

Group (www.per.pitt.edu), University of Pittsburgh

6/2009 – 6/2018	University of Pittsburgh	Core Faculty Center for Research on Health Care
4/2009 - Present	University of Pittsburgh	Graduate Faculty
Oct 1, 2007 – Sep 30 2012	Graduate School of Public Health University of Pittsburgh	Assistant Professor Health Policy and Management
Non-Academic 1999 - 2000	Nortel Networks Greater China Beijing, China	Business Specialist
2000 – 2001	IBM Greater China Beijing, China	Financial Analyst

MEMBERSHIP in PROFESSIONAL and SCIENTIFIC SOCIETIES

2017-Present	Member, Australian Health Economics Society
2017-Present	Member, Health Services Research Association of Australia & New Zealand
2008	Member, Society of General Internal Medicine
2007 – Present	Member, American Society of Health Economics
2007 – Present	Member, International Health Economics Association
2006 – 2011	Member, American Economic Association
2006 – Present	Member, AcademyHealth
2006	Member, Association for Public Policy Analysis and Management

HONORS and AWARDS

2020-2024	Australian Research Council Australian Future Fellowship award
2019	FBE-Visitor Scholar Grant
2016 - 2017	Australian-American Health Policy Fellowship
1/2016	Senior author on a paper that won 1st place at the American Heart Association's 24th annual Fellows Research Day
2012, 2014, 2017	Honors Convocations Award Recipient, University of Pittsburgh
4/2010	Finalist for the National Institute for Health Care Management Foundation (NIHCM)'s Sixteenth Annual Research Award
3/2009	Excellence in Mental Health Policy and Economics Research Award, awarded by the International Center for Mental Health Policy and Economics
5/2008	Best New Investigator Podium Presentation Award at the ISPOR 13th Annual International Meeting, Toronto, Canada
4/2008	Finalist for the Hamolsky award for junior faculty at the Society of

	General Internal Medicine
2006 – 2007	Thomas O. Pyle Fellow, Harvard Medical School
2005 – 2006	Pharmaceutical Policy Research Fellow, Harvard Medical School and Harvard Pilgram Health Care
2004 – 2006	Alfred P. Sloan Foundation Doctoral Dissertation Fellowship
1997 – 1999	Hong Kong Hang Seng Bank Overseas Scholarship (1 in 2 selected in China in 1997 to receive full tuition and stipend supports to study at Harvard for a two-year Master's degree)
1996	Outstanding College Graduate of Beijing
1996	summa cum laude. Renmin University of China
1995	University Presidential Scholarship

PUBLICATIONS

Peer-reviewed Publications (*denotes corresponding author)

Publications in Economics Journals (n=9):

1. Zhang Y*, Newhouse JP, Baicker K. Are Drugs Substitutes or Complements for Intensive (and Expensive) Medical Treatment? *American Economic Review*. 2011 May; 101 (3):393-97. PMID: 3778446 (A**; ABDC ranked A*; InCites 5-year impact factor 5.140; ranked 9/345 in Economics).
2. Liu L, Zhang Y*. Does non-employment based health insurance promote entrepreneurship? Evidence from a policy experiment in China. *Journal of Comparative Economics*. May 2017. <https://doi.org/10.1016/j.jce.2017.04.003>.
3. Zhang Y, Ma Q, Chen Y, Gao H. Effects of Public Hospital Reforms on Inpatient Expenditures in Rural China. *Health Economics*. 2016 Feb. doi: 10.1002/hec.3320 (ABDC ranked A*; InCites 5-year impact factor 2.557; ranked 36/88 in Health Care Sciences & Services).
4. Kaplan CM, Zhang Y*. Anticipatory Behavior In Response To Medicare Part D's Coverage Gap. *Health Economics*. 2016 Jan. doi: 10.1002/hec.3311. (ABDC ranked A*).
5. Kaplan CM, Zhang Y*. The January Effect: Medication Reinitiation among Medicare Part D Beneficiaries. *Health Economics*. 2014 Nov 14; 23 (11):1287-300. PMID: 3841288 (ABDC ranked A*).
6. Kaplan C, Zhang Y*. Assessing the comparative-effectiveness of antidepressants commonly prescribed for depression in the US Medicare population. *The journal of mental health policy and economics*. 2012 Dec; 15 (4):171-8. PMID: PMC3608926. PMID: 23525835.
7. Baik SH, Rollman BL, Reynolds CF 3rd, Lave JR, Smith KJ, Zhang Y*. The effect of the US Medicare Part D coverage gaps on medication use among patients with depression and heart failure. *The Journal of Mental Health Policy and Economics*. 2012 Sep; 15 (3):105-18. PMID: PMC3471664. PMID: 23001279.
8. Zhang Y*. Cost-saving effects of olanzapine as long-term treatment for bipolar disorder. *The journal of mental health policy and economics*. 2008 Sep; 11 (3):135-46. PMID: 18806303.
9. Huskamp HA, Frank RG, McGuigan K, Zhang Y. The Impact of A Three-Tier Formulary on Demand Response for Prescription Drugs. *Journal of Economics and Management Strategy*. 2005; 14 (3):729-753. PMID: 18509214.

Publications in Top 1-2 Medical and Health Policy Journals (top two journals in the field: NEJM n=4; JAMA series n=9; Health Affairs n=6)

10. Rishel C, Zhang Y, and Sun E. Association between Preoperative Benzodiazepine Use and

Postoperative Opioid Use and Healthcare Costs. JAMA Network Open. (accepted on July 20, 2020)

11. San-Juan-Rodriguez A, Zhang Y, He M, Hernandez I. Association of Antidementia Therapies with Time to Skilled Nursing Facility Admission and Cardiovascular Events among Elderly Adults with Alzheimer Disease. JAMA Network Open; March 2019;2(3):e190213. doi:10.1001/jamanetworkopen.2019.0213
12. Hernandez I, He M, Brooks M, Zhang Y. Exposure-Response Association between Concurrent Opioid and Benzodiazepine Use and Risk of Opioid-Related Overdose in Medicare Part D Beneficiaries. JAMA Network Open. June 2018;1(2):e180919. doi:10.1001/jamanetworkopen.2018.0919.
13. Zhang Y*, Baicker K, Newhouse JP. Geographic variation in the quality of prescribing. The New England journal of medicine. 2010 Nov 18; 363 (21):1985-8. PMID: PMC3047447. PMID: 21047217 (A**, InCites 5-year impact factor 56.17; ranked 1/155 in Medicine, General & Internal; 112 google scholar citations.)
14. Zhang Y*, Baicker K, Newhouse JP. Geographic variation in Medicare drug spending. The New England journal of medicine. 2010 Jul 29; 363 (5):405-9. PMID: PMC3364516. PMID: 20538621 (A**, InCites 5-year impact factor 56.17; ranked 1/155 in Medicine, General & Internal)
15. Zhang Y*, Donohue JM, Lave JR, O'Donnell G, Newhouse JP. The effect of Medicare Part D on drug and medical spending. The New England journal of medicine. 2009 Jul 2; 361 (1):52-61. PMID: PMC2859614. PMID: 19571283. (A**, InCites 5-year impact factor 56.17; ranked 1/155 in Medicine, General & Internal)
16. Zhang Y*, Baik SH, Fendrick AM, Baicker K. Comparing local and regional variation in health care spending. The New England journal of medicine. 2012 Nov; 367 (18):1724-31. PMID: PMC3490218. PMID: 23113483. (A**, InCites 5-year impact factor 56.17; ranked 1/155 in Medicine, General & Internal)
17. Zhang Y*, Baik SH, Zhou L, Reynolds CF, Lave JR. Effects of Medicare Part D coverage gap on medication and medical treatment among elderly beneficiaries with depression. JAMA Psychiatry (formerly Archives of General Psychiatry). 2012 Jul; 69 (7): 672-9. PMID: PMC3390754. PMID: 22752233.
18. Zhang Y*, Lee BY, Donohue JM. Ambulatory antibiotic use and prescription drug coverage in older adults. JAMA Internal Medicine (formerly Archives of internal medicine). 2010 Aug 9; 170 (15):1308-14. PMID: 20696953. (InCites 5-year impact factor 14.063; ranked 6/155 in Medicine, General & Internal)
19. Zhang Y*, Steinman MA, Kaplan CM. Geographic variation in outpatient antibiotic prescribing among older adults. JAMA Internal Medicine (formerly Archives of internal medicine). 2012 Oct 22; 172 (19):1465-71. PMID: PMC3530642. (InCites 5-year impact factor 14.063; ranked 6/155 in Medicine, General & Internal)
20. Hernandez I, Zhang Y*. Risk of Bleeding with Dabigatran in 2010-2011 Medicare Data. JAMA Internal Medicine. 2015 Jul; 175 (7):1245-7. doi: 10.1001/jamainternmed.2015.1299. (InCites 5-year impact factor 14.063; ranked 6/155 in Medicine, General & Internal)
21. Hernandez I, Baik S, Pinera A, Zhang Y*. Risk of Bleeding With Dabigatran in Atrial Fibrillation. JAMA Internal Medicine. 2015;175(1):18-25. (InCites 5-year impact factor 14.063; ranked 6/155 in Medicine, General & Internal)
22. Zhang Y*, Wu SH, Fendrick AM, Baicker K. Variation in medication adherence in heart failure. JAMA Internal Medicine. 2013 Mar 25; 173 (6):468-70. PMID: PMC3609904. PMID: 23400219. (InCites 5-year impact factor 14.063; ranked 6/155 in Medicine, General & Internal)
23. Zhang Y*, Zhou L, Gellad WF. Potential savings from greater use of \$4 generic drugs. JAMA Internal Medicine (formerly Arch Intern Med) 15 Mar 2011; 171(5): 468-9.

24. Zhang Y*, Zhou C, Baik SH. A simple change to the Medicare part d low-income subsidy program could save \$5 billion. *Health Affairs (Project Hope)*. 2014 Jun 1; 33 (6):940-5. PMID: 24889942. (A**; ABDC not ranked; InCites 5-year impact factor 5.190; ranked 1/88 in Health Care Sciences & Services)
25. Zhang Y*, Baik S, Newhouse JP. Use of intelligent assignment to Medicare Part D plans for people with schizophrenia could produce substantial savings. *Health Affairs*. 2015; 34 (3):455-460. PMC4349210. (A**; ABDC not ranked; InCites 5-year impact factor 5.190; ranked 1/88 in Health Care Sciences & Services).
26. Zhou C, Zhang Y. The vast majority of Medicare Part D beneficiaries still don't choose the cheapest plans that meet their medication needs. *Health affairs (Project Hope)*. 2012 Oct; 31 (10):2259-65. PMID: 23048107. (A**; ABDC not ranked; InCites 5-year impact factor 5.190; ranked 1/88 in Health Care Sciences & Services)
27. Gellad WF, Donohue JM, Zhao X, Zhang Y, Banthin JS. The financial burden from prescription drugs has declined recently for the nonelderly, although it is still high for many. *Health affairs (Project Hope)*. 2012 Feb; 31 (2):408-16. PMID: 22323172. (A**; ABDC not ranked; InCites 5-year impact factor 5.190; ranked 1/88 in Health Care Sciences & Services)
28. Zhang Y*, Donohue JM, Newhouse JP, Lave JR. The effects of the coverage gap on drug spending: a closer look at Medicare Part D. *Health affairs (Project Hope)*. 2009; 28 (2):w317-25. PMID: 19189991. (A**; ABDC not ranked; InCites 5-year impact factor 5.190; ranked 1/88 in Health Care Sciences & Services)
29. Zhang Y*, Soumerai SB. Do newer prescription drugs pay for themselves? A reassessment of the evidence. *Health affairs (Project Hope)*. 2007; 26 (3):880-6. PMID: 17485770. (A**; ABDC not ranked; InCites 5-year impact factor 5.190; ranked 1/88 in Health Care Sciences & Services)

Publications in Medical and Health Services Research Journals, top 2-25 percentiles (n=40):

30. Meiqi He, James M. Stevenson, Yuting Zhang, and Inmaculada Hernandez. Risk Factors for Cardiovascular Events in Patients on Antidementia Medications, *American Journal of Alzheimer's Disease and Other Dementias* (accepted on April 6 2020). Online first DOI: [10.1177/1533317520922380](https://doi.org/10.1177/1533317520922380)
31. Lanting Yang, Maria M. Brooks, Nancy W. Glynn, Yuting Zhang, Samir Saba, Inmaculada Hernandez. Real-World Direct Comparison of the Effectiveness and Safety of Apixaban, Dabigatran, Rivaroxaban, and Warfarin in Medicare Beneficiaries with Atrial Fibrillation. *The American Journal of Cardiology*. 2020 Jul 1;126:29-36. doi:10.1016/j.amjcard.2020.03.034. Epub 2020 Apr 10
32. Cade Shadbolt, Daniel Gould, Ximena Camacho, Josh Knight, Siddharth Rele, Yuting Zhang, Michelle Dowsey, and Peter Choong. Preoperative opioid use and complications following total joint replacement: A protocol for a systematic review and meta-analysis. *BMJ Open*. June 2020;10:e035377. doi:10.1136/bmjopen-2019-035377
33. Zhang Y*, Mendez S, Scott A. Factors Affecting General Practitioners' Decisions to Adopt New Prescription Drugs – Cohort Analyses Using Australian Longitudinal Physician Survey Data. *BMC Health Services Research*. Feb 2019; 19(1): 94. doi:10.1186/s12913-019-3889-4
34. Zhang Y*, Baik SH, Zuvekas SH. Simulating Variation in Families' Spending Across Marketplace Plans. *Health Services Research*. Aug 2018; 53(4). DOI: 10.1111/1475-6773.12831.
35. Hernandez I*, He M, Zhang Y. Comparing State, Regional, and Local Variation in Concurrent

- Opioid and Benzodiazepine Use. *Drug and Alcohol Dependence*. 2018 Oct 1;191:141-144. doi:10.1016/j.drugalcdep.2018.06.033. Epub 2018 Aug 7
36. Cole Evan, Leighton Cassandra, Zhang Y. Distribution of Visits for Chronic Conditions Between Primary Care and Specialist Providers in Medicare Shared Savings Accountable Care Organizations. *Medical Care*. 2018 May;56(5):424-429. doi: 10.1097/MLR.0000000000000903.
 37. Hernandez I*, Zhang Y, Saba S. Effectiveness and Safety of Direct Oral Anticoagulants and Warfarin, Stratified by Stroke Risk in Patients with Atrial Fibrillation. *American Journal of Cardiology*. 2018 Jul 1;122(1):69-75. doi: 10.1016/j.amjcard.2018.03.012.
 38. Hospodar AR, Smith KJ, Zhang Y, Hernandez I. Comparing the Cost-effectiveness of Non-Vitamin K Antagonist Oral Anticoagulants with Well-managed Warfarin for Stroke Prevention in Atrial Fibrillation Patients at High Risk of Bleeding. *Am J Cardiovasc Drugs*. 2018 May 9. doi: 10.1007/s40256-018-0279-y
 39. Gray M, Saba S, Zhang Y, Hernandez I*. Outcomes of Atrial Fibrillation Patients Newly Recommended for Oral Anticoagulation under the 2014 AHA/ACC/HRS Guideline. *Journal of the American Heart Association*. 2018 Jan 4;7(1). pii: e007881. doi: 10.1161/JAHA.117.007881.
 40. Hernandez I*, Saba S, Zhang Y. Geographical Variation in the Use of Oral Anticoagulation Therapy in Stroke Prevention in Atrial Fibrillation. *Stroke*. 2017 Aug;48(8):2289-2291. doi: 10.1161/STROKEAHA.117.017683.
 41. Zhang Y*, Caines K, Powers CA. Evaluating the Effects of Pioneer Accountable Care Organizations on Medicare Part D Drug Spending and Utilization. *Medical Care*. Jan 2017. Online first: DOI: 10.1097/MLR.0000000000000686.
 42. Hernandez I*, Zhang Y, Saba S. Comparison of the Effectiveness and Safety of Apixaban, Dabigatran, Rivaroxaban and Warfarin in Newly Diagnosed Atrial Fibrillation. *American Journal of Cardiology*. 2017 Nov 15;120(10):1813-1819. doi: 10.1016/j.amjcard.2017.07.092.
 43. Zhang Y*, Hueser H, Hernandez I. Comparing the Approval and Coverage Decisions of New Oncology Drugs in the US and Other Selected Countries. *Journal of Managed Care & Specialty Pharmacy*. 2017 Feb;23(2):247-254. doi: 10.18553/jmcp.2017.23.2.247.
 44. Zhang Y, Tang W, Zhang Y, Liu L, Zhang L. Effects of Integrated Chronic Care Models on Hypertension Outcomes and Spending: a Multi-town Clustered Randomized Trial in China. *BMC Public Health*. 2017 Mar 11;17(1):244. doi: 10.1186/s12889-017-4141-y.
 45. Driessen J, Zhang Y. Trends in the Inclusion of Mental Health Providers in Medicare Shared Savings Program ACOs. *Psychiatric Services*. Jan 2017; online first: doi: 10.1176/appi.ps.201600119.
 46. Hernandez I, Smith KJ, and Zhang Y*. Cost-Effectiveness of Non-Vitamin K Antagonist Oral Anticoagulants for Stroke Prevention in Patients with Atrial Fibrillation at High Risk of Bleeding. *Thrombosis Research*. Oct 2016; online first: DOI: 10.1016/j.thromres.2016.10.006.
 47. Baik S, Hernandez I, Zhang Y*. Evaluating the Initiation of Novel Oral Anticoagulants in Medicare Beneficiaries. *Journal of Managed Care & Specialty Pharmacy*. 2016 Mar;22(3):281-92. doi: 10.18553/jmcp.2016.22.3.281.
 48. Hernandez I, Zhang Y*, Brooks MM, Chin P, Saba S. Anticoagulation Use and Clinical Outcomes Following Major Bleeding on Dabigatran or Warfarin in Atrial Fibrillation. *Stroke*. 2017 Jan;48(1):159-166. doi: 10.1161/STROKEAHA.116.015150. NIHMS828666.
 49. Jarlenski M, Baik S, Zhang Y. Trends in use of medications for smoking cessation in Medicare Part D, 2007-2012. *American Journal of Preventive Medicine*. 2016 Mar 29. doi:10.1016/j.amepre.2016.02.018. PMC4992646.
 50. Driessen J, Baik SH, Zhang Y. Explaining improved use of high-risk medications in Medicare between 2007 and 2011. *Journal of the American Geriatrics Society*. 2016 Apr

- 15;appips201500316. doi:10.1176/appi.ps.201500316. PMC4806390.
51. Driessen J, Baik S, Zhang Y. Trends in off-label use of second-generation antipsychotics in the Medicare population from 2006 to 2012. *Psychiatric services*. 2016 Aug 1;67(8):898-903. doi: 10.1176/appi.ps.201500316.
 52. Zhang Y*, Talisa V, Baik S. Part D Plan Switching among Medicare Beneficiaries with Schizophrenia. *Psychiatric Services*. 2015 Oct; 66 (10):1105-1108. PMC4591078.
 53. Hou Z, Meng Q, Zhang Y. Hypertension Prevalence, Awareness, Treatment and Control Following China's Health Care Reform. *American Journal of Hypertension*. 2016 Apr;29(4):428-31. doi: 10.1093/ajh/hpv125.
 54. Driessen J, Steenrod J, Stevans J, James AE III, Minnier T, Reynolds B, Zhang Y. Innovative approaches to interprofessional care at the University of Pittsburgh Medical Center. *Journal of Interprofessional Care*. 2015;29(5):520-1. doi: 10.3109/13561820.2015.1040114.
 55. Hou Z, Chang J, Yue D, Fang H, Meng Q, Zhang Y. Determinants of willingness to pay for self-paid vaccines in China. *Vaccine*. 2014 Jul 31;32(35):4471-7. doi: 10.1016/j.vaccine.2014.06.047.
 56. Zhang Y*, Baik S. Race/ethnicity, Disability, and Medication Adherence Among Medicare Beneficiaries with Heart Failure. *Journal of general internal medicine*. 2014 Apr; 29 (4):602-7. PMID: 3965752
 57. Zhang Y*, Kaplan CM, Baik SH, Chang CC, Lave JR. Medication adherence and readmission after myocardial infarction in the Medicare population. *The American Journal of Managed Care*. 2014; 20 (11):e498-505. PMID: PMC4321738.
 58. Smith KJ, Baik SH, Reynolds CF 3rd, Rollman BL, Zhang Y*. Cost-effectiveness of Medicare drug plans in schizophrenia and bipolar disorder. *The American journal of managed care*. 2013 Feb; 19 (2):e55-63. PMID: PMC3589737. PMID: 23448115.
 59. Zhang Y*, Baik SH, Lave JR. Effects of Medicare Part D Coverage Gap on Medication Adherence. *American Journal of Managed Care*. 2013; 19 (6):e214-24. PMID: PMC3711553.
 60. Zhang Y*, Gellad WF, Zhou L, Lin YJ, Lave JR. Access to and use of \$4 generic programs in Medicare. *Journal of General Internal Medicine*. 2012 Oct; 27 (10):1251-7. PMID: PMC3445678.
 61. Zhang Y*, Baik SH, Chang CC, Kaplan CM, Lave JR. Disability, race/ethnicity, and medication adherence among Medicare myocardial infarction survivors. *American Heart Journal*. 2012 Sep; 164 (3):425-433.e4. PMID: PMC3445297. PMID: 22980311.
 62. Zhang Y*, Donohue JM, Lave JR, Gellad WF. The impact of Medicare Part D on medication treatment of hypertension. *Health Services Research*. 2011 Feb; 46:185-98. PMID: PMC3034269. doi: 10.1111/j.1475-6773.2010.01183.x. (ABDC ranked A; InCites 5-year impact factor 3.110; ranked 20/88 in Health Care Sciences & Services)
 63. Gellad WF, Huskamp HA, Li A, Zhang Y, Safran DG, Donohue JM. Use of prescription drug samples and patient assistance programs, and the role of doctor-patient communication. *Journal of general internal medicine*. 2011 Dec; 26 (12):1458-64. PMID: PMC3235606. PMID: 21751052.
 64. Lave JR, Men A, Day BT, Wang W, Zhang Y. Employee choice of a high-deductible health plan across multiple employers. *Health services research*. 2011 Feb; 46:138-54. PMID: PMC3034266. PMID: 20849558.
 65. Lu CY, Adams AS, Ross-Degnan D, Zhang F, Zhang Y, Salzman C, Soumerai SB. Association between prior authorization for medications and health service use by Medicaid patients with bipolar disorder. *Psychiatric services (Washington, D.C.)*. 2011 Feb; 62 (2):186-93. PMID: PMC3053119.
 66. Donohue JM, Zhang Y, Aiju M, Perera S, Lave JR, Hanlon JT, Reynolds CF 3rd. Impact of Medicare Part D on antidepressant treatment, medication choice, and adherence among older adults with depression. *The American journal of geriatric psychiatry: official journal of the*

- American Association for Geriatric Psychiatry. 2011 Dec; 19 (12):989-97. PMC3233981.
67. Zhang Y*, Lave JR, Newhouse JP, Donohue JM. How the Medicare Part D drug benefit changed the distribution of out-of-pocket pharmacy spending among older beneficiaries. *The journals of gerontology. Series B, Psychological sciences and social sciences*. 2010 Jul; 65 (4):502-7. PMC2883868.
 68. Donohue JM, Zhang Y, Lave JR, Gellad WF, Men A, Perera S, Hanlon JT. The Medicare drug benefit (Part D) and treatment of heart failure in older adults. *American heart journal*. 2010 Jul; 160 (1):159-65. PMC2898511.
 69. Zhang Y*, Lave JR, Donohue JM, Fischer MA, Chernew ME, Newhouse JP. The impact of Medicare Part D on medication adherence among older adults enrolled in Medicare-Advantage products. *Medical care*. 2010 May; 48 (5):409-17.
 70. Zhang Y, Adams AS, Ross-Degnan D, Zhang F, Soumerai SB. Effects of prior authorization on medication discontinuation among Medicaid beneficiaries with bipolar disorder. *Psychiatric services (Washington, D.C.)*. 2009 Apr; 60 (4):520-7.

Other Peer-Reviewed Publications (n=8):

71. Cade Shadbolt, J Haxby Abbot, Ximena Camacho, Philip Clarke, L. Stefan Lohmander, Tim Spelman, Eric C. Sun, Jonas B. Thorlund, Yuting Zhang, Michelle M. Dowsey and Peter F.M. Choong. [The Surgeon's Role in the Opioid Crisis: A Narrative Review and Call to Action](#). 29 January 2020. *Front. Surg.* doi: 10.3389/fsurg.2020.00004
72. Hernandez I*, Zhang Y. Using predictive analytics and big data in optimizing pharmaceutical outcomes. *American Journal of Health-System Pharmacy*. 2017 Sep 15;74(18):1494-1500. doi: 10.2146/ajhp161011.
73. Hernandez I, Zhang Y*. Pharmaceutical Use and Spending Trend in Medicare Beneficiaries with Dementia, From 2006 to 2012. *Gerontology and Geriatric Medicine*. 2017 April. doi: 10.1177/2333721417704946.
74. Hernandez I, Zhang Y*. Comparing Adoption of Breakthrough and "Me-too" Drugs among Medicare Beneficiaries: A Case Study of Dipeptidyl Peptidase-4 Inhibitors. *Journal of Pharmaceutical Innovation*. Feb 2017. DOI: 10.1007/s12247-017-9277-x.
75. Liu L, Svoboda R, Zhang Y*. Using a Modified Next Generation ACO Benchmark Can Improve the MSSP. *American Journal of Accountable Care*. September 14, 2016. Online first: <http://www.ajmc.com/journals/ajac/2016/2016-vol4-n3/using-a-modified-next-generation-aco-benchmark-can-improve-the-mssp>
76. Hernandez I, Zhang Y*. Comparing Stroke and Bleeding with Rivaroxaban and Dabigatran in Atrial Fibrillation: Analysis of the US Medicare Part D Data. *American Journal of Cardiovascular Drugs*. September 2016; online first: <http://link.springer.com/article/10.1007/s40256-016-0189-9>
77. Hernandez I, Zhang Y*. Comparing Clinical and Economic Outcomes of Biologic and Conventional Medications in Postmenopausal Women with Osteoporosis. *Journal of Evaluation in Clinical Practice*. 2015 Oct; 21 (5):840-7. doi: 10.1111/jep.12389.
78. Bellon JE, Stevans JM, Cohen S, James AE III, Reynolds B, Zhang Y. Comparing Advanced Practice Providers and Physicians as Providers of eVisits. *Telemedicine and e-Health*. 2015 Jul 10.

RESEARCH

Current research support

1. Australian Research Council Australian Future Fellowship award, "Health insurance design: choices, consumer behavior and policy challenges", \$1,099,922; 2020-2024, project ID FT200100630.
2. NHMRC MRFF Targeted health system and community organization research 2020, Title: PReDICTing the population health economic IMPact of current and new CANcer Treatments (PRIMCAT). \$2,312,795, my role as CIB; lead person from UoM Center for Cancer Research Professor Maarten IJzerman; Application ID: MRF1199701; 7/1/2020-6/30/2023
3. Impact of Military Service on Veteran Wellbeing and Ageing, funded by the Australian Department of Veterans' Affairs, \$143,650; my role: lead applicant/PI; 1/4/2020-30/5/2021.
4. Re-designing stroke care pathways under a value-based healthcare approach, \$49,900, funded by FBE Research Partnership Fund, partner with the Victorian Department of Health and Human Services, my role: lead and sole applicant, 1/1/2020-12/31/2021
5. Competition and quality of care in Australian residential aged care, commissioned by the Royal Commission into Aged Care Quality and Safety, Mar 2020 – Nov 2020, themis id: 301567
6. Developing health system performance measures used by Australia, funded by the Australian Institute of Health and Welfare, \$59,200, Jan 2020-May 2020, my role: coinvestigator
7. Opioid Overuse in Orthopaedic Surgery, \$25,000, funded by the University of Melbourne Department of surgery, lead applicant: Peter Chong, my role: coinvestigator
8. Improving the design of private and public health insurance, \$10,000 funded by FBE ARC NHMRC Strategic Support Fund, 1/1/2021-12/31/2021, lead and sole applicant
9. The Effect of the Broader Safety Net on Health, FBE Research grant, 1/1/2020-12/31/2021, \$10,000; Lead applicant: Judith Liu; my role on the grant: coinvestigator/mentor
10. The Effects of Public Health Insurance Expansions on Low-Income Seniors, FBE Research grant, 1/1/2020-12/31/2021, \$9,000; Lead applicant: Dajung Jun; my role on the grant: coinvestigator/mentor

Funding Agency:	National Institutes of Health
Grant Number:	R01 AG054424-01
Title of Grant:	Impact of Insurance Benefit Design on Patient Outcomes: Evidence from the Medicare Part D Coverage Gap Closure
Principal Investigator:	Cameron Kaplan
Zhang Role on Grant:	Co-investigator
Years Inclusive:	9/15/2017 - 8/31/2020
Percent Effort:	20%
Total Direct Costs:	\$1,132,474
Total Amount Awarded:	\$1,735,337

Funding Agency:	Alzheimer's Association Research Grant to Promote
-----------------	---

Grant Number: Diversity (AARG-D)
 500234
 Title of Grant: Claims Data Mining to Predict Side Effects of Anti-dementia
 Drugs
 Principal Investigator: Inmaculada Hernandez
 Zhang Role on Grant: Co-investigator/Mentor
 Years Inclusive: 2/1/2017 - 1/31/2020
 Percent Effort: 2.5%
 Total Direct Costs: \$132,929
 Total Amount Awarded: \$146,222

Other grant and proposals submitted and under review:

- MRFF frontier, Scalable Health Intervention Evaluation (SHINE): health and economic data made comparable for decision-making, \$1.5 million (submitted in March 2020), in phase two if phase 1 funded following up funding \$50 million. Lead person from UoM population health Professor Tony Blakely
- FBE early career internal grant, "Mortality, health behaviour, and economic circumstances", lead person: Ferdi Botha; my role as coinvestigator.
- FBE early career internal grant, "The impact of Veteran age and service pension on ageing and wellbeing", lead person: Judith Liu; my role as coinvestigator.

Consultant/Advisor on International Grants

Grant Number: National Natural Science Foundation of China
 Title of Grant: Assessing geographic and spatial distribution of emergency
 medicines and modeling pharmaceutical supplies for
 emergency preparedness in China
 Principal Investigator: Shiwei Gong
 Zhang Role on Grant: Partner Investigator
 Years Inclusive: 1/2014 - 12/2017
 Percent Effort: Donated

Funding Agency: Australian Victoria Department of Health
 Title of Grant: Relationship between health and socioeconomic status to
 inform development of loadings and risk-adjustment
 approaches for current and future funding models
 Principal Investigator: Jongsay Young
 Zhang Role on Grant: Advisor
 Years Inclusive: 10/2017 - 12/2017
 Percent Effort: Donated

Funding Agency: National Natural Science Foundation of China
 Title of Grant: Capacity-building of urban and rural grass-roots health care
 under the national strategy of Healthy China: theories and
 mechanisms
 Principal Investigator: Liang Zhang

Zhang Role on Grant: Partner Investigator
Years Inclusive: 10/2017 - 9/2022
Percent Effort: Donated

Past research support

Funding Agency: Commonwealth Fund
Grant Number: 20150380
Title of Grant: Evaluating the effects of Pioneer ACOs on Part D spending
Principal Investigator: Yuting Zhang
Zhang Role on Grant: PI (before 12/1/2016; switch the grant to a colleague because I started the Australian-American Health Policy Fellowship); Co-I during 1/1/2018-4/30/2018
Years Inclusive: 5/1/2015 - 4/30/2018 (with no cost extension)
Percent Effort: 35%
Total Direct Costs: \$325,219
Total Amount Awarded: \$348,971

Funding Agency: National Institutes of Health
Grant Number: R21MH100721
Title of Grant: Optimizing Medicare Part D plan choice by beneficiaries with schizophrenia
Principal Investigator: Yuting Zhang
Zhang Role on Grant: PI (sole)
Years Inclusive: 12/1/2013 - 11/30/2016
Percent Effort: 35.0 %
Total Direct Costs: \$275,000
Total Amount Awarded: \$415,167

Funding Agency: Commonwealth Fund
Grant Number: 20160326
Title of Grant: Updating Measures of Geographic Variation in the Quality of Prescribing in Medicare
Principal Investigator: Yuting Zhang
Zhang Role on Grant: PI (sole)
Years Inclusive: 9/1/2015 - 11/30/2016
Percent Effort: 5.0 %
Total Direct Costs: \$50,590
Total Amount Awarded: \$55,649

Title of Grant: Advanced Practice Provider E-Visits - AnyWhereCare
Zhang Role on Grant: Co-Investigator
Years Inclusive: 9/1/2013 - 12/31/2015
Percent Effort: 5.0 %
Total Direct Costs: \$80,000
Total Amount Awarded: \$88,000

Funding Agency: Commonwealth Foundation
Grant Number: 20130660

Title of Grant: Updating Measures of Geographic Variation in the Quality of Prescribing in Medicare
Principal Investigator: Yuting Zhang
Zhang Role on Grant: PI (sole)
Years Inclusive: 7/1/2013 - 6/30/2014
Percent Effort: 10.0 %
Total Direct Costs: \$45,455
Total Amount Awarded: \$50,000

Grant Number: Commonwealth Foundation
Grant Number: 20120516
Title of Grant: Evaluating the Quality of Prescribing in Medicare
Principal Investigator: Yuting Zhang
Zhang Role on Grant: PI (sole)
Years Inclusive: 5/2012 - 1/2014
Percent Effort: 9.0 %
Total Direct Costs: \$72,706

Funding Agency: Institute of Medicine
Grant Number: Prime: CMS HHSP22320042509XI
Title of Grant: IOM Study of Geographic Variation in Health Care Spending and Promotion of High-Value Health Care
Principal Investigator: Yuting Zhang
Zhang Role on Grant: PI (sole)
Years Inclusive: 2/2011 - 12/2012
Percent Effort: 20.0 %
Total Direct Costs: \$138,000

Funding Agency: Agency for Healthcare Research and Quality
Grant Number: R01HS018657
Title of Grant: Racial and Ethnic Differences in Response to the Medicare Coverage Gap among Patients with Cardiac Diseases
Principal Investigator: Yuting Zhang
Zhang Role on Grant: PI (sole)
Years Inclusive: 4/2010 - 4/2014
Percent Effort: 50.0 %
Total Direct Costs: \$505,842
Total Amount Awarded: \$743,825

Funding Agency: National Institutes of Health
Grant Number: Challenge Grant 1RC1MH088510
Title of Grant: Comparing Methods to Pay for Psychotropic Medications for Medicare Beneficiaries
Principal Investigator: Yuting Zhang
Zhang Role on Grant: PI (sole)
Years Inclusive: 9/1/2009 - 8/31/2012
Percent Effort: 50.0 %
Total Direct Costs: \$615,379
Total Amount Awarded: \$911,922

Funding Agency: University of Pittsburgh
Grant Number: GSPH Modeling
Title of Grant: Fill the Gap: Modeling Total Medicare Spending among the Elderly
Principal Investigator: Yuting Zhang
Zhang Role on Grant: PI (sole)
Years Inclusive: 2009 - 2010
Percent Effort: 5.0 %
Total Direct Costs: \$20,000

Funding Agency: Robert Wood Johnson Foundation
Grant Number: HCFO
Title of Grant: Effects of Prior Authorization of New Medications among Medicaid Beneficiaries with Bipolar Disorder
Principal Investigator: Yuting Zhang
Zhang Role on Grant: Principal Investigator of sub-contract
Years Inclusive: 2009 - 2009
Total Direct Costs: \$231,641

Funding Agency: Clinical Translational Science Institute (CTSI) and RAND - University of Pittsburgh Health Institute (RUPHI) Translating Research into Practice Pilot Program
Grant Number: CTSI/RAND
Title of Grant: Variation in the Use of \$4 Generic Drugs Among Medicare Beneficiaries
Principal Investigator: Yuting Zhang
Zhang Role on Grant: PI (sole)
Years Inclusive: 2009 - 2010
Total Direct Costs: \$30,000

Funding Agency: RAND - University of Pittsburgh Health Institute (RUPHI), the Center for Minority Health, and the Section on Healthcare Disparities and International Medicine
Grant Number: RUPHI
Title of Grant: Racial and Ethnic Disparities in Responses to the Medicare Part D Coverage Gap among Patients with Cardiac Diseases
Principal Investigator: Yuting Zhang
Zhang Role on Grant: PI (sole)
Years Inclusive: 2009 - 2010
Total Direct Costs: \$30,000

Funding Agency: University of Pittsburgh
Grant Number: Office of the Provost
Title of Grant: Behavioral Responses in Medicare's Doughnut Hole Among Complex Patients
Principal Investigator: Yuting Zhang
Zhang Role on Grant: PI (sole)

Years Inclusive:	2009 - 2011
Total Direct Costs:	\$15,391
Funding Agency:	Highmark Inc.
Grant Number:	Highmark2008
Title of Grant:	Evaluate Economic and Clinical Effects of High-Deductible Health Plan
Zhang Role on Grant:	PI (multiple)
Years Inclusive:	2008 – 2009
Total Direct Costs:	\$28,000

ENGAGEMENT

Reports

1. Yuting Zhang and Judith Liu, Impact of Military Service on Veteran Wellbeing and Ageing - analyses plan, commissioned by the Australian Department of Veterans' Affairs, June 22, 2020
2. Anthony Scott, Yuting Zhang, and Judith Liu, "Future Development of the Australian National Health Performance Indicators", commissioned by the Australian Institute of Health and Welfare, May 1, 2020

Other engagement activities

- Using health care during the pandemic: should I stay or should I go? Research Insight, September 3, 2020, Yuting Zhang, Judith Liu, Anthony Scott.
https://melbourneinstitute.unimelb.edu.au/_data/assets/pdf_file/0007/3478633/ri2020n23.pdf
- Who is avoiding necessary health care during the COVID-19 pandemic? Research Insight, June 11, 2020, Yuting Zhang, Judith Liu, Anthony Scott,
https://melbourneinstitute.unimelb.edu.au/_data/assets/pdf_file/0019/3401821/ri2020n13.pdf
 - Media mention, AFR, June 11, 2020, Easing of virus lockdown lifts public mood,
<https://www.afr.com/politics/federal/easing-of-virus-lockdown-lifts-public-mood-20200610-p5516u>
- Media interview, SBS mandarin program, Are Australia's medical systems and emergency response mechanisms efficient in fighting outbreaks?
<https://www.sbs.com.au/language/mandarin/zh-hans/audio/the-epidemic-tests-the-medical-systems-of-many-countries-has-australia-passed-the-test>, June 3, 2020
- How can technology help prevent a second wave of COVID-19? Research Insight, May 29 2020, Yuting Zhang, https://melbourneinstitute.unimelb.edu.au/_data/assets/pdf_file/0006/3388506/ri2020n11.pdf
- Developing health system performance measures used by Australia, commissioned by the Australian Institute of Health and Welfare, Feb 2020-May 2020
- March 12 2020, Victorian Department of Health and Human Services roundtable on payment model reforms
- Mar 2020, consulting advice to the Royal Commission into Victoria's Mental Health System submission about ideas and approach to use their linked data

- Feb 2020, Department of Veterans' Affairs, proposal submission on evaluating the impact of military services on ageing, health and wellbeing of veterans and their families
- 2019-2021 partner project with the Victorian Department of Health and Human Services on redesigning stroke care in Victoria
- Dec 2019 – Mar 2020, two proposal submissions to the Royal Commission into Aged Care Quality and Safety
- Nov 25 2019, Department of Veterans' Affairs (DVA) and Department of Defence, inaugural guest speaker for their special strategy seminar to the top executives at the DVA and Department of Defence
- Nov 2019, Department of Health's Health Economics Service Panel submission, selected
- Mar – Sept 2019, the Australian Institute of Health and Welfare (2 visits in Canberra with multiple teams: data linkage, PBS, hospital expenditures)
- Mar and June 2019, the Department of Health (2 visits in Canberra, Head of Health Economics group)
- June – July 5 2019, The Royal Commission into Victoria's Mental Health System submission
- Nov 2018, the Beyond Blue services evaluation panel submission, selected

OTHER SCHOLARLY ACTIVITIES

Editorial Board(s)

1/2018-Present	Appointed statistical/methods reviewer, JAMA Network Open
2017 – Present	Editorial Board, Journal of Hospital Management and Health Policy
2015 – 2017	Academic Editor, PLOS ONE
2011 – Present	Editorial board/Associate Editor, Journal of Mental Health Policy and Economics

Manuscript Reviewer

2018-Present	Reviewer, JAMA Network Open
2015 - Present	Reviewer, Economics Letter
4/2014 - Present	Reviewer, New England Journal of Medicine
2014 - Present	Reviewer, Journal of Health Economics
2011 - Present	Reviewer, Medical Care
2010 – 2010	Reviewer, Statistics in Medicine
2010 – 2010	Reviewer, Journal of Policy Analysis and Management
2009 - Present	Reviewer, Health Services Research
2009 - 2010	American Journal of Pharmacy Benefits
2009 - Present	Reviewer, JAMA
2008 - Present	Reviewer, American Journal of Managed Care
2007 - Present	Reviewer, Health Affairs
2007	Journal of Aging and Health
2007 - 2009	Reviewer, Health Policy

Grant Reviewer

4/2019- Present	Member, Australian National Health and Medical Research Council
-----------------	---

2012 – Present	Synergy Grants review panel Scientific Reviewer, Patient-Centered Outcomes Research Institute (PCORI)
10/2011	Reviewer, National Institute of Health, Health Services Organization and Delivery (HSOD)
6/2011 - 6/2011	Reviewer, National Institute of Health Social Science Population Studies (SSPS) Review Panel
2010 – Present	Grant Reviewer, WPIC Research Committee - review grants to be submitted to NIH

Conference Planning & Review

9/2020-7/2021	Programme chair for the field Evaluation of policy, programs and health system performance at iHEA Congress in 2021
12/2012 - 12/2012	Reviewer, the 9th World Congress meeting of the International Health Economics Association (iHEA), Sydney, Australia
12/2011 - 12/2011	Reviewer, the 4th Biennial Conference of the American Society of Health Economists (ASHEcon), Minnesota, USA
12/2010 - 12/2010	Reviewer, the 8th World Congress meeting of the International Health Economics Association (iHEA), Toronto, Canada
12/2009 - 12/2009	Reviewer, 7th World Congress meeting of the International Health Economics Association

INVITED PRESENTATIONS

1. Taking the Pulse of the Nation: The Effect of COVID-19 on the Economics and Health of Australians. The Melbourne Institute's Virtual Colloquium; September 8, 2020; Melbourne, Australia
2. Serving as a mentor at the AHES Speed Mentoring Workshop, July 30 2020
3. Cost-sharing and mental health, School of Population and Global Health, Department of Economics, University of Western Australia, May 12, 2020, Perth, Australia
4. Department of Economics, University of Western Australia, May 15, 2020, Perth, Australia
5. Australia private health insurance, Department of Economics, Deakin University, June 5, 2020, Melbourne, Australia
6. 11th Australasian Workshop on Econometrics and Health Economics, April 20, 2020, Sydney, Australia
7. Evidence-based health policy: leveraging large linkage data. Department of Economics, University of Melbourne. Feb 25, 2020, Melbourne, Australia
8. Data-driven Policy Making: Using DVA Data to Improve Veterans' Wellbeing, Department of Veterans' Affairs, Nov 25, 2019, Canberra, Australia
9. Keynote speaker, 12th Research Symposium for Chinese PhD Students and Scholars in Australia organized by the Chinese Association of Professionals and Scholars, Evidence-based Health Policy Making: Leveraging Large Healthcare Linkage Data. Nov 30, 2019, Melbourne, Australia
10. National University of Singapore, Department of Economics, How do patients

with mental disorders respond to complex health insurance cost-sharing design. Oct 17, 2019, Singapore

11. Keynote speaker, International conference on healthcare system reform One Road One Belt. Improving pharmaceutical policy and practice, September 27, 2019; Xi'an, China
12. Patient-Centred, value-based healthcare. May 9, 2019, Melbourne, Australia
13. Department of Economics, University of Melbourne. Evidence-based health policy: leveraging large linkage data. April 5, 2019, Melbourne, Australia
14. Australian Mental health workshop. Anticipatory behavior in response to patient out-of-pocket spending. Feb 12, 2019; Werribee, VIC, Australia
15. Evidence-based health policy making: leveraging large healthcare linkage data. 2018 CPMD Workshop on Banking, Health and Education by University of Technology Sydney. Nov 23, 2018, Sydney, Australia
16. Zhang Yuting. Estimating causal effects of health policies using longitudinal insurance data. July 5, 2018; Graduate School of Public Health, Fudan University, Shanghai, China
17. Zhang Yuting. Factors Affecting Australian General Practitioners' Decisions to Adopt New Prescription Drugs. Australian Commonwealth Department of Health; September 2017; Canberra, Australia
18. Zhang Yuting. Estimating causal effects of health policies using large datasets. May 11, 2017; Melbourne Institute of Applied Economics and Social Studies, Faculty of Business and Economics, University of Melbourne, Melbourne, Australia
19. Zhang Yuting. Estimating causal effects of health policies. April 27, 2017; School of Population and Global Health, University of Melbourne, Melbourne, Australia
20. Zhang Yuting. Improving pharmaceutical policy, prescribing and use. March 29 2017; Monash Business School, Monash University, Melbourne, Australia.
21. Zhang Yuting. Improving pharmaceutical policy, prescribing and use. March 16 2017; University Technology Sydney, Sydney, Australia
22. Zhang Yuting. Updates on Healthcare Reforms and Implications for Hospitals. 2015 Jul 8-9; XiangYa 3rd Hospital, Changsha, Hunan.
23. Zhang Yuting. Improving Pharmaceutical Policy, Prescribing, and Use. 2015 Jun 18; School of Pharmacy, Huazhong University of Science and Technology in China.
24. Zhang Yuting. How to model healthcare data. 2015 Jun; Tongji Medical College of Huazhong University of Science and Technology in China.
25. Zhang Yuting. Updates on US healthcare reforms and China's new healthcare reform. 2015 Jul 16; Tongji Medical College of Huazhong University of Science and Technology in China.
26. Zhang Yuting. Causal inference in healthcare empirical research. 2015 Jun; Tongji Medical College of Huazhong University of Science and Technology in China.
27. Zhang Yuting. Using Statistical Models to Optimize Medication Use. Presented at: Department of Biostatistics; 2013 Oct 24; University of Pittsburgh.
28. Zhang Yuting. Optimizing Medication Use. Presented at: St Vincent's Clinical School, The University of New South Wales; 2013 Jul 9; Sydney, Australia.
29. Zhang Yuting. US Healthcare Reforms and Insights for China Healthcare Reform. Presented at: Wuhan University; 2013 Jun 26; Wuhan, China.

30. Zhang Y. US Healthcare Reforms and Collaborative Opportunities in China. 2013 Jun 21; Tongji Medical College of Huazhong University of Science and Technology in China.
31. Zhang Yuting. Economic Evaluations of Health Policy. Presented at: Tongji Medical College of Huazhong University of Science and Technology in China; 2013 Jun 20-27; Wuhan, China.
32. Zhang Y. How to publish in top-tiered medicine journals. 2013 Jun 13; Peking University.
33. Zhang Yuting. Economic Evaluation of Medicare Part D. Presented at: Peking University; 2013 Jun 13; Beijing, China.
34. Zhang Y. Geographic variation in US Medicare Spending. 2013 May 30; Peking University.
35. Zhang Yuting. Comparing local and regional variation. Presented at: Institute of Medicine; 2012 Jun; Washington DC.
36. Zhang Yuting. Geographic variation in pharmacy spending. Presented at: Institute of Medicine closed session committee meeting; 2012 Mar 23-25; San Francisco.
37. Zhang Yuting. Racial disparity in medication use. Presented at: Duquesne University School of Pharmacy research seminar; 2011 Dec; Pittsburgh.
38. Zhang Yuting. Pharmacy benefit design. Presented at: Center for Research on Health Care, University of Pittsburgh; 2011 Nov; Pittsburgh.
39. Zhang Yuting. Introduction to Global Health "Health, Education, Economics". Presented at: Introduction to Global Health; 2011 Sep; Pittsburgh.
40. Zhang Yuting. Pharmaceutical policy & economics. Presented at: University of Georgia Pharmacy Ground Rounds; 2011 Sep; Athens, GA.
41. Zhang Yuting. Pharmaceutical policy & economics. Presented at: Tongji Medical College of Huazhong University of Science and Technology in China; 2011 Aug; Wuhan, China.
42. Zhang Yuting. Geographic variation in health care prescribing and promotion of high-value care. Presented at: Institute of Medicine closed session committee meeting; 2010 Nov-Jun; Washington DC.
43. Medicare Part D and Future Research. Presented at: Invited presentation to the GSPH Board of Visitors representing the best of the scholarship and research conducted at GSPH; 2009 Oct; University of Pittsburgh.
44. Impact of Medicare Part D on pharmacy and medical spending Effects of Coverage gap. Presented at: Invited special seminar to senior advisors at the Centers for Medicare & Medicaid Services; 2008 Jun; Washington DC.

OTHER SELETED PODIUM PRESENTATIONS

45. Judith Liu, Yuting Zhang, Cameron Kaplan, How do Medicare beneficiaries respond to complex cost-sharing strategies. June 9 2020 ASHEcon Conference in St. Louis, MO, USA
46. Dajung Jun, Yuting Zhang, The Effect of the Medicaid Expansion on Medicare Beneficiaries, June 9 2020 ASHEcon Conference in St. Louis, MO, USA
47. Wendy He, Yuting Zhang, Inma Hernandez. Mining Longitudinal Real-World Data to Identify Risk Factors for Cardiovascular Events Related to Anti-Dementia Medications. The Joint Statistical Meetings. Denver, Colorado, USA.

July 30, 2019 (poster)

48. Zhiyuan Hou, Fei Yan, Hong Gao, Wei Wang, Donglan Zhang, Yuting Zhang. The Effect of Off-Site Health Insurance on Actual Use of and Forgone Medical Care: Evidence from a National Survey in China. International Health Economics Association meeting. Basel Switzerland. July 16, 2019.
49. Siying Liu, Yuting Zhang. Physician Counseling and Obesity: Regression Discontinuity Evidence from The Medicare Intensive Behavioral Therapy Program. American Public health association meeting. San Diego USA, Nov 14, 2018
50. Hernandez I, He M, Zhang Y. Dose-Response Association between Concurrent Opioid and Benzodiazepine Use and Risk of Opioid-Related Overdose. Poster Presentation at International Society for pharmacoeconomics and Outcomes Research. 23rd Annual International Meeting 2018. Baltimore, MD, USA. May 23, 2018
51. Hernandez I, He M, Zhang Y. Exposure-Response Association between Concurrent Opioid and Benzodiazepine Use and Risk of Opioid-Related Overdose. Poster Presentation at Academy Health 2018 Annual Research Meeting. Seattle, WA, USA. June 24, 2018.
52. Zhang Yuting, Susan J. Méndez, Anthony Scott. Factors Affecting General Practitioners' Decisions to Adopt New Prescription Drugs. Australian Health Economics Society; September 21 2017; Sydney, Australia
53. Zhang Yuting, Susan J. Méndez, Anthony Scott. Factors Affecting General Practitioners' Decisions to Adopt New Prescription Drugs. Health Services Research Association of Australia and New Zealand; November 1 2017; Gold Coast, Australia
54. Driessen Julia, Zhang Yuting. Effects of Medicare Shared Savings Program on Pharmaceutical Use. International Health Economics Association world congress; July 2017; Boston, USA.
55. Cole Evan, Leighton Cassandra, Zhang Yuting. Distribution of Primary and Specialty Care Visits in Medicare Shared Savings Accountable Care Organizations. AcademyHealth; June 2017; USA
56. Zhang Yuting, Kaplan C, Baik SH, Chang CC, Lave J. Medication Adherence and Readmission in Medicare Myocardial Infarction. Presented at: International Health Economics Association world congress; 2013 Jul 7-10; Sydney, Australia.
57. Zhang Yuting, Zhou C, Baik SH. Opt In or Opt Out - Medicare Part D LIS Beneficiaries' Reaction Toward Random Assignment. Presented at: AcademyHealth; 2013 Jun 25; Baltimore, MD.
58. Kaplan C, Zhang Y. Anticipatory Effects of Nonlinear Design Features of the Medicare Prescription Drug Benefit. Presented at: AcademyHealth; 2013 Jun 25; Baltimore, MD.
59. Zhang Yuting. Behavioral Responses to Nonlinear Insurance Prices, Chair and Organizer. Presented at: American Economic Association and Allied Social Science Associations (AEA/ASSA) annual meetings; 2013 Jan; San Diego, USA.
60. Zhang Yuting. Plan Choice and Switching Costs in Health Insurance Market. Presented at: Chair and Organizer, American Economic Association and Allied Social Science Associations (AEA/ASSA) annual meetings; 2013 Jan; San Diego, USA.

61. Zhou C, Zhang Yuting. Measuring the switching cost in health insurance markets: evidence from Medicare Part D. Presented at: National Bureau of Economic Research (NBER), Summer Institute; 2012 Jul 26; Cambridge, MA.
62. Zhou C, Zhang Yuting. Exploring the Learning Experience of Medicare Part D - Quantifying Switching Costs. Presented at: AcademyHealth; 2012 Jun 26; Orlando, FL.
63. Zhou C, Zhang Yuting. Exploring the Learning Experience of Medicare Part D. Presented at: American Society of Health Economists; 2012 Jun 10-13; Minneapolis/St. Paul Minnesota, MN.
64. Kaplan C, Zhang Yuting. Assessing the Comparative-Effectiveness of Antidepressants Commonly Prescribed for Depression in the Medicare Population. Presented at: American Society of Health Economists; 2012 Jun 10-13; Minneapolis/St. Paul Minnesota, MN.
65. Kaplan C, Zhang Yuting. The January Effect: Medication Discontinuation and Re-Initiation among Medicare Part D Beneficiaries. Presented at: American Society of Health Economists; 2012 Jun 10-13; Minneapolis/St. Paul Minnesota, MN.
66. Zhang Yuting, Baik SH, Chang CC, Kaplan C, Lave J. Variations in Medication Adherence among Medicare Myocardial Infarction Survivors. Presented at: American Society of Health Economists; 2012 Jun 10-13; Minneapolis/St. Paul Minnesota, MN.
67. Zhang Yuting. The effects of Medicare Part D coverage gap on medication use. Presented at: International Health Economics Association (iHEA); 2011 Jul 12; Toronto, Canada.
68. Baik SH, Rollman BL, Reynolds CF, Lave J, Smith KJ and pittsburgh, Zhang Yuting. Coverage Gap and High Medication Costs Among Medicare Beneficiaries With Coexisting Chronic Conditions. Presented at: AcademyHealth; 2011 Jun; Seattle WA.
69. Zhang Y, Men A, Wang W, Day B, Lave JR. The Impact of High-Deductible Health Plan on Medical Care Spending. Presented at: AcademyHealth annual international meeting; 2011 Jun; Seattle WA.
70. Zhang Yuting, Baik SH, Zhou L, Lave J. Medicare Part D's coverage gap and mental health. Presented at: American Psychiatric Association; 2011 May; Honolulu, Hawaii.
71. Zhang Yuting, Newhouse J, Baiker K. Are Drugs Substitutes or Complements for Intensive (and Expensive) Medical Treatment? Presented at: American Economic Association and Allied Social Science Associations (AEA/ASSA) annual meetings; 2011 Jan 7-9; Denver, CO.
72. Zhang Yuting, Baik SH, Zhou L, Lave J. Medicare Part D's coverage gap and depression. Presented at: 15th NIMH Biennial Research Conference on the Economics of Mental Health: Comparative Effectiveness and Mental Health Care Financing; 2010 Sep 27-28; Washington DC.
73. Zhang Y. The impact of US Medicare prescription drug coverage gap on medication use and spending. Poster presented at: ISPOR 4th Asia-Pacific conference; 2010 Sep; Phuket, Thailand.
74. Zhang Y. Geographic correlation between Medicare pharmacy and medical spending. Poster presented at: International Society for Pharmacoeconomics and Outcomes Research (ISPOR) 4th Annual Asia-Pacific Conference; 2010 Sep; Phuket, Thailand.

75. Zhang Y, Zhou L, Gellad W. Potential Savings from Broad Use of \$4 Generic Drugs: 2007 Medical Expenditure Panel Survey. Presented at: AcademyHealth annual international meeting; 2010 Jun 27-29; Boston, MA.
76. Donohue JM, Marcum Z, Zhang Y, Men A, Gellad W, Lave JR, Hanlon JT. Medicare Part D's Impact on Use of High Risk Medications among Older Adults. Presented at: AcademyHealth annual international meeting; 2010 Jun 27-29; Boston, MA.
77. Zhang Y. Comparing potential strategies to eliminating Medicare Part D's Coverage gap. Poster presented at: AcademyHealth annual international meeting; 2010 Jun 27-29; Boston, MA.
78. Zhang Y, Lave J, Men A, Day BW, Wang W. Employee Choice of a High Deductible Health Plan Across Multiple Employers. Poster presented at: AcademyHealth annual international meeting; 2010 Jun 27-29; Boston, MA.
79. Zhang Y, Men A, Wang W, Day B, Lave JR. The Impact of High-Deductible Health Plan on Medical Care Spending. Presented at: AcademyHealth annual international meeting; 2010 Jun 27-29; Boston, MA.
80. Zhang Y, Men A, Wang W, Day B, Lave JR. The Impact of High-Deductible Health Plan on Medical Care Spending. Presented at: American Society of Health Economists; 2010 Jun; Cornell, Ithaca, New York.
81. Zhang Y. Comparing potential strategies to eliminating Medicare Part D's Coverage gap. Poster presented at: American Society of Health Economists; 2010 Jun; Cornell, Ithaca, New York.
82. Zhang Y. Comparing potential strategies to eliminating Medicare Part D's coverage gap. Poster presented at: International Society for Pharmacoeconomics and Outcomes Research (ISPOR) 15th Annual International Meeting; 2010 May; Atlanta, Georgia.
83. Zhang Y, Zhou L, Gellad W. Potential savings from broad use of \$4 generic drugs: 2007 Medical Expenditure Panel Survey. Poster presented at: International Society for Pharmacoeconomics and Outcomes Research (ISPOR) 15th Annual International Meeting; 2010 May; Atlanta, GA.
84. Donohue JM, Zhang Y, Gellad W, Lave JR, Hanlon JT. Impact of Expanding Pharmacy Benefits on Treatment of Congestive Heart Failure: the case of Medicare Part D. Poster presented at: International Society for Pharmacoeconomics and Outcomes Research (ISPOR) 12th Annual European Congress; 2009 Oct; Paris, France.
85. Zhang Y, Lave JR, Newhouse JP, Donohue JM. Distribution of Out-of-Pocket Pharmacy Spending among the Elderly Before and After Medicare Part D Prescription Benefits. Poster presented at: International Society for Pharmacoeconomics and Outcomes Research (ISPOR) 12th Annual European Congress; 2009 Oct; Paris, France.
86. Donohue JM, Zhang Y, Huskamp HA, Gellad W, Safran D. Use of free medicine samples, doctor patient communication and cost-related non-adherence among older adults. Poster presented at: International Society for Pharmacoeconomics and Outcomes Research (ISPOR) 12th Annual European Congress; 2009 Oct; Paris, France.
87. Donohue JM, Zhang Yuting, Lave J, Reynolds CF. Medicare Part D and Treatment of Depression Among Older Adults. Poster presented at: International Society for Pharmacoeconomics and Outcomes Research (ISPOR) 12th Annual European Congress; 2009 Oct; Paris, France.

88. Zhang Y, Lee BY, Donohue JM. The Impact of Medicare Prescription Drug Benefit on Antibiotic Medication Use. Presented at: International Health Economics Association; 2009 Jul; Beijing, China.
89. Zhang Y, Donohue JM, Lave JR. Value-Based Cost-Sharing for Antihypertensive Medications. Poster presented at: AcademyHealth; 2009 Jun; Chicago, IL.
90. Zhang Y, Lave J, Donohue JM, Fischer MA, Chernew ME, Newhouse JP. The Impact of Medicare Prescription Drug Benefit on Medication Adherence and Use of Medical Care Services. Poster presented at: AcademyHealth; 2009 Jun; Chicago, IL.
91. Zhang Y, Lave J, Newhouse JP, Donohue JM. Distribution of Out-of-Pocket Pharmacy Spending among the Elderly Before and After Medicare Part D Prescription Benefits. Presented at: AcademyHealth; 2009 Jun; Chicago, IL.
92. Zhang Y, Donohue JM, Lave J, Gerald O'Donnell G, Newhouse JP. The Impact of Medicare Part D on Pharmacy and Medical Spending. Presented at: 7th European Conference on Health Economics; 2008 Jul; Roma, Italy.
93. Zhang Y, Donohue JM, Lave J, Gerald O'Donnell G, Newhouse JP. The Medicare Part D Prescription Benefits: Evidence on Medication Use Patterns, Hospitalization Rates and Medical Spending. Presented at: Academy Health Annual Meeting; 2008 Jun; Washington, DC.
94. Zhang Y, Adams AS, Ross-Degnan D, Zhang F, Soumerai SB. Economic and Clinical Impacts of Prior Authorization for Antipsychotic and Anticonvulsant Medications among Medicaid Beneficiaries with Bipolar Disorder. Presented at: Academy Health Annual Meeting; 2008 Jun; Washington, DC.
95. Zhang Y, Adams AS, Ross-Degnan D, Zhang F, Soumerai SB. Economic and Clinical Impacts of Prior Authorization for Antipsychotic and Anticonvulsant Medications among Medicaid Beneficiaries with Bipolar Disorder. Presented at: American Society of Health Economists; 2008 Jun; Chapel Hill, North Carolina.
96. Zhang Y, Donohue JM, Lave JR, Gerald O'Donnell G, Newhouse JP. Evidence on Medication Use Patterns, Hospitalization Rates and Medical Spending. Presented at: American Society of Health Economists; 2008 Jun; Chapel Hill, North Carolina.
97. Zhang Y, Donohue JM, Lave JR, O'Donnell G, Newhouse JP. The Impact of the Medicare Part D Prescription Benefits on Pharmacy and Medical Care Expenditures. Presented at: Best New Investigator Podium Presentation Award at the ISPOR 13th Annual International Meeting; 2008 May; Toronto, Canada.
98. Zhang Y, Adams AS, Ross-Degnan D, Zhang F, Soumerai SB. Economic and Clinical Impacts of Prior Authorization for Antipsychotic and Anticonvulsant Medications among Medicaid Beneficiaries with Bipolar Disorder. Presented at: Society of General Internal Medicine, Finalist for the Hamolsky award; 2008 Apr; Pittsburgh, PA.

TEACHING

Graduate Courses

Year(s)	Course Number & Title	Role
2002	Empirical Methods and Statistics for Managers (Statistics for Program Management)	Course Assistant for Prof. Richard Light
2004	Markets and Market Failure (Applied Microeconomics)	Teaching fellow for Prof. Alan Durell
2005	Financial Modeling	Teaching fellow for Prof. Miranda Lam
2005	Introduction to Econometrics	Head teaching fellow for Prof. Samuel Thompson
2006	Financial Modeling	Teaching fellow for Prof. Miranda Lam
2006	Corporate Finance	Teaching fellow for Prof. Efraim Benmelech
2007	Financial Modeling	Teaching fellow for Prof. Miranda Lam
2007	Corporate Finance	Teaching fellow for Prof. Efraim Benmelech
2008 - 2011	HPM 2125, Health Economics	Primary Instructor
2009	HPM 2821 , Current Topics in Health Economics	Session Lecturer
2010	HPM 2821, Current Topics in Health Economics	Session Lecturer
2011 - Present	HPM3505, Empirical Microeconomics with Applications for Healthcare Research	Primary Sole Instructor
1/7/2013 - 4/27/2013	HPM - 3505 - 22412, ADV EMP MICRO MTH APP HLTH RES	Primary Instructor
1/6/2014 - 4/26/2014	HPM - 2037 - 21311, ESSAY-HA	Primary Instructor
1/6/2014 - 4/26/2014	HPM - 3505 - 21509, ADV EMP MICRO MTH APP HLTH RES	Primary Instructor
1/5/2015 - 4/25/2015	HPM - 3505 - 20796, ADV EMP MICRO MTH APP HLTH RES	Primary Instructor
8/31/2015 - 12/19/2015	HPM - 3505 - 29764, ADV EMP MICRO MTH APP HLTH RES	Primary Instructor

Precepting/Experiential

Year(s)	Course Number & Title	Role
1/2014 - 5/2014	First experience in Research	Primary Instructor

MENTORING AND ADVISING

Undergraduate Students

Year(s)	Student's Name &	Role
---------	------------------	------

Year(s)	Department/Degree/Discipline	Role
8/2014 – 6/2015	Kritika Kulkarni drug price variation	Research Mentor
1/6/2014 - Present	Hana Hueser	Research Mentor
1/6/2014 - 4/26/2014	Jai Vekeria plan choice on health insurance exchanges	Research Mentor
1/6/2014 - 4/26/2014	Andre LeBrun Cancer drugs	Research Mentor
1/6/2014 - 4/26/2014	Chandni Patel Cancer drugs	Research Mentor
1/6/2014 - 4/26/2014	Marsha Stamatakis Interprofessional collaborative practice	Research Mentor

Master's Students

Year(s)	Student's Name & Department/Degree/Discipline	Role
8/2014 – 8/2015	Victor Talisa Biostatistics, University of Pittsburgh (8/2015)	Research Advisor, thesis committee member
1/2014 – 4/2015	Qianheng Ma Biostatistics, University of Pittsburgh (4/2015) China Rural Health Insurance	Research mentor
10/1/2013 - 4/30/2014	Yijiong Yang (4/2014), University of Pittsburgh Economic analysis of accountable care organizations	Primary Academic Advisor
6/2011 - 8/2011	Marina Masaki Statistics, Carnegie Mellon University MS (2011)	Research Advisor
5/2011 - 8/2011	Chris Confer, University of Pittsburgh MA (2012)	Research Advisor
4/2010 - 8/2010	Qing Li, University of Pittsburgh MS (2011)	Research Advisor
3/2010 - 2/2011	Yi-Jen Li, University of Pittsburgh MS (4/2010)	Research Advisor
2009 – 2010	Lei Zhou Biostatistics, University of Pittsburgh MS (2010)	Research Advisor and Thesis Committee member

Doctoral Students

Year(s)	Student's Name & Department/Degree/Discipline	Role
8/2015 – 8/2016	Fatih Cakmak Health Policy & Management, University of Pittsburgh	Primary Advisor

5/2015 – Present	Siyang Liu Economics, University of Pittsburgh (expected 6/2017) Evaluating the policy effects on preventive care use	Research mentor
1/2016 – Present	Ricky Svoboda Economics, University of Pittsburgh (expected 6/2017) Medicare new delivery and payment system	Research mentor
9/2014 - Present	Lulu Liu Economics, University of Pittsburgh (expected 6/2017) insurance effects on entrepreneurship	Research Mentor, Dissertation Committee Member
2/2014 – 6/2015	Xiaoxi Zhao Economics, University of Pittsburgh (expected 6/2017)	Research mentor
2014 – 6/2016	Conor Lennon Economics, University of Pittsburgh (expected 2016) effects of mandated health insurance on labor market	Dissertation Committee Member
2014 - Present	Mondira Ray School of Medicine, University of Pittsburgh (expected 2018) policy and variation in cancer treatment	Primary research mentor
9/2013 – 8/2015	Johanna Steenrod Bellon Health Policy & Management PhD (8/2015) Interprofessional Practice - Processes and Context	Dissertation Committee member
8/2013 – 7/2015	Inmaculada Hernandez Delso Health Policy & Management, University of Pittsburgh (expected 2016) Pharmaceutical policy and economics	Primary Academic Advisor, Dissertation Committee Chair
6/2011 - 10/2011	Mark Bender, Economics, University of Pittsburgh	Research Advisor
1/2010 - 8/2010	Yan Tang	Academic Advisor

Health Policy & Management, University of Pittsburgh

Postdoc or Fellow

Year(s) **Student's Name & Department/Degree/Discipline**

1/2015 - 7/2015 Dingxin Qin, MD
School of Medicine, University of Pittsburgh
Medication treatment of Atrial Fibrillation

5/25/2013 - 6/2014 Zhiyuan Hou, PhD
Peking University

8/2011 - 6/2013 Cameron Kaplan, PhD
Health Policy & Management, University of Pittsburgh

8/2011 - 6/2013 Chao Zhou, PhD
Health Policy & Management, University of Pittsburgh

8/2010 - 6/2015 Seo Hyon Baik, PhD
Health Policy & Management, University of Pittsburgh

Mentored Faculty

Year(s) **Faculty Member's Name & Department/Degree/Discipline**

12/2017 - 2018 Jie Chang, PhD
School of Pharmacy, Center for Drug Safety and Policy Research
Xi'an Jiaotong University, China

8/2016 – 8/2018 Inmaculada Hernandez Delso
School of Pharmacy, University of Pittsburgh
Pharmaceutical outcome research

5/2015 – 5/2016 Wenxi Tang
China Pharmaceutical University
Pharmaceutical economics and health policy

2/2015 – 2/2018 Julia Driessen
Health Policy & Management, University of Pittsburgh

Health economics

8/2014 – 6/2018	Zhiyuan Hou Fudan University Chinese health policy
2014 – 2018	Cameron Kaplan Assistant Professor, The University of Tennessee, Memphis Health Science Center Health Economics
10/2013 – 2016	Hongxia Gao Huazhong University of Science and Technology China Rural Health Policy
2012 – 2015	Shiwei Gong Huazhong University of Science and Technology Pharmaceutical policies

SERVICE

Service to Internal Organizations Department Committees

1/2020-12/2022	Member, Executive Council, Melbourne Institute
2018-Present	Senior leadership team, Melbourne Institute, Faculty of Business & Economics, University of Melbourne
2011 – 2018	Member, Doctoral program comprehensive exam committee, University of Pittsburgh
2010 – 2018	Member, Doctoral program admission committee, University of Pittsburgh
2009 – 2018	Member, Doctoral program curriculum committee, University of Pittsburgh

School/University Committees

1/2020-Present	Member, Faculty Appointments and Promotions Committee, Faculty of Business and Economics, University of Melbourne
1/2019-1/2020	Member, Faculty Research Committee, Faculty of Business and Economics, University of Melbourne
8/2015 – 6/2018	Member, Faculty Appointment, Promotion, and Tenure Committee, Graduate School of Public Health, University of Pittsburgh
2011 – 6/2018	Member, Planning and Budget Policies Committee, Graduate School of Public Health, University of Pittsburgh
2010 – 6/2018	ad hoc grant reviewer, Center for Health Care Research, University

4/2009 – 6/2018 of Pittsburgh
Juror, Dean's Day, Graduate School of Public Health, University of Pittsburgh

Service to External Organizations

Public Policy and Programs

1/2019-Present Advisor, Value-based Health Care advisory group at the Victoria Department of Health and Human Services, Australia
12/2014 - 3/2015 Consulting Advisor, Centers for Medicare & Medicaid Services
2014 – 2018 Technical Reviewer, Workers Compensation Research Institute
2011 – 2012 Technical Expert, Panel for the Centers for Medicare & Medicaid Services, Center for Strategic Planning, Policy and Data Analysis Group
12/2010 - 12/2010 Report reviewer, The Medicare Payment Advisory Commission (MedPAC)
9/2010 - 12/2012 Unpaid Consultant, Institute of Medicine's Committee on Geographic Variation in Health Care Spending and Promotion of High-Value Care
6/2008 - 6/2008 Expert, Invited special advisory session on Medicare Part D design to senior advisors at the Centers for Medicare & Medicaid Services

Professional Practice

1/2013 Chair and Organizer, the American Economic Association and Allied Social Science Associations (AEA/ASSA) annual meetings
1/2013 Chair and Organizer, "Plan Choice and Switching Costs in Health Insurance Market" at the American Economic Association and Allied Social Science Associations (AEA/ASSA) annual meetings, San Diego, USA
7/2011 Chair, "Access to Drugs" session at the International Health Economics Association (iHEA), Toronto, Canada
7/2011 Chair, "Generic Drugs" session at the International Health Economics Association (iHEA), Toronto, Canada
7/2011 Chair, "Geographic Inequality" session at the International Health Economics Association (iHEA), Toronto, Canada
6/2010 Chair, American Society of Health Economists (ASHE) session "Drug Cost"
6/2010 Co-Chair, AcademyHealth

External Committees

2019-present Founding Member, COAS, International Consortium Against the overuse of Opioids in Surgery
2012 – 2014 Scientific Committee Member, European Conference on Health Economics Scientific Committee
2011 – 2015 Scientific Committee Member, American Society of Health Economists (ASHEcon)
2009 – 2015 Scientific Committee Member, the International Health Economics

Association