UW SCHOOL OF MEDICINE
CV Format for Faculty

1. David Hsiang-Shan Au

2. **Education:**

University of Chicago, Division of Biological Sciences, BA, June 1989

University of Chicago, Pritzker School of Medicine, MD, June 1993

University of Washington, School of Public Health, Division of Epidemiology, MS, December 1999

3. **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 2

4. **Faculty Positions Held:**

July 2001-June 2002	University of Washington, Department of Medicine, Division of Pulmonary and Critical Care Medicine: Acting Assistant Professor
July 2002-June 2007	University of Washington, Department of Medicine, Division of Pulmonary and Critical Care Medicine: Assistant Professor of Medicine
August 2004-June 2007	University of Washington, Department of Pharmacy, Pharmaceutical Outcomes Research and Policy Program: Adjunct Assistant Professor
July 2007-June 2012	University of Washington, Department of Pharmacy, Pharmaceutical Outcomes Research and Policy Program: Adjunct Associate Professor
July 2007-June 2012	University of Washington, Department of Medicine, Division of Pulmonary and Critical Care Medicine: Associate Professor
July 2012-Present	University of Washington, Department of Pharmacy, Pharmaceutical Outcomes Research and Policy Program: Adjunct Professor
July 2012-Present	University of Washington, Department of Medicine, Division of Pulmonary and Critical Care Medicine: Professor

5. **Hospital Positions Held:**

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

6. **Honors:**

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
2013-2019	American Board of Internal Medicine, Pulmonary Specialty Board – Examine Writing Committee
2021	American Thoracic Society Research Innovation and Translation Achievement Award
2023	Samuel J. Sills Distinguished Scholar, Trudeau Society

7. **Board Certification:** General Medical and Specialty Boards:

1996-2006 (expired)	Diplomate, American Board of Internal Medicine
2008-2028	Diplomate, American Board of Internal Medicine, Pulmonary Specialty Board
2009-2019 (expired)	Diplomate, American Board of Internal Medicine, Critical Care Medicine

8. **Current License(s) to Practice:**

Washington State Medical License: MD00033664
DEA #: upon request

9. **Professional Organizations:**

American Thoracic Society (Society level)

1997-2023	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
2018-2020	Awards Committee
2020-2022	Scientific Advisory 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)

10. **Education and Training Activities:**

a. Didactic Teaching:
Co-Director, Clinical Research Training Program, Division of Pulmonary and Critical Care Medicine, Department of Medicine, University of Washington

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)

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

b. Thesis committee membership:
Current

7/1/2022-Present	*Fernando Picazo MD Senior Fellow, University of Washington
7/1/2022-Present	*Sophia Hayes MD Senior Fellow, University of Washington
06/2023- Present	Joseph Joo, MD, Clinical Instructor, University of Washington, Division of General Internal Medicine

c. Advising/Mentorship:

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
7/1/2007-6/30/2019	Laura Cecere Feemster, MD MS: Associate Professor, Division PCCM, Department of Medicine, University of Washington
7/1/2008-6/30/2012	Courtney Greene, MD: Clinical Practice, Northwest Hospital
7/1/2010-7/2019	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
7/2012-1/2015, 5/2019-present	Anne Melzer, MD, Assistant Professor, Department of Medicine, University of Minnesota
10/2019-Present	Jacob A. Doll MD, Assistant Professor, University of Washington
7/1/2015-Present	Lucas Donovan, MD, Associate Professor, University of Washington
7/1/2015-7/2022	Laura Spece, MD, Assistant Professor, University of Washington
7/1/2015-7/2021	Matt Griffith, MD, Fellow, University of Colorado Denver
7/1/2018-6/2020	Alex Bryant, MD, Kaiser Permanente of Washington
7/1/2019-7/2024	Kevin Duan, MD, Assistant Professor, University of British Columbia

7/1/2022-Present	*Fernando Picazo MD Senior Fellow, University of Washington
7/1/2022-Present	*Sophia Hayes 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, Professor, Department of Medicine, University of Illinois, Section head, Pulmonary, Critical Care and Sleep Medicine, Jesse Brown VAMC
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, 7/1/2017-2022	Seppo Rinne, MD PhD, Associate Professor, Department of Medicine, Boston University
7/1/2012-12/21/2015	Leah M Backhus, MD, Associate Professor, Department of Thoracic Surgery, Stanford University
7/1/2012-7/1/2018	Steven B. Zeliadt, PhD, Professor, Department of Health Services, University of Washington
7/1/2018-7/1/2020	Thomas Keller, MD, Clinical Instructor, University of Washington
07/2022- Present	*Edward C Portillo, Pharm D, Assistant Professor. School of Pharmacy University of Wisconsin – Madison
06/2023-Present	Joseph Joo, MD, Clinical Instructor, University of Washington, Division of General Internal Medicine

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
Benjamin Murray, MD Internist, University of Washington, Seattle, WA
Tessa Steel, MD Internist, University of Washington, Seattle, WA

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

d. Curriculum and training program development: n/a

e. Other: n/a

11. **Editorial Responsibilities:**
    a. 2018-2023 Deputy Editor, Annals American Thoracic Society
    b. Ad hoc reviewing responsibilities*: NEJM, JAMA, Annals ATS, Chest, AJRCCM*

12. **Special Responsibilities and Service:**

a) International n/a

b) National

2005-present	National Committee for Quality Assurance, Respiratory Measurement Advisory Panel
2009-present	Chair
2005-2018	Member, American Lung Association, Fellowship Committee
2016-2018	Chair
2006-2016	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
2019-present	Chair
2012	Special Emphasis Panel, NHLBI: Ancillary Clinical Trials
2013-2016	Pulmonary, Critical Care Sleep Field Advisory Committee, Dept. Veterans Affairs.
2013-2019	American Board of Internal Medicine, Pulmonary Specialty Board Examination Writing Committee
2013	Respiratory Integrative Biology and Translational Research [RIBT] Study Section, NHLBI (ad hoc)
2013-2017	DSMB - Chair, PELICAN study (PI Krishnan, PCORI)
2014-2019	Field Research Advisory Committee, Department of Veterans Affairs
2014-2022	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
2015-2018	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.
2020-2021	Specialty care advisor, Office of Veteran Access to Care, VA Central Office (VACO) (Detail)
	2021-Present Deputy National Executive Program Director, Office of Pulmonary and Critical Care Medicine, Office of Specialty Care Services, Department of Veterans Affairs
2021-2023	Senior Consultant for Specialty Care, Clinical Resource Hubs, Office of Primary Care Services, Department of Veterans Affairs
2024	HSR MRA0 - Career Development Award Merit Review (Ad hoc)
2023-Present	Executive Director, Center for Care and Payment Innovation, Office of Healthcare Innovation and Learning, VHA.

c) **Regional**

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
2007-2023	Co-Director, Clinical Research Training Program, Division of Pulmonary and Critical

	Care Medicine
2008-2010	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
2012-2018	Director, 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
2015-2024	Director, Center of Innovation for Veteran-Centered and Value-Driven Care, VA Puget Sound Health Care System
2016-2018	Chair; Cardiology Section Head Search Committee, VA Puget Sound Health Care System
2018-2023	Co-lead, Current State Impact Puget Sound Research and National member Quality, Safety Value, Office of Electronic Health Record Modernization
2019- 2022	Ambulatory Council, National Pulmonary Medicine, Office of Electronic Health Modernization

d) **University of Washington**

13. **Clinical Activities**:

a. Attending Physician, Pulmonary and Critical Care Services, VA Puget Sound Health Care System, Seattle Division MICU service and Pulmonary Consult Service (3 weeks /year)

b. Research Funding:

a. Active

10/2022-10/2027	PCORI (Au Contract PCS-2021C2-23668) Pragmatic Trial to Enhance Quality, Safety, and Patient Experience in COPD – EQUIP-COPD ~$8,8,00,000 MPI, Contact PI Au DH (MPI Donovan LM)
7/2016-06/2025	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)

b. **Pending** **n/a**

c. **Past**

10/2013-9/2024	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 (relinquished PI 12/2023)
07/2018-06/2023	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

04/2018-05/2024	Department of Veteran Affairs, VA Merit Review, (U01HL142103) "Advancing care for COPD in people living with HIV by Implementing EVidence-based management through proactive Econsults (ACHIEVE)" $2,868,233 Contact PI: Au DH (MPI Crothers, Helfrich)
10/2017-09/2023	NIH/NHLBI: 1K12HL137940. The University of Washington Implementation Science Training Program. $2,816,000. MPI/Contact PI: Au DH (MPI Weiner, Curtis)
9/2018-6/2023	NIH/NHLBI: 16-071. "Promoting smoking cessation in lung cancer screening through proactive therapy: PROACT" $ 1,263,427. Co-I: Au DH (MPI Zeliadt)
10/2017-09/2021	Department of Veteran Affairs, VA Merit Review, (IIR 15-364). "VA HSR&D: DVD lifestyle Intervention Program (DELITE)." $1,200,000 PI: Au DH
5/2018-4/2021	Department of Veteran Affairs, VA Merit Review, (IIR 16-253). "Semi-parametric statistical methods for predicting high-cost VA patients using high-dimensional covariates" $536,805 Co-I: Au DH (MPI Zeliadt)
7/2016-6/2021	Department of Veteran Affairs, VA Merit Review, (IIR 14-346) "Palliative Care to Improve Quality of Life in CHF and COPD" $1,700,909 Role, Site PI Au (MPI Bekelman)
10/2015-9/2020	Department of Veterans Affairs, VA QUERI program project. (I01 HX002113-01). Improving safety and quality through evidence-based de-implementation of ineffective diagnostics andtherapeutics. PI of individual project entitled "Reducing the inappropriate use of inhaled corticosteroids" $ 4,000,000 Contact PI: Au, DH (MPI Helfrich C, Hartmann C).
7/2015-6/2020	NHLBI 1U01HL: 128868. "INtervention Study In overweiGHT patients with COPD" (INSIGHT COPD) $2,953,012 PI: Au DH
8/2015-7/2019	American Lung Association. American Lung Association. "Losartan Effects on Emphysema Progression Trial" (LEEP) Trial. $81,000 Co-PI: Au, DH (Co-PI Feemster, LC)
8/2015-7/2019	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)
4/2014 – 1/2018	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
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)
4/2015-9/2016	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)
5/2015 - 4/2016	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
5/2013-5/2015	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)
3/2011–3/2015	Department of Veteran Affairs, VA Merit Review, "Organizational Factors Related to Hospital Readmissions". (Role Co-I) PI: F. Liu
9/2013-9/2014	Centers for Disease Control, "Low Dose CT Lung Cancer Screening: Informed Decision Making and Smoking Cessation." (Role Co-I) PI: Zeliadt
9/2013-8/2014	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
10/2008-9/2013	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
10/2010-9/2013	Agency for Healthcare Research and Quality. "Enhancing comparative effectiveness research with standardized natural language processing of EMR data." (Role: Site PI): PI: Hazelhurst
10/2009-9/2012	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
10/2009-8/2012	National Heart Lung and Blood Institute. (1RC2HL101618-01). "COPD Outcomes-based Network for Clinical Effectiveness and Research Translation – Comparative Effectiveness Research". Direct $3,901797. PI: Au DH, Multiple PI: Carson SS, Krishnan JA, Lindenauer PK, McBurnie MA, Mularski RA.
7/2007-6/2012	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
5/2008-6/2011	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
7/2007-6/2011	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
1/2006-12/2009	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
1/2004-12/2007	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
7/2001-12/2006	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

c. **Bibliography**

a. 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 FEV1 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

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e. Other publications (e.g. group authorship that does not meet ICMJE criteria, in non-referred journals and letters to the editor) NA

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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, Mulareski 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.

133. Zeliadt S, Heffner JL, Krebs P, Wheat CL, Johnson HM, Feemster LC, Au DH. Gaps in Tobacco Treatment Among Current Smokers Receiving Lung Cancer Screening Through the Veterans Health Administration. Poster session presented at ATS International Conference May 2019, Dallas, TX.

134. Murray BR, Spece LJ, Epler EM, Feemster LC, Au DH. Diagnostic Uncertainty as a Barrier to Guideline-Directed Care for Exacerbations of Chronic Obstructive Pulmonary Disease (COPD). Poster session presented at ATS International Conference May 2019, Dallas, TX.

135. Griffith M, Feemster LC, Zeliadt S, Donovan LM, Spece LJ, Au DH. Overuse and Misuse of Inhaled Corticosteroids Among Patients with COPD: Evaluating Patient, Provider and Clinic Level Targets for De-Implementation. Poster session presented at ATS International Conference May 2019, Dallas, TX.

136. Keller T, Spece LJ, Donovan LM, Udris E, Griffith M, Bryant A, Bailey WC, Casaburi R, Diaz PT, Fuhlbrigge AL, Kanner RE, Martinez FJ, Sciurba FC, Sternberg A, Stoller JK, Wise RA, Yusen RD, Au DH, Feemster LC. The Association of COPD Inhaler Regimen on Mortality and Hospitalization: A Secondary Analysis of the Long-Term Oxygen Treatment Trial. Poster session presented at ATS International Conference May 2019, Dallas, TX.

137. Leitao Filho FSS, Mattman A, Schellenberg R, Criner GJ, Woodruff P, Albert RK, Connett J, Lazarus SC, Han MK, Martinez FJ, Fuhlbrigge AL, Stoller JK, MacIntyre NR, Stibolt T, Casaburi R, Diaz P, Panos RJ, Cooper, Jr. JD, Gay SE, Sciurba FC, Kanner RE, Au DH, Yusen RD, Bailey WC, Pike KC, Fan VS, Leung JM, Paul Man SF, Aaron SD, Reed RM, Sin DD. Hypogammaglobulinemia as a Predictor of Hospitalizations in COPD: A Meta-Analysis. Poster session presented at ATS International Conference May 2019, Dallas, TX.

138. Wilson RC, Wise RA, Kaminsky DA, Irvin CG, Anstrom K, Au DH, Han MK, Holbrook JT, Ma J, Martinez FJ, Woodruff P, Brooks M, Wisniewski SR, Sciurba FC. Spirometry End of Test Volume (EOTV) ATS/ERS Standards in COPD: Lessons from the Pulmonary Trials Cooperative Spirometry Quality Assurance Program. Poster session presented at ATS International Conference May 2019, Dallas, TX.

139. Sculley J, Cattamanchi A, Gamino AJ, Asche CV, Au DH, Collins EG, Sullivan JL, Erwin K, Feemster LC, Stefan MS, Lindenauer PK, Basu, S, Carson SS, Johnson TP, Vollmer WM, Krishnan JA. The Nine Chains of Care for Home Oxygen During Hospital-to-Home Transitions in Patients with COPD Exacerbations. Poster session presented at ATS International Conference May 2019, Dallas, TX.

140. Lindenauer PK, Stefan MS, Priya A, Au DH, Feemster LC, Tan AM, Krishnan JA. Receipt of Home Oxygen Prior to Admission Is an Independent Risk Factor for Readmission and Death Among Medicare Beneficiaries Hospitalized for COPD, Whose Prevalence Varies Across US Hospitals. Poster session presented at ATS International Conference May 2019, Dallas, TX.

141. Bryant A, Spece L, Donovan LM, Keller T, Griffith M, Feemster LC, Au DH. Association of Pneumonia with Care Services, Readmission, and Death Among Veterans Hospitalized for Chronic Obstructive Pulmonary Disease. Poster session presented at ATS International Conference May 2019, Dallas, TX.

142. Donovan LM, Malte CA, Spece LJ, Griffith M, Feemster LC, Zeliadt SB, Au DH, Hawkins EJ. Long-Term Benzodiazepine Use Among Patients with Chronic Obstructive Pulmonary Disease and Comorbid Posttraumatic Stress Disorder. Poster session presented at ATS International Conference May 2019, Dallas, TX.

143. Spece L, Helfrich C, Griffith M, Donovan LM, Keller T, Bryant A, Feemster LC, Au DH. Self-Reported Knowledge of the Harms and Benefits of Inhaled Therapies and Primary Care Prescribing Practices in COPD. Poster session presented at ATS International Conference May 2019, Dallas, TX.

17. **Talks and presentations (including CME presentations and abstracts accepted at conferences).** Specify dates and

name of event and type of presentation.

a. Invited talk and presentations (specify whether international, national, regional or local)

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, CO

5. Now You've Got an Academic Job – What's Next? ATS International Meeting 2011, Denver, CO

6. Late Breaking Clinical Trials. Session Chair, ATS International Meeting 2011, Denver, CO

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. Philadelphia, PA

2. Patient adherence to pharmaceutical treatments for COPD: Should we care? Center of Clinical Epidemiology and Biostatistics. University of Pennsylvania. Philadelphia, PA

3. How good is care delivery for patients with COPD? March 2013, Division of Pulmonary and Critical Care Medicine, University of Michigan. Ann Arbor, MI

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 (Boehrnger 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

2019

1. April 2019. Oral presentation at Pulmonary & Critical Care Medicine Grand Rounds. Cleveland, OH

2. Research Plan Basics. May 2019. Panelist at ATS International Conference. Dallas, TX

3. Changing the Role of Specialty Medicine in Population Health. September 2019. Oral presentation at Pulmonary Grand Rounds. Baltimore, MD

4. COPD Quality. September 2019. Oral presentation at Lung Research Conference. Baltimore. MD

5. Role of Specialty Medicine in Population Health Management: Driving Quality and Value in COPD Care. September 2019. Oral presentation at Grand Rounds. Boise, ID

2020

1. Don't expect others to improve quality-of-care. July 2020. Oral presentation at Care Improvement Research Team (CIRT) seminar. Pasadena, CA

2. Getting to patient-centered care through time and space. May 2020. Oral presentation at PCCSM Grand Rounds. Seattle, WA

2021

1. The Diagnosis & Management. April 2021. Oral presentation at American Lung Association's COPD Educator Course. Online

2. The Diagnosis & Management. October 2021. Oral presentation at American Lung Association's COPD Educator Course. Online

3. Role of clinicians and organizational leaders in building IS capacity NIH Workshop Implementation Science Capacity Building 12/2021

2022

1. Mock Study Section for R01 Grant Review 6. May 2022. Oral presentation at ATS International Conference. San Francisco, CA

2. Intervention Study in Overweight Patients with COPD (INSIGHT COPD): A Pulmonary Trials Cooperative Randomized Clinical Trial. May 2022. Oral presentation at ATS International Conference. San Francisco, CA

3. Driving quality of care for COPD using population health tools and levers. Peking University Chronic Disease Airway Forum, Beijing, China (virtual) 6/2022

4. Establishing Diagnosis and Managing COPD. October 2022. Oral presentation at American Lung Association's COPD Educator Course. Online

2023

1. Health service delivery and using behavioral economics to change care. February 2023. Northwell Health, Lung Institute Grand Rounds. Online.

2. COPD – Getting Beyond Inhalers and Other Fun Facts. March 2023. Harbor UCLA Grand Rounds, Los Angeles CA

3. COPD – Getting Beyond Inhalers and Other Fun Facts. March 2023. Greater Los Angeles VA Health System

4. Mismatched Love: Addressing Asymmetry to Drive Care in COPD March 2023. Sam Sills Distinguished Lecture, Trudeau Society, Los Angeles CA

5. Mismatched Love: Addressing Asymmetry to Drive Care in COPD. March 2023 Cedars Sinai, Los Angeles CA

6. Center for Care and Payment Innovation. IEX Washington DC. Nov 2023

7. An Option, But Not the Priority: Closing the COPD Care Quality Gap. Dec 2023 PCCSM Grand Rounds Yale University, New Haven CT

b. Other conference presentations (specify whether oral or poster presentation)

18. **Other employment** – Only include if gaps occur in activities listed above.