

## CURRICULUM VITAE

David Hsiang-Shan Au, MD MS

### Office Address

VA Puget Sound Health Care System  
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### Education

|         |   |                   |
|---------|---|-------------------|
| 1985-89 | University of Chicago, Division of Biological Sciences                      | BA, June 1989     |
| 1989-93 | University of Chicago, Pritzker School of Medicine                          | MD, June 1993     |
| 1997-99 | University of Washington, School of Public Health, Division of Epidemiology | MS, December 1999 |

### Postgraduate Training

|           |   |
|-----------|---|
| 1993-1996 | Case Western Reserve University and University Hospitals of Cleveland, Department of Medicine, Intern and Resident                      |
| 1996-2001 | University of Washington, Division of Pulmonary and Critical Care Medicine, Senior Fellow   |
| 1998-2001 | Seattle Division of the Veterans Administration Puget Sound Health Care System, Health Services Research and Development, Senior Fellow |

### Faculty Positions

|                |   |
|----------------|---|
| 7/2001-6/2002  | University of Washington, Department of Medicine, Division of Pulmonary and Critical Care Medicine: Acting Assistant Professor      |
| 7/2002-6/2007  | University of Washington, Department of Medicine, Division of Pulmonary and Critical Care Medicine: Assistant Professor of Medicine |
| 8/2004-6/2007  | University of Washington, Department of Pharmacy, Pharmaceutical Outcomes Research and Policy Program: Adjunct Assistant Professor  |
| 7/2007-6/2012  | University of Washington, Department of Pharmacy, Pharmaceutical Outcomes Research and Policy Program: Adjunct Associate Professor  |
| 7/2007-6/2012  | University of Washington, Department of Medicine, Division of Pulmonary and Critical Care Medicine: Associate Professor             |
| 7/2012-Present | University of Washington, Department of Pharmacy, Pharmaceutical Outcomes Research and Policy Program: Adjunct Professor            |
| 7/2012-Present | University of Washington, Department of Medicine, Division of Pulmonary and Critical Care Medicine: Professor                       |

### Hospital Positions

|   |              |
|---|--------------|
| Pulmonary and Critical Care Medicine                |              |
| Northwest Hospital                                  | 1997-2000    |
| Group Health Cooperative of Washington State        | 1998-2001    |
| VA Puget Sound Health Care System, Seattle Division | 2000-present |

### Honors and Awards

|      |  |
|------|--|
| 1988 | Richter Research Grant (for undergraduate research)                      |
| 1989 | Dean's List, University of Chicago                                       |
| 1990 | University of Chicago Summer Research Award (for undergraduate research) |
| 1992 | Calvin Fentress Research Award (for medical student research)            |
| 1996 | Resident Clerkship Teaching Award  |

2000 Chest Foundation Clinical Research Trainee Award  
 2001 Assembly Highlight, Assembly on Behavioral Science, American Thoracic Society  
 2001 American Thoracic Society Travel Award  
 2001 VA Career Development Award  
 2004 Advance Research Career Development Award  
 2005 Early Career Achievement Award, ATS, Behavioral Sciences Assembly  
 2007 American Lung Association, Career Investigator Award  
 2012 Lifetime Achievement Award, ATS, Behavioral Sciences Assembly  
 2013-Present American Board of Internal Medicine, Pulmonary Specialty Board – Examine Writing Committee

**Board Certification**

1996-2006 (expired) Diplomate, American Board of Internal Medicine  
 2008-2018 Diplomate, American Board of Internal Medicine, Pulmonary Specialty Board  
 2009-2019 Diplomate, American Board of Internal Medicine, Critical Care Medicine

**Professional License**

Washington State Medical License: MD00033664  
 DEA #: upon request

**Teaching Responsibilities**

Co-Director, Clinical Research Training Program, Division of Pulmonary and Critical Care Medicine, Department of Medicine, University of Washington

Director – VISN 20 Pulmonary and Sleep Medicine, Specialty Care Access Network – Extension of Community Health Outcomes (SCAN-ECHO)

Attending Physician, Pulmonary and Critical Care Services, VA Puget Sound Health Care System, Seattle Division  
 MICU service and Pulmonary Consult Service (1 months/year)

Attending Physician, Chest Clinic, VA Puget Sound Health Care System, Seattle Division (0.5 days/week)

Medical Residents Teaching Conference, Department of Medicine, University of Washington

Medicine 683 UW School of Medicine. Senior elective in Pulmonary and Critical Care Medicine

American Thoracic Society’s International Course: Methods in Epidemiologic, Clinical and Operations Research.  
 Level 3 Faculty and Lead, Turkey  
 Level 3 Faculty, Global Course  
 Level 3 Faculty, China

Direct Research Mentoring: In chronologic order (\* denotes active mentoring)

Primary Mentor: Name: Current position

|                    |  |
|--------------------|--|
| 7/1/2002-6/30/2005 | Laura Evans, MD MS: Associate Professor, Division of Pulmonary Critical Care Medicine, New York University   |
| 7/1/2005-6/30/2008 | Christopher Slatore, MD MS: Associate Professor, Pulmonary and Critical Care Medicine, Oregon Health Sciences University   |
| 7/1/2007-6/30/2010 | *Laura Cecere Feemster, MD MS: Assistant Professor, Division PCCM, Department of Medicine, University of Washington  |
| 7/1/2008-6/30/2012 | Courtney Greene, MD: Clinical Practice, Northwest Hospital   |
| 7/1/2010-Present   | *Lynn F. Reinke, PhD, Center Investigator, Health Services Research and Development, VA Puget Sound Health Care System and Clinical Assistant Professor, School of Nursing, University of Washington |
| 7/1/2011-6/30/2016 | Bridget Collins, MD, Senior Fellow, University of Washington   |
| 7/1/2012-1/31/2015 | Anne Melzer, MD, Assistant Professor, Department of Medicine, University of Minnesota  |

|                  |   |
|------------------|---|
| 7/1/2015-Present | *Lucas Donovan, MD, Senior Fellow, University of Washington |
| 7/1/2015-Present | *Laura Spece, MD, Senior Fellow, University of Washington   |
| 7/1/2015-Present | *Matt Griffith, MD, Senior Fellow, University of Washington |
| 7/1/2018-Present | *Alex Bryant, MD, Senior Fellow, University of Washington   |
| 7/1/2018-Present | *Thomas Keller, MD, Senior Fellow, University of Washington |

Secondary Mentor: Name: Current Position

|                     |   |
|---------------------|---|
| 7/1/2005-6/30/2003  | Saadia Akhtar, MD: Idaho Pulmonary Associates, Boise, Idaho   |
| 7/1/2002-6/30/2005  | Tanyalak Parimon, MD: Assistant Professor, Department of Medicine, University Of Washington           |
| 7/1/2004-6/30/2005  | Spencer Olson, MD: Private Practice (Occupational Medicine)   |
| 7/1/2004-6/30/2005  | Sarika Ogale: PhD, Genentech, San Francisco, CA   |
|                     | *Min J. Joo, MD MPH, Associate Professor, Department of Medicine, University of Illinois              |
| 7/1/2008-6/30/2011  | Betty Tran, MD MS, Assistant Professor, Rush University Medical Center                                |
| 7/1/2009-6/30/2013  | Peter Leary, MD, Assistant Professor, University of Washington  |
| 7/1/2010-6/30/2012  | Janice Leung, MD, Assistant Professor, University of British Columbia, Vancouver BC Canada            |
| 7/1/2011-12/31/2014 | Sarah Jolley, MD Assistant Professor, Department of Medicine, Tulane University                       |
| 7/1/2011-12/31/2014 | *Seppo Rinne, MD PhD, Assistant Professor, Department of Medicine, Boston University                  |
| 7/1/2012-12/21/2015 | Leah M Backhus, MD, Associate Professor, Department of Thoracic Surgery, Stanford University          |
| 7/1/2012-Present    | *Steven B. Zeliadt, PhD, Associate Professor, Department of Health Services, University of Washington |

Division Advisor (during clinical training year)

|                     |  |
|---------------------|--|
| 7/1/2006-6/30/2009  | Eric Walter, MD: Attending physician, Kaiser Permanente Northwest, Portland OR               |
| 7/1/2007-6/30/2010  | Christopher Seymour, MD: Acting Instructor, Department of Medicine, University of Washington |
| 7/1/2011-12/31/2014 | Seppo Rinne, MD PhD, Fellow, Department of Medicine, University of Washington                |

Residents

Tyler Y. Lee MD, Clinical Instructor, Department of Medicine, University of Washington  
 John Huetsch MD, PCCM fellow, John Hopkins University  
 Anne C. Melzer, MD, PCCM fellow, University of Washington, Seattle, WA  
 David H. Ramenofsky, MD Hospitalist, Northwest Hospital, Seattle, WA  
 Nate Parker, MD PCCM fellow, University of Pennsylvania, Philadelphia, Pennsylvania

Students

Melissa Herrin, BA. Project: Comparative effectiveness antihypertensive agents, second year medical student, Yale University  
 Mandy Sakamoto, BA. Project: Cardiovascular medication use among patients with cardiovascular disease and COPD, first year medical student, Tufts University

**Special National and Professional Responsibilities**

|                    |   |
|--------------------|---|
| 1997-present       | American Thoracic Society (Society level)             |
| 2004-2009          | Membership Committee                                  |
| 2008-2009          | ATS Document Development and Implementation Committee |
| 2008-2010, 2011-13 | Board of Directors (BOD)                              |
| 2009-2010          | BOD Documents Subcommittee (Chair)                    |
| 2010-2011          | International Conference Committee (Chair-appointee)  |
| 2011-2012          | Awards Committee                                      |
| 2011-2013          | International Conference Committee (Chair)            |

|   |  |
|---|--|
| 2011-2012   | Finance Committee  |
| 2011- 2014  | Clinicians Advisory Committee  |
| 2013-2014   | Nomination Committee   |
| 2013-2016   | Planning and Evaluation Committee  |
| 2015-2018   | Quality Improvement Committee  |
| 2018-present  | Awards Committee   |
| Behavioral Sciences/ Behavioral Sciences and Health Services Assembly |  |
| 1999-2013   | Planning Committee (Chair) 2005-2006   |
| 1999-2010   | Program Committee (Chair) 2006-2007  |
| 2000-2004   | Web Director   |
| 2007-2016   | Executive Committee  |
| 2007  | Assembly Chair elect   |
| 2008-2010   | Assembly Chair   |
| 2010-2011   | Nominating Committee (Chair)   |
| 2005-present  | National Committee for Quality Assurance, Respiratory Measurement Advisory Panel   |
| 2009-present  | Chair  |
| 2005-present  | Member, American Lung Association, Fellowship Committee  |
| 2016-present  | Chair  |
| 2006-present  | Steering Committee Member, Long Term Oxygen Treatment Trial  |
| 2006  | Special Emphasis Panel, NHLBI: SPIROMICS   |
| 2007  | NHLBI Workshop, Lung Cancer and COPD, Different Outcomes of a Common Etiopathogenetic Pathway?   |
| 2009  | Special Emphasis Panel, NHLBI: Clinical Center- AsthmaNet  |
| 2010  | NHLBI-DLD Workshop, Comparative Effectiveness Research   |
| 2011-present  | Member, Food and Drug Administration, Pulmonary-Allergy Drugs Advisory Committee   |
| 2012  | Special Emphasis Panel, NHLBI: Ancillary Clinical Trials   |
| 2013-present  | Pulmonary, Critical Care Sleep Field Advisory Committee, Dept. Veterans Affairs.   |
| 2013  | American Board of Internal Medicine, Pulmonary Specialty Board Examination Writing Committee   |
| 2013  | Respiratory Integrative Biology and Translational Research [RIBT] Study Section, NHLBI (ad hoc)  |
| 2013-present  | DSMB - Chair, PELICAN study (PI Krishnan, PCORI)   |
| 2014-present  | Field Research Advisory Committee, Department of Veterans Affairs  |
| 2014-present  | Smoking and Tobacco Use Cessation Technical Advisory Group, Dept. of Veterans Affairs  |
| 2014, 2015  | NHLBI SEP: Secondary Dataset Analyses in Heart, Lung, and Blood Diseases and Sleep Disorders, NHLBI  |
| 2014, 2015  | PCORI: Comparative Effectiveness Research review panel, Chair  |
| 2015-present  | DSMB - Chair, Walk-On! study (PI Nguyen, PCORI)  |
| 2016  | NIH Special Emphasis Panel: Environmental Influences on Child Health Outcomes: Patient Reported Outcomes Research Resource Center Core (ECHO PRO CORE) (U24) |
| 2017-present  | Chair-Pulmonary Field Advisory Committee, Department of Veterans Affairs.  |

### **Special Local Responsibilities**

|              |   |
|--------------|---|
| 2002, 2007   | Division of Pulmonary and Critical Care Fellowship Selection Committee  |
| 2002         | Academic Career Development Committee   |
| 2005         | Multidisciplinary Clinical Research Career Development Program K12 Program  |
| 2006-2007    | Division of Pulmonary and Critical Care Research Task Force   |
| 2007-present | Co-Director, Clinical Research Training Program, Division of Pulmonary and Critical Care Medicine   |
| 2008-present | Medical and Research Director, Chest Clinic, VA Puget Sound Health Care System  |
| 2009         | ICU Sedation Committee  |
| 2009         | Acting Associate Director, Northwest Center of Excellence for Health Services Research and Development, VA Puget Sound Health Care System |
| 2009-2010    | Faculty Senate, University of Washington  |
| 2010         | Chair, Investigator Search Committee, Northwest Center of Excellence for Health Services Research and Development                         |
| 2011         | Chair, Faculty Search Committee, Division of Pulmonary and Critical Care Medicine, University of Washington                               |

2011-2015 Member: Associate Chief of Staff for Research Search Committee  
 2010-2012 Research and Development Committee, VA Puget Sound Health Care System  
 2011-present Research and Development Space Committee, VA Puget Sound HCS  
 2011-2013 Acting Director, Northwest Center of Excellence for Health Services Research and Development, VA Puget Sound Health Care System  
 2012-present Lead, VISN 20 Pulmonary SCAN-ECHO  
 2013-2015 Acting Director, Center of Innovation for Veteran-Centered and Value-Driven Care, VA Puget Sound Health Care System  
 2013-present University of Washington, Division of Pulmonary and Critical Care Medicine T32 Steering Committee  
 2015-present Director, Center of Innovation for Veteran-Centered and Value-Driven Care, VA Puget Sound Health Care System  
 2016-present Chair; Cardiology Section Head Search Committee, VA Puget Sound Health Care System

**Current Research Funding**

07/2018-06/2022 Department of Veteran Affairs, VA Merit Review, (IIR 17-263). “post-Recovery LibEration From Oxygen in Exacerbated COPD (RELIEF)” \$ 1,099,109 **Co-I: Au DH**

04/2018-03/2022 Department of Veteran Affairs, VA Merit Review, (U01HL142103) “Advancing care for COPD in people living with HIV by Implementing Evidence-based management through proactive E-consults (ACHIEVE)” \$2,868,233 **PI: Au D**

10/2017-09/2022 Department of Veteran Affairs, VA Merit Review, (IIR 15-364). “ VA HSR&D: DVD lifestyle Intervention Program (DELITE).” \$1,200,000 **PI: Au DH**

10/2017-09/2021 NIH/NHLBI: 1K12HL137940. The University of Washington Implementation Science Training Program. \$2,816,000. **MPI/Contact PI: Au DH** (MPI Weiner, Curtis)

07/2016-06/2021 American Lung Association. American Lung Association- Pacific Northwest Airways Clinical Research Centers (ACRC) Network. \$100,000/year **Co-PI: Au, DH** (Co-PI Feemster, LC)

7/2016-6/2020 Department of Veteran Affairs, VA Merit Review, (IIR 14-346) “Palliative Care to Improve Quality of Life in CHF and COPD” \$1,432,515 Role, Site PI Au (MPI Bekelman)

8/1/2015-7/31/2019 American Lung Association. American Lung Association. “Losartan Effects on Emphysema Progression Trial” (LEEP) Trial. \$81,000 **Co-PI: Au, DH** (Co-PI Feemster, LC)

08/2015-07/2019 NIH/NHLBI, Pulmonary Trials Cooperative- Protocol Leadership Group (1U01HL128868) Health through Obesity care for PatiEnts with COPD (HOPE). \$889,027 (capitation for sites \$1,809,177) Contact **PI: Au, DH** (Co-PI Ma, J)

10/2015-09/2020 Department of Veterans Affairs, VA QUERI program project. (I01 HX002113-01). Improving safety and quality through evidence-based de-implementation of ineffective diagnostics and therapeutics. PI of individual project entitled “Reducing the inappropriate use of inhaled corticosteroids” \$ 4,000,000 **Contact PI: Au, DH** (MPI Helfrich C, Hartmann C).

10/2013-09/2018 Department of Veteran Affairs, HSR&D. (CIN 13-402). Center of Innovation for Veteran-Centered and Value-Driven Care. ~\$5,550,000 Seattle: **Director (Contact PI), Au DH, Denver: Director, Ho, PM**

4/2014 – 01/2018 Department of Veteran Affairs, VA Merit Review, (IIR 12-130-2). “INtegrating Care After Exacerbation of COPD (InCasE)”. \$1,100,000 **PI: Au DH**

10/2011-09/2018 Department of Veteran Affairs –Office of Specialty Care. (HX12-003). Specialty Care Evaluation Center. \$~3,500,000 **Co-directors: Au DH, Ho, PM**

**Past Research Funding**

12/01/14-11/30/17 Department of Veteran Affairs, VA Merit Review, “Optimizing the Value of Primary Care Delivered by Nurse Practitioners.” \$1,031,640 (Role Co-I) **PI: F. Liu**

1/2014-12/2016 Department of Veteran Affairs, VA Merit Review, “A Novel Approach to Measuring Costs and Efficiency: Lung Nodules as a Case Study.” (Role Co-I) **PI: Zeliadt**

10/15/14-10/14/16 Cambia Health Foundation, “Symptom Burden and Palliative Utilization among Patients with Multi-Morbidity.” \$180,000.00 (Role: Co-I) **PI: Reinke** (Mentored)

04/2015-09/2016 Department of Veterans Affairs, VA QUERI, (PEC 15-240). “A mixed-methods, multi-site evaluation of the implementation of the Veterans Choice Act.” \$830,000 Contact PI: Ho, PM; (**Co-PI: Au, DH**)

05/2015 - 04/2016 Department of Veteran Affairs, VA Merit Review, “Integrating a Tele-Nurse Intervention for Smoking Cessation into Lung Cancer Screening.” (Role Co-I) **PI: Zeliadt**

11/2006-10/2015 National Heart Lung and Blood Institute, Long-term Oxygen Treatment Trial (LOTT) Regional Clinical Centers, NHLBI-HR-06-07. From 2008- present. \$~2,400,000 (Role: Center PI) **PI: Au DH**

05/2013-05/2015 Department of Veterans Affairs, Nursing Research Initiative, (NRI 12-141-3). Palliative Care Interventions for Outpatients Newly Diagnosed with Lung Cancer. Direct: \$99,953.00 (Role: Co-I) **PI: Reinke** (Mentored)

03/2011 – 03/2015 Department of Veteran Affairs, VA Merit Review, “Organizational Factors Related to Hospital Readmissions”. (Role Co-I) **PI: F. Liu**

09/2013-09/2014 Centers for Disease Control, “Low Dose CT Lung Cancer Screening: Informed Decision Making and Smoking Cessation.” (Role Co-I) **PI: Zeliadt**

09/2013-08/2014 Department of Veterans Affairs, Office of Nursing Service, (NRI 10-005). Barriers and Facilitators to Integrating Palliative Care and Oncology Services. Direct: \$50,000.00 (Role: Co-I) **PI: Reinke**

10/2008-09/2013 Dept. of Veterans Affairs - Northwest Center for Outcomes Research in Older Adults - VA Health Services Research and Development Center of Excellence. Acting Center Director: Au DH. Total budget for FY '10: \$1,191,595 - Total direct costs (2008-2013 funding cycle): \$4,550,000. **PI Au DH**

10/2010-09/2013 Agency for Healthcare Research and Quality. “Enhancing comparative effectiveness research with standardized natural language processing of EMR data.” (Role: Site PI): **PI: Hazelhurst**

10/2009-09/2012 Department of Veterans Affairs, VA Merit Review (IIR 08-814), “Using the AUDIT-C to Monitor Outcomes in Patients with Alcohol Misuse Direct: \$363,988. **PI: Au DH**

10/2009-08/2012 National Heart Lung and Blood Institute. (1RC2HL101618-01). “COPD Outcomes-based Network for Clinical Effectiveness and Research Translation – Comparative Effectiveness Research”. Direct \$3,901,797. **PI: Au DH, Multiple PI: Carson SS, Krishnan JA, Lindenauer PK, McBurnie MA, Mularski RA.**

07/2007-06/2012 National Heart Lung and Blood Institute. Improving patient outcomes in end-of-life care provided by physicians and nurses. Direct \$ 2,494,794, (Role: Co-investigator) **PI: J. R. Curtis**

05/2008-06/2011 Department of Veterans Affairs, VA Merit Review (IIR 07-068). Organizational Correlates of Adherence to Medications. Direct \$797,140 (Role: Co-investigator) **PI: C. Bryson**

07/2007-06/2011 American Lung Association. The effects of medication adherence on outcomes and costs for patients with chronic obstructive pulmonary disease. Direct \$ 107,000 **PI: Au DH**

12/2009-12/2010 Gilead Sciences. "Risk of COPD outcomes among patients using thiazolidinediones." Direct \$86,000 (Role: PI) **PI: Au DH**

10/2006-10/2010 Department of Veteran Affairs, VA Merit Review (IIR 05-101-3). *Quality of Practices of Lung Cancer Diagnosis and Staging*. Direct \$447,900. (Role PI) **PI: Au DH**

01/2006-12/2009 Department of Veteran Affairs, VA Merit Review (IAC 05-206-1), *AUDIT-C as a Scaled Marker for Health Risks in VA Medical Outpatients*. Direct \$537,086, **PI: Bradley KA**

7/2004-6/2008 Department of Veteran Affairs, VA Merit Review (IIR 03-307), *Outcomes associated with salmeterol use in obstructive lung disease*. Direct \$651,000, Effort, **PI: T. Lee**

01/2004-12/2007 Department of Veterans Affairs, VA Merit Review (IIR-022921), *Improving the Quality of End-of-Life Communication for Patients with COPD*, Direct \$827,439 **PI: Au DH**

7/2004-6/2007 Department of Veterans Affairs, Advanced Research Career Development Award, *Improving Health Outcomes for Patients with COPD*, Direct \$390,000 **PI: Au DH**

2001-12/2006 National Cancer Institute and Department of Veterans Affairs (CRS-02-164). *Share Thoughts on Care: A Population-Based Study of Care and Outcomes in Lung and Colorectal Care Patients: Cancer Care Outcomes Research and Surveillance Consortium (CanCORS)*. **Site PI: Au DH (PI, D. Provenzale, M.van Ryn)**.

9/2004-8/2006 National Institutes of Nursing Research (#R21 NR 008764-01A1), *Shared Decision-Making in End-Stage Heart and Lung Disease*, Direct \$300,000 **PI: M. Sullivan**

7/2001-6/2004 Department of Veteran Affairs, VA Career Development Award, *Health Outcomes, Status, and Quality of Care among Patients with COPD*, Direct \$ 369,000 **PI: Au DH**

10/2000-9/2002 Department of Veteran Affairs, VA Merit Review, *Population-based assessments of health and satisfaction using ACQUIP*. Direct \$ 380,515 (Co-investigator) **PI: S. Fihn**

### **Peer-reviewed manuscripts**

1. Au DH, Lemaitre RM, Curtis JR, Smith NL, Psaty BM. The Risk of Myocardial Infarction Associated with Beta-Adrenoceptor Agonists. *Am J Resp Crit Care Med* 2000; 161:827-830
2. Au DH, McDonell MB, Martin DC, Fihn SD. Regional Variations in Health Status. *Medical Care* 2001; 39:879-888
3. Udris EM, Au DH, McDonell MB, Chen LC, Tierney WM, Fihn SD. Comparing Methods to Identify General Internal Medicine Clinic Patients with Chronic Heart Failure. *American Heart Journal* 2001 Dec; 142(6):1003-1009.

4. Au DH, Curtis JR, Every NR, McDonell MB, Fihn SB. Association Between Inhaled Beta-Agonists and the Risk of Unstable Angina and Myocardial Infarction. *Chest* 2002; 121(3):846-51.
5. Fan VS, Au DH, Deyo RA, Heagerty PJ, McDonell MB, Fihn SD. Validation of Case-Mix Measures Derived from Self-Reports of Diagnoses and Health. *J Clin Epi* 2002; 55: 371-380.
6. Au DH, Udris EM, Fan VS, Curtis JR, McDonell MB, Fihn SD. Risk of Chronic Heart Failure Hospitalization and Mortality Associated with Inhaled Beta-Agonist Among Patients with Known Left Ventricular Systolic Dysfunction. *Chest* 2003; 123 (6):1964-1969
7. Au DH, Curtis JR, McDonell MB, Anderson SM, Fihn SD. Limited Internet Use by Patients Cared for in Veterans Affairs Medical Centers. *Federal Practitioner* 2003; 20(7): 35-51
8. Fan VS, Bryson CL, Curtis JR, Fihn SD, Bridevaux PO, McDonell MB, Au DH. Inhaled Corticosteroids and Risk of Death and Hospitalization: A Time Dependent Analysis. *Am J Resp Crit Care Med* 2003; 168(12):1488-94
9. Fihn SD, McDonell MB, Diehr P, Anderson SM, Bradley KA, Au DH, Spertus J, Burman ML, Reiber G, Kiefe C, Cody M, Sanders K, Whooley M, Rosenfeld K, Savigne A. Ineffectiveness of Routine Reporting of Patients' Self-Reported Health to Their Primary Care Physicians. *Am J Med.* 2004 Feb 15; 116(4):241-8.
10. Fan VS, Au DH, McDonell MB Fihn SD, Change in SF-36 Predicts Mortality and Hospitalizations. *J. Clin Epidem* 2004 March 53(3); 277-283.
11. Reiber GE, Au DH, McDonell MB, Fihn SD. Diabetes Quality Improvement in Department of Veterans Affairs Ambulatory Care Clinics: A Group-Randomized Clinical Trial. *Diabetes Care* 2004 May 27: B61-B68.
12. Smith NL, Chen LC, Au DH, McDonell MB, Fihn SD. Cardiovascular Risk Factor Control among Veterans with Diabetes: The Ambulatory Care Quality Improvement Project. *Diabetes Care* 2004 May 27: B33-B38.
13. Curtis JR, Engelberg RA, Nielsen EL, Au DH, Patrick DL. Patient-Physician Communication about End-of-Life Care for Patients with COPD. *European Respiratory Journal* 2004 Aug; 24(2):200-5.
14. Au DH, Udris EM, Curtis JR, McDonell MB, Fihn SD. Association between Chronic Heart Failure and Inhaled Beta-2 Adrenoceptor Agonists. *Am Heart Journal* 2004; 148:915-20.
15. \*Au DH, Bryson CL, Fan VS, Curtis JR, Udris EM, McDonell MB, Fihn SD. Beta-Blockers as Single Agent Therapy for Hypertension and the Risk of Mortality among Patients with Chronic Obstructive Pulmonary Disease. *Am J Med.* 2004 Dec 15; 117(12):925-31.
16. Au DH, Blough DK, Kirchdoerfer L, Weiss KB, Udris EM, Sullivan SD. Development of a Symptom Burden Assessment Tool for Patients with Chronic Bronchitis: The Chronic Bronchitis Symptoms Assessment Scale. *J COPD* 2005; 2:209-216
17. Curtis JR, Engelberg RA, Wenrich MD, Au DH. Communication about Palliative Care for Patients with Chronic Obstructive Pulmonary Disease. *J. Palliative Care* 2005; 21(3): 157-164.
18. Paimon T, Madtes DK, Au DH, Chien JW. Pretransplant Lung Function and the Risk for Early Respiratory Failure and Mortality After Allogeneic Stem Cell Transplantation. *Am J Resp Crit Care Med* 2005; Aug 172(3):384-90;
19. \*Au DH, Udris EM, Fihn SD, McDonell MB, Curtis JR. Differences in Health Care Utilization at the End-of-Life among patients with COPD and Patients with Lung Cancer. *Archives of Int Med* 2006 Feb 13;166(3):326-31.



20. \*, \*\*Parimon T, Au DH, Martin P, Chien JW. Pretransplant Assessment of Mortality Risk after Allogeneic Hematopoietic Cell Transplantation. *Ann Int. Med.* 2006 Feb 13;166(3):326-31. \*(All authors contributed equally)
21. Au DH, Kivlahan DR, Bryson CL, Blough DK, Bradley KA. Association of Alcohol Screening Scores with Hospitalizations for Liver Disease, Upper GI Bleeding, and Pancreatitis in Men. *Alcoholism: Clinical and Experimental Research* 2007, Feb 31(3):443-451.
22. Parimon T, Chien JW, Bryson CL, McDonell MB, Udris EM, Au DH. Inhaled Corticosteroids and Risk of Lung Cancer among Patients with COPD. *Am J Resp Crit Care Med* 2007 Apr 1;175(7):712-9.
23. Bryson CL, Au DH, Young BA, McDonell MB, Fihn SD. A Refill Adherence Algorithm for Multiple Short Intervals to Estimate Refill Compliance (ReComp). *Medical Care* 2007 Jun;45(6):497-504.
24. Au DH, Castro M, Krishnan JK. The Selection of Controls in Clinical Trials: Summary. *Proc Am Thorac Soc.* 2007 Oct 1;4(7):567-9.
25. Chien, JW, Au DH, Barnett MJ, Goodman GE. Spirometric Risk Factors for Rapid FEV<sub>1</sub> Decline and Lung Cancer among Asbestos Exposed Heavy Smokers. *J. COPD* 2007 Dec;4(4):339-46.
26. Dougherty CM, Pyper G, Au DH, Levy W, Sullivan MD. Drifting In a Shrinking Future: Living and Planning with Advanced CHF. *J Cardiovasc Nurs* 22: 480-487, 2007
27. Slatore CS, Littman AJ, Au DH, Satia JA, White E. Long-Term Use of Supplemental Multivitamins, Vitamin C, Vitamin E, and Folate Does Not Reduce the Risk of Lung Cancer. *Am J Respir Crit Care Med.* 2008 177(5):524-30.
28. Greene CC, Bradley KA, Bryson CL, Blough DK, Evans LE, Udris EM, Au DH. The Association Between Alcohol Consumption and Risk of COPD Exacerbation among the Veteran Population. *Chest.* 2008 Oct;134(4):761-7.
29. Lee TA, Pickard AS, Au DH, Bartle B, Weiss KB. Increased Risk of Cardiovascular and Respiratory Deaths Associated with Respiratory Medications in Recently Diagnosed COPD *Ann Int. Med* 2008 Sep 16;149(6):380-90.
30. Bryson CL, Au DH, Sun H, Williams E, Kivlahan DR, Bradley KA. Alcohol Screening Scores Are Associated with Adherence to Cardiovascular Risk Reduction Medications. *Ann Int. Med* 2008 Dec 2 ;149(11):795-804.
31. Joo, MJ Lee TA, Au DH, Fitzgibbon ML, Weiss KB. Medication Use Patterns Associated with Spirometry in diagnosing COPD. *J. COPD.* 2008: 5(6):360-8.
32. \*Slatore CS, Bryson CL, Au DH. The Association between Inhaled Corticosteroid Use and Serum Glucose Concentration in a Large Cohort. *Am J Med.* 2009,122(5): 472-478
33. Maciejewski ML, Chen SY, Au DH. Health and Economic Impacts of Different Approaches to Disease Management for Adults with Asthma. *Resp Care* 2009 Jul;54(7):878-86.
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79. Rinne S, Feemster L, Collins B, Au DH, Perkins M, Bryson CL, O T, Li Y. Glitazones are Associated with a Reduced Risk of Asthma Exacerbation Among Patients with Diabetes. Poster session presented at ATS International Conference May 2013 Philadelphia, PA
80. Rinne S, Liu CF, Wong ES, Hebert, PL, Au DH. Differences in Organizational Structure to Support Patients with CHF and COPD. Poster session presented at Academy Health Annual Research Meeting May 2014, San Diego, CA
81. Clark BJ, Rubinsky AD, Ho PM, Au DH, Moss M, Bradley KA. Alcohol Screening Scores and Risk of Intensive Care Unit Admission in The Veterans Affairs Health System. Mini Symposium at ATS International Conference May 2014, San Diego, CA
82. Norweg AM, Pickard S, Rolle AJ, Au DH, Carson SS, Collins EG, DeLisa J, Lindenauer PK, McBurnie MA, Mularski RA, Naureckas E, Vollmer WM, Wang E, Krishnan JA. Anxiety Moderates the Association of Dyspnea with Physical Function in People With COPD. Poster session presented at ATS International Conference May 2014, San Diego, CA
83. Wiener RS, Slatore CG, Bolton R, Koppelman E, Au DH, Clark JA. Attitudes of VA Pulmonologists Towards Implementation of Low Dose CT Screening for Lung Cancer: Results of A National Survey. Poster session presented at ATS International Conference May 2014, San Diego, CA
84. Clark BJ, Ho PM, Au DH, Bradley KA, Burnham EL, Moss M. Brief Versus Full Alcohol Use Disorders Identification Test for The Identification of Alcohol Misuse in Critical Illness. Poster session presented at ATS International Conference May 2014, San Diego, CA
85. Joo MJ, Au DH, Fitzgibbon M, Bunyan A, Vinicky M, Lee TA. Comparative Effectiveness of A COPD Assessment and Management Bundle Versus Usual Care: Baseline Characteristics. Poster session presented at ATS International Conference May 2014, San Diego, CA
86. Sumino K, Castro M, O'Brian K, Bartle B, Au DH, Lee TA. Impact of Consolidation of Combination Therapy in Obstructive Lung Disease. Poster session presented at ATS International Conference May 2014, San Diego, CA



87. Collins BF, Feemster LC, Uman J, Au DH. Obesity and Smoking Status: COPD Patient Ratings of Quality of Care. Poster session presented at ATS International Conference May 2014, San Diego, CA
88. Melzer AC, Uman J, Au DH. Predictors of Decreased Medication Adherence for Hypertensive Patients. Poster session presented at ATS International Conference May 2014, San Diego, CA
89. Slatore CG, Au DH, Golden SE, Ganzini L. Pulmonary Nodule Detection: Association of Patient-Clinician Communication with Distress. Poster session presented at ATS International Conference May 2014, San Diego, CA
90. Rinne ST, Collins BF, Perkins M, Au DH, Liu CF. Weekend Discharges After COPD Hospitalizations Are Not Associated with A Higher Risk of Readmission. Poster session presented at ATS International Conference May 2014, San Diego, CA
91. Rinne ST, Wong E, Hebert P, Au DH, Concato J, Liu CF. Average Facility Length of Stay for COPD Hospitalizations is Not Associated with Readmission or Mortality. Poster session presented at ATS International Conference May 2015, Denver, CO
92. Melzer AC, Au DH. Effectiveness of Post-Discharge Smoking Cessation Management Following Exacerbation of COPD. Presented at ATS International Conference May 2015, Denver, CO
93. Reinke LF, Feemster LC, McDowell J, Gunnick E, Tartaglione E, Udris E, Au DH. Long Term Impact of an End-of-Life Communication Intervention Among Veterans with COPD. Presented at ATS International Conference May 2015, Denver, CO
94. Rinne ST, Wong E, Hebert P, Au DH, Justice AC, Liu CF. Organizational Factors and Risk of Readmission Among Patients Hospitalized for COPD. Presented at ATS International Conference May 2015, Denver, CO
95. Feemster LC, Sulayman N, Engelberg R, Wright J, Curtis JR, Au DH. Patient Characteristics Are Not Associated with Outpatient COPD Care Quality. Presented at ATS International Conference May 2014, Denver, CO
96. Stefan MS, Au DH, Lindenauer PK, Mularski R, Krishnan J, Naureckas ET, Carson S. Physicians Attitudes Towards the Assessment and Management of Dyspnea in Hospitalized Patients. Poster session presented at ATS International Conference May 2015, Denver, CO
97. Frank J, Carey E, Fagan K, Aron D, Todd-Stenberg J, Moore B, Kerns R, Au DH, Ho PM, Kirsh S. Evaluation of a Telementoring Intervention for Pain Management in the Veterans Health Administration. Poster session presented at Academy Health Annual Research Meeting June 2015, Minneapolis, MN
98. Rinne ST, Liu CF, Wong E, Hebert P, Cook M, Au DH. Average Facility Length of Stay for Chronic Obstructive Pulmonary Disease Hospitalizations Is Not Associated with Readmission. Poster session presented at Academy Health Annual Research Meeting June 2015, Minneapolis, MN
99. Battaglia C, Lambert-Kerzner A, Aron DC, Sayre G, Ho M, Haverhals L, Stevenson L, Kirsh S, Au DH, Helfrich C. Evaluation of Electronic Consultations in the VHA: The Providers' Perspective. Poster session presented at Academy Health Annual Research Meeting June 2015, Minneapolis, MN
100. Wong E, Hebert P, Rinne ST, Au DH, Liu CF. Is Hospital Distance Associated with 30-Day Readmission Among Veterans Health Administration Enrollees? Poster session presented at Academy Health Annual Research Meeting June 2015, Minneapolis, MN
101. Zeliadt SB, Hammond K, Feemster LC, Pham E, Laundry R, Williams J, Takasugi J, Au DH. Development of a Natural Language Processing Tool to Categorize Radiology Findings and Assess Appropriateness of Follow-up. Poster session presented at Academy Health Annual Research Meeting June 2015, Minneapolis, MN

102. Zeliadt SB, Greene P, Pham E, Au DH. Using Electronic Medical Record Collected Smoking Status to Assess Performance of Providers in Delivering Cessation Support. Poster session presented at Academy Health Annual Research Meeting June 2015, Minneapolis, MN
103. Patino CM, Au DH, Lane CJ, Buist AS, Vollmer WM. Building Research Capacity in Middle and Low-Income Countries Through Research Methodology and Career Development Education. Poster session presented at ATS International Conference May 2016, San Francisco, CA
104. Zeliadt SB, Hammond KW, Laundry R, Takasugi JE, Feemster LC, Pham EH, Greene PA, Reinke LF, Dawadi S, Au DH. Natural Language Processing to Systematically Identify All Patients with Abnormal Pulmonary Imaging Findings in Radiology Text Reports. Poster session presented at ATS International Conference May 2016, San Francisco, CA
105. Gesthalter YB, Koppelman E, Slatore CG, Kinsinger L, Yoon S, Cain H, Tanner NT, Au DH, Clark J, Wiener RS. Lessons Learned from Early-Adopting Lung Cancer Screening Programs: Staff Perspectives on Implementation. Poster session presented at ATS International Conference May 2016, San Francisco, CA
106. Tukey MH, Clark J, Bolton R, Slatore CG, Au DH, Wiener RS. Readiness for Implementation of CT Lung Cancer Screening Within a National Healthcare System. Poster session presented at ATS International Conference May 2016, San Francisco, CA
107. Zeliadt SB, Hammond KW, Takasugi JE, Feemster LC, Laundry R, Pham EH, Greene PA, Dawadi S, Reinke LF, Helfrich CD, Au DH. Incomplete and Inappropriate Recommendations by Radiologists for Small and Stable Lung Nodules. Poster session presented at ATS International Conference May 2016, San Francisco, CA
108. Dawadi S, Zeliadt SB, Pham EH, Feemster LC, Takasugi JE, Greene PA, Kessler LG, Seixas N, Au DH. Frequency of Surveillance Imaging Following Diagnostic Chest CT Imaging. Poster session presented at ATS International Conference May 2016, San Francisco, CA
109. Lindenauer PK, Stefan MS, Feemster LC, Shieh MS, Carson SS, Au DH, Krishnan JA. Overuse of Antibiotics Among Patients Hospitalized for Exacerbations of Asthma. Poster session presented at ATS International Conference May 2016, San Francisco, CA
110. Melzer AC, Feemster LC, Crothers KA, Gillespie SE, Henderson AG, Krishnan JA, Lindenauer PK, McBurnie MA, Mularski RA, Naureckas ET, Pickard S, Au DH. Respiratory Symptoms Predict Motivation to Quit Smoking Among Smokers with and Without COPD. Poster session presented at ATS International Conference May 2016, San Francisco, CA
111. Patino CM, Au DH, Lane CJ, Buist AS, Vollmer WM. Building Research Capacity in Middle and Low-Income Countries Through Research Methodology and Career Development Education. Poster session presented at ATS International Conference May 2016, San Francisco, CA
112. Helfrich C, Hartmann C, Rose A, Winchester D, Zeliadt S, Majerczyk B, Au D. A Conceptual Framework for Developing De-Implementation Strategies Based on Un-Learning and Substitution. Poster session presented at Academy Health Annual Research Meeting June 2016, Boston, MA
113. Dawadi S, Zeliadt S, Pham E, Greene P, Feemster L, Takasugi J, Au D. Frequency of Surveillance Imaging Following Diagnostic Chest CT Imaging. Poster session presented at Academy Health Annual Research Meeting June 2016, Boston, MA
114. Zeliadt S, Hammond K, Laundry R, Takasugi J, Feemster L, Pham E, Greene P, Dawadi S, Au D. Natural Language Processing to Systematically Identify All Patients with Abnormal Pulmonary Imaging Findings in Radiology Text Reports. Poster session presented at Academy Health Annual Research Meeting June 2016, Boston, MA

115. Donovan LM, Feemster LC, Billings ME, Spece LJ, Griffith MF, Parsons EC, Palen BN, O'Hearn DJ, Redline SS, Au DH, Kapur VK. The Association of Smoking with Incident Cardiovascular Disease Increases with Rising Severity of Sleep Disordered Breathing in Women but Not Men. Poster session presented at ATS International Conference May 2017, Washington, DC
116. Griffith MF, Curtis JF, Engelberg RA, Donovan LM, Meltzer DO, Mor V, Au DH, Teno J. Identifying Nursing Home Patients at Risk of Functional Decline or Death Complicating Hospitalization for Pneumonia. Poster session presented at ATS International Conference May 2017, Washington, DC
117. Waagmeester G, Dominitz AJL, Spece LJ, Sulayman N, Au DH, Feemster LC. Variability and Predictors of Treatment for Outpatient COPD Exacerbations Poster session presented at ATS International Conference May 2017, Washington, DC
118. Griffith MF, Feemster LC, Donovan LM, Spece LJ, Plumley R, Rise, PJ, Udris E, Au DH. Inappropriate Inhaled Corticosteroid Use in VA Patients with Mild or Moderate COPD: Targets for a De-Escalation Program Poster session presented at ATS International Conference May 2017, Washington, DC
119. Donovan LM, Rise, PJ, Carson SS, Feemster LC, Griffith MF, Kapur VK, Krishnan JA, Lindenauer PK, Mularski RA, Naureckas ET, Palen BN, Parsons EC, Spece LJ, Vitello MV, Au DH. Airflow Obstruction Is Associated with Lower Ratings of Sleep Disturbance in Patients with Clinically Identified COPD. Poster session presented at ATS International Conference May 2017, Washington, DC
120. Spece LJ, Epler EM, Donovan LM, Griffith MF, Feemster LC, Au DH. Association of Cardiac Co-Morbidities with 30-Day Readmission in Veterans with Chronic Obstructive Pulmonary Disease Exacerbation. May 2017. Oral presentation at ATS International Conference. Washington, DC
121. Shanawani H, Ho M, Carey EP, Aron D, Au DH. Pulmonary E-Consults in the VA. Poster session presented at ATS International Conference May 2017, Washington, DC
122. Zeliadt S, Greene P, Au DH, Krebs P, Klein D, Ko B, Swanson L, Todd K, Feemster LC, Reinke LF, Slatore CG, Heffner J. A Controlled Pilot Trial of a Proactive Telephone Outreach Approach to Integrating Smoking Cessation into Delivery of Lung Cancer Screening. Poster session presented at ATS International Conference May 2017, Washington, DC
123. Zeliadt S, Greene P, Au DH, Krebs P, Klein D, Ko B, Swanson L, Todd K, Feemster LC, Au DH, Reinke LF, Heffner J. Knowledge Gaps and Biased Risk Perceptions Among Current Smokers Participating in Lung Cancer Screening. Poster session presented at ATS International Conference May 2017, Washington, DC
124. Sayre G, Wiener R, Helfrich C, Feemster L, Gillespie C, Stryczek K, Rinne S, Au D. De-Implementing Inhaled Steroids to Improve Care and Safety in COPD: Baseline Interviews from a Quality Improvement Effort. Poster session presented at Academy Health Annual Research Meeting June 2017, New Orleans, LA
125. Dawadi S, Zeliadt S, Pham E, Feemster L, Au D. Variation in Radiology Performance Associated with Detecting Suspicious Findings on Diagnostic Chest CT Imaging and the Role of Adjusting for Patient Characteristics. Poster session presented at Academy Health Annual Research Meeting June 2017, New Orleans, LA
126. Bender L, Zeliadt S, Greene P, Krebs P, Klein D, Ko B, Todd K, Feemster L, Au D, Reinke L, Slatore C, Heffner J. Knowledge Gaps and Biased Risk Perceptions Among Current Smokers Participating in Lung Cancer Screening. Poster session presented at Academy Health Annual Research Meeting June 2017, New Orleans, LA
127. Zeliadt S, Greene P, Krebs P, Klein D, Ko B, Todd K, Feemster L, Au D, Reinke L, Slatore C, Heffner J. Proactive Telephone Outreach for Integrating Smoking Cessation into Delivery of Lung Cancer Screening. Poster session presented at Academy Health Annual Research Meeting June 2017, New Orleans, LA

128. Griffith M, Feemster L.C., Donovan L, Spece L., Krishnan J.A., Lindenauer P.K., McBurnie M.A., Mularski R.A., Au D.H. Poor Metered-Dose-Inhaler (MDI) Technique as a Predictor of Inhaled Corticosteroid (ICS) Overuse in Chronic Obstructive Pulmonary Disease (COPD). Poster session presented at ATS International Conference May 2018, San Diego, CA
129. Spece L, Epler E, Griffith M, Donovan L.M., Au D.H., Feemster L.C. Reassessment of the Need for Oxygen Supplementation Varies by Hospital System and Remains Low in Patients with Chronic Obstructive Pulmonary Disease (COPD). Poster session presented at ATS International Conference May 2018, San Diego, CA
130. Donovan L.M., Malte C.A., Spece L.J., Griffith M.F., Feemster L.C., Engelberg R.A., Au D.H. Hawkins E.J. Risks of Long-Term Benzodiazepine Use Among Patients with Chronic Obstructive Pulmonary Disease and Posttraumatic Stress Disorder. Poster session presented at ATS International Conference May 2018, San Diego, CA
131. Triplette M, Donovan L.M., Rise P.J., Zeliadt S.B., Madtes D.K., Mularski R.A., Lindenauer P.K., Krishnan J.A., Carson S.S. Simplified Criteria for Predicting Lung Cancer Screening Eligibility: A Potential Clinical and Research Tool. Poster session presented at ATS International Conference May 2018, San Diego, CA
132. Rinne S., Wiener R.S., Chen Y., Rise P., Udris E., Plumley R., Lea C., Feemster L.C., Au D.H. Impact of Guideline Changes on Indications for Inhaled Corticosteroids Among Veterans with COPD. Poster session presented at ATS International Conference May 2018, San Diego, CA

### **Selected Recent Invited Presentations**

2008

1. What's new in COPD and the role of comorbidities, Medicine Grand Rounds 2008, University of Illinois-Chicago, IL
2. Chronic Obstructive Pulmonary Disease: Treatment and Controversies, Medicine Grand Rounds, 2008, University of Washington, Seattle, WA
3. Career talk: The Course: Session Chair, ATS International Meeting 2008, Toronto, Ontario, CA
4. Timelines and Transitions, Managing the Gauntlet to Associate Professor, In Career talk: The Course: ATS International Meeting 2008, Toronto, Ontario, CA
5. COPD Epidemiology: Assessing Prevalence and Risks: Facilitator, ATS International Meeting 2008, Toronto, Ontario, CA
6. COPD Treatment: Managed Care, Cost Effective Strategies, Disease Awareness and Barrier to Care: Facilitator, ATS International Meeting 2008, Toronto, Ontario, CA
7. The Effects of Insurance Status and Race on the Quality of Health Care, Session Chair, ATS International Meeting 2008, Toronto, Ontario, CA
8. The Effects of Obesity on Detection and Treatment of COPD, Speaker, in Obesity and its impact on lung health across the lifespan, ATS International Meeting 2008, Toronto, Ontario, CA
9. Psychosocial factors and health outcomes in COPD. Session Chair, ATS International Meeting 2008, Toronto, Ontario, CA

2009

1. The Unintended Consequences of Quality Incentives. In Measuring and Improving Quality in Pulmonary and Critical Care Medicine: A Practical Guide. ATS International Meeting 2009, San Diego, CA

2. Nuts and Bolts about Designing and Conducting Clinical Studies; ATS International Meeting 2009, San Diego, CA
3. Challenges and Opportunities to Improving COPD Care During Transitions Between Health Care Settings. Speaker, In AHRQ Chronic Obstructive Pulmonary Disease Outcomes Based Network for Clinical Effectiveness Research and Translation (CONCERT Consortium). ATS International Meeting 2009, San Diego, CA
4. Breakout group D: Does the Use of Gloves and Gowns in the ICU Reduce the risk of transmitting bacterial pathogens. Speaker in Nuts and Bolts about Designing and Conducting Clinical Studies. ATS International Meeting 2009, San Diego, CA
5. Practice Variation, Patient Behavior and Differences in Disease Susceptibility as Sources of Health Outcome Disparities. Session Chair, ATS International Meeting 2009, San Diego, CA
6. Lung Cancer Epidemiology, Facilitator, ATS International Meeting 2009, San Diego, CA
7. A Randomized Trial to Improve the Occurrence and Quality of Communication about End-of-Life Care among Patients with COPD. Measuring and Improving the Quality of Care in Lung Disease. ATS International Meeting 2009, San Diego, CA

#### 2010

1. Medical Management of the Lung Cancer Patient. Thematic Seminar Series, Lung Cancer: Challenges in diagnosis and management. ATS International Meeting 2010, New Orleans, LA
2. Innovative health services research to improve outcomes – Session Chair, ATS International Meeting 2010, New Orleans, LA
3. Variation in treatment of patients with COPD exacerbations. ATS International Meeting 2010, New Orleans, LA.
4. Ditzels and spots: how to organize a multidisciplinary lung nodule program. American College of Chest Physicians, 2010, Vancouver, BC.

#### 2011

1. Developing a national comparative effectiveness research agenda for patients with COPD. Washington University Pulmonary Grand Rounds. Washington University, St. Louis, MO
2. Pharmacoepidemiology of quality and adherence to medications for patients with COPD. Asthma and airways disease conference. Washington University, St. Louis, MO
3. Clinical Epidemiology. Moderator, Health Services Research and Development National Meeting, Washington DC.
4. Developing a comparative effectiveness research agenda for COPD. ATS International Meeting 2011, Denver Colorado
5. Now You've Got an Academic Job – What's Next? ATS International Meeting 2011, Denver Colorado
6. Late Breaking Clinical Trials. Session Chair, ATS International Meeting 2011, Denver Colorado

#### 2012

1. Grant fundamentals for clinical, community and public health researchers: Specific Aims and Hypothesis Formulation. ATS International Conferences 2012, San Francisco CA

2. Introduction: Scientific Symposium, Late-Breaking Clinical Trials. ATS International Conferences 2012, San Francisco CA

2013

1. Care Quality for Patients with COPD. Division of Pulmonary and Critical Care Medicine, University of Pennsylvania.
2. Patient adherence to pharmaceutical treatments for COPD: Should we care? Center of Clinical Epidemiology and Biostatistics. University of Pennsylvania
3. How good is care delivery for patients with COPD? March 2013, Division of Pulmonary and Critical Care Medicine, University of Michigan
4. Challenges Affecting Diagnosis, treatment, and health outcomes. Session Chair. ATS International Conferences 2013, San Francisco CA
5. Comparative Effectiveness Research in COPD. ATS International Conference May 2013, Philadelphia PA
6. Design of the LOTT Trial. ATS International Conference May 2013, Philadelphia PA
7. Hospital Readmissions: Defining the Role of The Practitioner, Scientist and Policymaker. ATS International Conference May 2013, Philadelphia PA
8. VA Research in the Management of Chronic Obstructive Pulmonary Disease. ATS International Conference May 2013, Philadelphia PA
9. What's Missing from the COPD Guidelines and Why? Vaccination, Smoking Cessation, Comorbidities and End of Life Care Planning. ATS International Conference May 2013, Philadelphia PA
10. Would the National Quality Forum (NQF) Endorse A Measure for COPD Self-Management? ATS International Conference May 2013, Philadelphia PA
11. How are we doing at delivering high quality COPD care? Sept 2013. Department of Medicine Grand Rounds. University of Washington, Seattle, WA

2014

1. Lies, Damn Lies. Hyperbole and other misperceptions of clinical trialists about comparative effectiveness research. January 2014. Oral presentation at 24th Annual Washington Thoracic Society Chest Conference, Leavenworth, WA
2. Are we delivering high quality care for patients with COPD? April 2014. Oral presentation at Department of Medicine Grand Rounds. MetroHealth System, Cleveland, OH
3. Patient Adherence to Pharmacological Treatments for COPD Should We Care? April 2014. Oral presentation at Department of Medicine Grand Rounds. MetroHealth System, Cleveland, OH
4. Meaningful Use and the EHR: Setting the Stage. May 2014. Oral presentation at ATS International Conference 2014, San Diego, CA
5. Developing Your ATS MECOR Research Grant Proposal. May 2014. Oral presentation at ATS International Conference 2014, San Diego, CA
6. Hospital Readmissions for COPD: Is this a Valid Measure of Quality? May 2014. Oral presentation at ATS International Conference 2014, San Diego, CA

7. COPD Treatment, Volume Reduction Surgery, and Supplemental Oxygen. Discussion Facilitator. May 2014. Oral presentation at ATS International Conference 2014, San Diego, CA
  8. Technology-Assisted New Models of Care: Implementation Challenges and Evaluation in the VA. Panelist. June 2014. Academy Health Annual Research Meeting, San Diego, CA
  9. The chronic care model – what works, what are we aiming for and what are the challenges? June 2014. Oral presentation at COPD9, Birmingham, UK
  10. Co-morbidities – common pathophysiology and management challenges in COPD. Introduction to care model. June 2014. Oral presentation at COPD9, Birmingham, UK
  11. A Pulmonologist Perspective of the Value of Smoking Cessation. July 2014. Oral presentation at Tobacco Cessation Clinical Update Audio Conference, Webinar
  12. Hospital readmissions: Do they reflect quality of care or the severity of disease? October 2014. Respiratory Expert Forum (Boehringer Ingelheim), Wicklow, Ireland
  13. Comparative Effective Research. October 2014. Chest 2014. Austin, TX.
- 2015
1. COPD hospital readmissions: Are we providing high quality care? February 2015. Oral presentation at Department of Medicine Grand Rounds. Boise VA, Boise, ID
  2. Novel Implementation of Care Models for Improving Patient Centered Care. May 2015. Oral presentation at ATS International Conference. Denver, CO
  3. Spirometry isn't for screening - so what is? June 2015. Oral presentation at COPD9, Chicago, IL
  4. Healthcare Planning and Delivery Enriching the Impact of Pulmonary Medicine in Health Systems. November 2015. Oral presentation at University of Illinois at Chicago. Chicago, IL
  5. Weighing Heavy on COPD: Complex Relationship Between Weight, Symptoms, and COPD. November 2015. Oral presentation at Department of Medicine Grand Rounds. University of Illinois at Chicago, Chicago, IL
- 2016
1. Patients at High Risk of Hospital Readmissions: Targeting Populations at High Risk for Readmission. May 2016. Oral presentation at ATS International Conference. San Francisco, CA
  2. Healthcare planning and delivery Enriching the impact of pulmonary medicine in health systems. May 2016. Oral presentation at ATS International Conference. San Francisco, CA
  3. Quality Improvement Framework to reduce readmissions. May 2016. Oral presentation at ATS International Conference. San Francisco, CA
- 2017
1. De-implementing low value health services. January 2017. HSR&D CyberSeminar
  2. Can we work together to improve COPD care? February 2017. Oral presentation at Joseph P. Lynch III Lecture. Hanover, NH
  3. De-implementation of Inhaled Steroids to improve Care & Safety of patients with COPD (DISCUSS COPD). March 2017. Health Care Systems Research Network Conference. San Diego, CA

4. De-implementation of Inhaled Steroids to Improve Care & Safety of Patients with COPD (DISCUSS COPD). March 2017. Oral presentation at Choosing Wisely: Addressing Low-Value Care through Interventions Conference, Webinar
5. Is Optimized Treatment of Exacerbations Enough to Optimize Prevention of Readmissions? May 2017. Oral presentation at ATS International Conference. Washington, DC
6. Epidemiology and Outcomes of COPD and Asthma/COPD Overlap. May 2017. Session Chair. ATS International Conferences. Washington, DC
7. Reducing Readmissions for COPD: Strategies, Issues, and Results. May 2017. Session Chair. ATS International Conferences. Washington, DC
8. Health Systems Approach to Engagement and Learning. May 2017. Oral presentation at ATS International Conference. Washington, DC
9. To Screen or Not to Screen - That Is the Question: If Hamlet Could Understand COPD. May 2017. Oral presentation at ATS International Conference. Washington, DC
10. INSIGHT COPD. May 2017. Oral presentation at ATS International Conference. Washington, DC

2018

1. Long-Term Oxygen Treatment Trial. What does it mean? January 2018. Oral presentation at Washington Thoracic Society Annual Chest Conference. Leavenworth, WA
2. COPD and Comorbidities. January 2018. Oral presentation at Washington Thoracic Society Annual Chest Conference. Leavenworth, WA
3. What is health services research, and how do I become a health services researcher? May 2018. Panelist at ATS International Conference. San Diego, CA
4. Grant writing for beginners - How to prepare and write a successful ATS MECOR grant. May 2018. Panelist at ATS International Conference. San Diego, CA