practice*  
*Journal of Health Care for the Poor and Underserved*  
*Review of Economics of the Household*  
*AIDS Care*  
*Journal of Medical Economics*  
*Journal of Rural Health*  
*Medical Care Research and Review*  
*Inquiry*  
*Health Services Research*  
*Contemporary Economic Policy*  
*JAMA Network Open*  
*Annals of Internal Medicine*  
*Healthcare – Journal of Delivery Science and Innovation*  
*BMJ Quality and Safety*  
*Healthcare Management Review*  
*Military Medicine Research*  
*Health Affairs*  
*Administration and Policy in Mental Health and Mental Health Services Research*  
*Academic Emergency Medicine*

d) Service as a Reviewer – Study Sections

Patient Centered Outcomes Research Institute, 2017

e) Service as a Reviewer – Other

Washington Health Benefits Exchange Standard Plans Project Report, 2019

f) Service to Professional Organizations

Abstract Reviewer for International Health Economics Association World Congress, 2017, 2019, 2021

Abstract Reviewer for AcademyHealth Annual Research Meeting, 2016, 2018, 2019, 2020

Abstract Reviewer for VA Rural Health State of Science Meeting, 2016

Session Chair, *Application of Learning Algorithms to Understand Complex Healthcare Data*

AcademyHealth Annual Research Meeting, June 26, 2018, Seattle, WA

g) Board Memberships

Board Member, State of Washington Health Care Cost Transparency Board, 2021 to present

## 11. Teaching History

Course Title	Credit Hours	Years	Students	Percent Responsibility	Role
<i>University of Washington, Department of Health Systems and Population Health</i>					

Health Policy Economics (HServ 587)	5	Spring 2019	21	50	Instructor
Advanced Health Services Research Methods II - Hierarchical and Incomplete Data (HServ 524)	5	Winter 2021, Winter 2022	10	50	Instructor
Epi and Rehab Research (REHAB 561)	3	Winter 2020	6	Guest Lecture	Instructor
Graduate Seminar (HEOR 597)	3	Winter 2022	23	Guest Lecture	Instructor
<i>University of Washington, Department of Economics</i>					
Cost-Benefit Analysis (ECON 454)	5	Spring 2010, Autumn 2009	50	100	Instructor
Intermediate Microeconomics (ECON 300)	5	Autumn 2007, Winter 2008, Spring 2008, Summer 2008, Winter 2009, Summer 2009	50	100	Instructor
Advanced Macroeconomics (ECON 502)	5	Autumn 2008	50	100	Teaching Assistant
Introduction to Macroeconomics (ECON 201)	5	Autumn 2006, Winter 2007	50	100	Teaching Assistant
Introduction to Microeconomics (ECON 200)	5	Spring 2007	50	100	Teaching Assistant
<i>University of Washington, Professional and Continuing Education</i>					
Introduction to Microeconomics (ECON 200)	N/A	Winter 2008	N/A	100	Course Reviewer
Introduction to Macroeconomics (ECON 201)	N/A	Winter 2008	N/A	100	Course Reviewer

## 12. Advising and Formal Mentoring

### a) Career Development Awardees (K-equivalent)

Kevin Duan (2020-present)  
Leah Marcotte (2021-present)

### b) Doctoral Adviser

Diana Poehler (2017-present)  
Allyson O'Connor (2020-present)  
Kaylyn Swankoski (2018-2021)

c) Doctoral Thesis Committee

Allyson O'Connor (2018-2020)  
Hannah Johnson (2019-present)  
Ammarah Mahmud (2021-present)

d) Masters Thesis Chair

Kevin Duan, MD (2020-2021)  
Matthew R. Augustine, MD (2015-2017)  
Michelle E. Martinez (2015-2016)

e) Masters Thesis Committee

Victoria T. Johnson, MD (2015-2016)  
Linnaea Schuttner, MD (2017-2019)  
Leah Marcotte, MD (2020-present)  
Irene Zhang, MD (2020-present)

f) Masters Adviser

Nick Miller (2019)  
Erin Lee (2018-2020)

g) Post-Doctoral Fellows

Co-Primary Mentor to Matthew R. Augustine, MD MS (2015-2017)  
Co-Primary Mentor to Linnaea Schuttner, MD (2017-present)  
Secondary Mentor to Toral Parikah, MD (2018-2020)  
Secondary Mentor to Kevin Duan, MD (2019-present)

h) Other Mentoring

Statistical Mentoring to Susan E. Hernandez, PhD (2013-2014)  
Statistical Mentoring to Erin Bouldin, PhD (2015-2016)