

LI-NIEN CHIEN (簡麗年)

Professor

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EMPLOYMENT/EXPERIENCE

Institution of Health and Welfare Policy, National Yang Ming Chiao Tung University

2022/08 – Professor

Graduate Institute of Data Science, College of Management, TMU

2022/02 – 2022/07 Professor

School of Health Care Administration, College of Management, TMU

2020/08 – 2022/01 Professor

2017/02 – 2020/07 Associate Professor

2012/09 – 2017/01 Assistant Professor

Health Data Analytics and Statistics Center, Office of Data Science, TMU

2020/08 – 2022/07 Chief

2012/06 – 2020/07 Research fellow

School of Public Health and Nutrition, TMU

2011/01 – 2012/05 Post-doctor (Advisor: Professor Hung-Yi Chiou)

EDUCATION

Health Service Research and Health Policy (Health Economics Track), Emory University, USA

2006/08 – 2010/08 PhD (Advisor: Professor E. Kathleen Adams)

Health Policy and Management (Policy Track), Emory University, USA

2004/08 – 2006/06 MPH (Advisor: Professor E. Kathleen Adams)

Health and Welfare Policy, National Yang-Ming University

2000/09 – 2002/07 MS (Advisor: Professor Shiao-Chi Wu)

Public Health, Fu-Jen Catholic University

1996/09 – 2000/06 BS

AREA of EXPERTISE/RESEARCH

- ✧ Health claim-based data and complex survey data
- ✧ Health service research and program evaluation
- ✧ Health effectiveness and outcome research
- ✧ Pharmacoepidemiology and economic evaluation

AWARDS and HONORS

- ◇ Excellence in Teaching Award, TMU, 2019
- ◇ Outstanding Research Paper Award, TMU, 2018
- ◇ Excellence in Advisor Award, TMU, 2017
- ◇ Student Research Creativity Award
 - 學生陳亭安獲得 108 年度富邦人壽管理博碩士論文獎, 2019.
 - 學生廖于煊獲得 104 年度科技部大專學生研究計畫研究創作獎, MOST, 2015.

FUNDING (principal investigator)

- ◇ **Governmental**
 1. Evaluating the effectiveness of quality of care among patients diagnosed with ischemic stroke to improve secondary stroke prevention, MOST 111-2314-B-038-047
 2. Development the prediction model of vascular dementia to improve the quality of care among patients with acute stroke, MOST 108-2314-B-038-086-MY3, 2019/08- 2023/07
 3. Development a risk scoring system for predicting the risk of poststroke epilepsy to improve the quality of care among patients with stroke, NSC 105-2314-B-038-036-MY3, 2016/08-2019/07
 4. Dementia Care and Quality of Care. NSC 102-2314-B-038-054-MY3, 2013/08-2016/07
 5. 強化臨床試驗之高階研究設計與統計方法應用能力之人才培訓(第 58 屆補助科學與技術人員國外短期研究), MOST 2020 (因疫情註銷).
 6. 106 年度資料庫品質分析評估計畫, 衛福部食藥署, 2017/01-2017/12
 7. 106 年度科學及技術類委託研究計畫「乳癌、腸癌及肺癌疾病照護之醫療品質指標研究」案, 衛福部健保署, 2017/01-2017/10
 8. 104 年度科學及技術類委託研究計畫「健保已給付新藥副作用之風險評估_以口服抗凝血劑為例」案, 衛福部健保署, 2015/12-2016/11
- ◇ **Private agent**
 1. The treatment pattern and health care resource use among atopic dermatitis patients. Pfizer Pharma (Taiwan) Co., Ltd -IQVIA Taiwan Ltd, 2021/08-2022/12
 2. The treatment pattern and health care resource use among Pompe Disease patients. SANOFI-IQVIA Taiwan Ltd, 2021/04-2022/04
 3. The treatment pattern and health care resource use among Immune thrombocytopenic purpura patients, Novartis-IQVIA Taiwan Ltd, 2021/01-2022/6
 4. The treatment pattern and health care resource use and costs among newly diagnosed with epilepsy and Parkinson's disease, UCB Pharma (Taiwan) Ltd-IQVIA Taiwan Ltd. 2019/01-2021/04
 5. Epidemiology, treatment pattern, clinical outcome and economic evaluation of non-small cell lung cancer in Taiwan, a retrospective NHIA database analysis, Pfizer Pharma (Taiwan) Co., Ltd -IQVIA Taiwan Ltd, 2018/01-2019/12
 6. Persistence and compliance with osteoporosis medications and Fracture Outcomes in the National Health Insurance Research Database in Taiwan. Amgen Taiwan Ltd, 2019/01-2021/10

7. Cost-Effectiveness Analysis of Fracture Liaison Service (FLS) Model of Care for Hip Fracture Patients in Taiwan. Amgen Taiwan Ltd, 2017/09-2018/12

PUBLICATION (*corresponding authors)

2022

1. Lin SY, Chen YM, Chen WJ, Li A, Ku CK, Chen CH*, **Chien LN***. Treatment patterns of long-dose-interval medication for persistent management of osteoporosis in Taiwan. Achieve of Osteoporosis (Accepted, IF= 2.617, 37/82 in ORTHOPEDICS)
2. Do TP, Chen LY, Chan L, Hu CJ*, **Chien LN***. Risk Factors for Post-Ischemic Stroke Epilepsy in Young Adults: A Nationwide Population-Based Study in Taiwan. Frontiers in Neurology (Accepted, IF=4.003, 72/208 in CLINICAL NEUROLOGY)
3. Huang LK, Chao SP, Hu CJ, **Chien LN**, Chiou HY, Lo YC, Hsieh YC. Plasma Phosphorylated-tau181 Is a Predictor of Post-stroke Cognitive Impairment: A Longitudinal Study. Front Aging Neurosci. 2022 Apr 29;14:889101. (IF= 5.750, 9/53 in GERIATRICS & GERONTOLOGY)
4. Chou CL, Juan SH, Li CH, Chen HH, Kao CC, Chen LY, **Chien LN***, Fang TC*. Association between DPP-4 Inhibitors and Events of Colorectal and Liver Cancers in Patients with Diabetes Receiving Second-line Agents: A Nested Case-control Study. Frontiers in Oncology Front Oncol. 2022 May 6;12:840142. (IF= 6.244, 62/243 in ONCOLOGY)
5. Lin IC, Kuo KY, Liu HY, **Chien LN***. Trends in Diagnosed Dry Eye Disease Incidence, 2001-2015: A Nationwide Population-based Study in Taiwan. Cornea 2022;00:1–6 (IF=2.651, 32/62 in OPHTHALMOLOGY)
6. Chuang, **Chien LN**, Lin IC*. Comparison of risks of Arterial Thromboembolic Events and Glaucoma with Ranibizumab and Aflibercept Intravitreal Injection: A Nationwide Population-Based Cohort Study. PLoS One. (IF= 3.240, 26/73 in MULTIDISCIPLINARY SCIENCES) (Co-first authors)
7. Chen JL, Tai TW, Chou CY, Ku CK, **Chien LN**, Huang TW*, Tang CH*. Incidence of different types of subsequent fractures and related mortality in Taiwan. Arch Osteoporos. 2022 Apr 1;17(1):55. doi: 10.1007/s11657-022-01098-6. (IF= 2.617, 37/82 in ORTHOPEDICS)
8. **Chien LN**, Chen CC, Chang YH, Yu FC, Tsai CT, Liu HY, Yeh HI, Lin CF*. Risk of Heart Failure in Patients with ST-Elevation Myocardial Infarction Receiving Drug-Eluting Stent Implantation and Undefined Duration of Antiplatelets. J. Pers. Med. 2022, 12, 369. (IF=4.945, 15/108 in HEALTH CARE SCIENCES & SERVICES)
9. Hsiao SH, Chen WT, Chung CL, Chou YT, Lin SE, Hong SY, Chang JH, Chang ZH*, **Chien LN***. Comparative survival analysis of platinum-based adjuvant chemotherapy for early-stage squamous cell carcinoma and adenocarcinoma of the lung. Cancer Medicine 2022;00:1–12. (IF= 4.452, 108/243 in Oncology)
10. Liang CY, Chiang KL, Hsieh LP*, **Chien LN***. Prescription patterns and dosages of antiepileptic drugs in prevalent patients with epilepsy in Taiwan: A nationwide retrospective cross-sectional study. Epilepsy Behav. 2022 Jan;126:108450. (IF= 2.937, 26/53 in BEHAVIORAL SCIENCES)
11. **Chien LN**, Li YF, Yang RS, Yang TH, Chen YH, Huang WJ, Tsai HY, Li CY, Chan DC*. Real-world cost-effectiveness analysis of the fracture liaison services model of care for hip fracture in Taiwan. J Formos Med Assoc. 2022 Jan;121(1 Pt 2):425-433. (IF= 3.282, 53/169 in MEDICINE, GENERAL & INTERNAL) (Co-first authors)
12. Hou HA, Tzeng HE, Liu HY, Chou WC, Tien WF, **Chien LN***. Effectiveness of induction regimens on survival outcome in acute myeloid leukemia patients: a real-world data from 2001 to 2015. Ann Hematol. 2022 Jan;101(1):109-118. (IF= 3.673, 35/76 in HEMATOLOGY)

2021

13. Chien SC, Hsu CY, Liu HY, Lin CF, Hung CL, Huang CY, **Chien LN***. Cardiogenic Shock in Taiwan from 2003 to 2017 (CSIT-15 Study) *Critical Care*, 2021 (IF=9.097, 5/36 in CRITICAL CARE MEDICINE)
14. Wu MH, Wu Christopher, Lin JH, Chen LY, Lee CY, Huang TJ, Hsieh YC*, **Chien LN***. Risk factors for spine reoperation and joint replacement surgeries after short-segment lumbar spinal surgeries for lumbar degenerative disc disease: a population-based cohort study. *J CLIN MED* (IF=4.241, 39/169 in MEDICINE, GENERAL & INTERNAL)
15. Chiang KL, Liang CY, Hsieh LP*, **Chien LN***. Analysis of trends and factors determining initial antiseizure medication choice for epilepsy in Taiwan. *Seizure: European Journal of Epilepsy*. (IF= 3.187, 109/208 in CLINICAL NEUROLOGY)
16. Chen PC, Chung CC, Cheng YY, Hong CT, Chan L*, **Chien LN***. Retinal diseases and Parkinson disease: A population-based study. *Front Neurosci*. 2021 Aug 30; 15:679092. doi: 10.3389/fnins.2021.679092. eCollection (IF= 4.677, 87/273 in NEUROSCIENCES)
17. Chen CW, Lin YC, **Chien LN***, Huang CY*. Association of postdischarge adherence to guideline-directed medical therapy and long-term health outcomes after acute myocardial infarction. *J Chin Med Assoc*. 2021 Sep 20. doi: 10.1097/JCMA.0000000000000621. Online ahead of print. (IF= 2.743, 62/169 in MEDICINE, GENERAL & INTERNAL)
18. Chen KY, Wu SM, Tseng CH, Lee KY, Lin YH, Liu HY, **Chien LN***. Combination therapies with thiazolidinediones are associated with a lower risk of acute exacerbations in new-onset COPD patients with advanced diabetic mellitus: a cohort-based case-control study. *BMC Pulm Med* 2021 Apr 29;21(1):141. (IF= 3.317, 31/64 in RESPIRATORY SYSTEM)
19. Lin YC, Chen BL, Shih CM, Lin FY, Chen CW, Hsu CY, Kao YT, Bi WF, Chen LY, **Chien LN***, Fang TC*, Huang CY*. Effectiveness and safety of rivaroxaban versus warfarin in Taiwanese patients with end-stage renal disease and nonvalvular atrial fibrillation: A real-world nationwide cohort study. *PLoS One*. 2021 Apr 8;16(4): e0249940. (IF= 3.240, 26/73 in MULTIDISCIPLINARY SCIENCES)
20. Yeh JS, Hsu CY, Huang CY, Chen WT, Hsieh YC, **Chien LN***. The effect of de-escalation of P2Y12 receptor inhibitor therapy after acute myocardial infarction in patients undergoing percutaneous coronary intervention: A nationwide cohort study. *PLoS One* 2021 Jan 25;16(1): e0246029. (IF= 3.240, 26/73 in MULTIDISCIPLINARY SCIENCES)
21. Li YL, Chuang TW, Chang PY, Su CT, **Chien LN**, Lin LY, Chiou HY. Long-term Exposure to Ozone and Sulfur Dioxide Increases the Incidence of Type 2 Diabetes Mellitus among Aged 30 to 50 adult population. *Environ Res*. 2021 Jan 4;110624. (IF= 6.498, 16/203 in PUBLIC, ENVIRONMENTAL & OCCUPATIONAL HEALTH)
22. Lin CF, Chang YH, Yu FC, Tsai CT, Chen CC, Liu HY, **Chien LN***. Risk of heart failure following drug-eluting stent implantation in patients with non-ST-elevation myocardial infarction. *Atherosclerosis*. 2021 Jan; 316:84-89. (IF= 5.162, 14/65 in PERIPHERAL VASCULAR DISEASE)

2020

23. Sui Y, Hong CT, **Chien LN**, Liu HY, Chiou HY, Hsieh YC. Association between Anemia and Stroke in Females: A Nationwide, Population-Based Cohort Study in Taiwan. *Int J Environ Res Public Health* 2020 Oct 13;17(20):7440. (IF= 3.390, 41/176 in PUBLIC, ENVIRONMENTAL & OCCUPATIONAL HEALTH, SSCI)
24. Yu FC, Chang YH, Chen IM, Liu HY, Lin CF*, **Chien LN***. Effect of drug-eluting stents on 1-year risk of new-onset atrial fibrillation in patients with acute myocardial infarction treated

- with percutaneous coronary intervention. *Medicine (Baltimore)*. 2020 Aug 21;99(34): e21885. (IF= 1.889, 99/169 in MEDICINE, GENERAL & INTERNAL)
25. Chung CC, Huang PH, Chan L, Chen JH, **Chien LN***, Hong CT*. Plasma Exosomal Brain-Derived Neurotrophic Factor Correlated with the Postural Instability and Gait Disturbance-Related Motor Symptoms in Patients with Parkinson's Disease. *Diagnostics (Basel)*. 2020 Sep 11;10(9): E684. (IF= 3.706, 45/169 in MEDICINE, GENERAL & INTERNAL)
 26. Hong CT, Hsieh YC, Liu HY, Chiou HY, **Chien LN***. Association Between Anemia and Dementia: A Nationwide, Population based Cohort Study in Taiwan. *Curr Alzheimer Res* 2020 Apr 17(2):196-204. (IF= 3.498, 91/208 in CLINICAL NEUROLOGY)
 27. **Chien LN**, Liu HY, Chiou HY, Chi NF*. Efficacy and safety of clopidogrel and aspirin do not differ in patients with stable ischemic stroke. *J Chin Med Assoc*. 2020 Jul;83(7):651-656 (IF= 2.743, 62/169 in MEDICINE, GENERAL & INTERNAL)
 28. Hsieh YY, Fang WT, Lo YW, Chen YH, **Chien LN***. Comparing the Effectiveness of Different EGFR-TKIs in Patients with EGFR Mutant Non-Small-Cell Lung Cancer: A Retrospective Cohort Study in Taiwan. *Int J Cancer*. 2020 Aug 15;147(4):1107-1116. (IF= 7.396, 42/242 in ONCOLOGY)
 29. Yang YSH, Chang HW, Lin IH, **Chien LN**, Wu MJ, Liu YR, Chu PG, Xie G, Dong F, Jia W, Chang VHS, Yen Y*. Long-term Proton Pump Inhibitor Administration Caused Physiological and Microbiota Changes in Rats. *Sci Rep*. 2020 Jan 21;10(1):866. (IF= 4.379, 17/73 in MULTIDISCIPLINARY SCIENCES)

2019

30. Kuo YK, Lin IC, **Chien LN**, Lin TY, How YT, Chen KH, Dusting GJ, Tseng CL. Dry Eye Disease: A Review of Epidemiology in Taiwan, and its Clinical Treatment and Merits. *J Clin Med*. 2019 Aug 15;8(8) (IF= 4.241, 39/169 in MEDICINE, GENERAL & INTERNAL)
31. Hong CT, Chan L, Wu D, Chen WT, **Chien LN***. Antiparkinsonism anticholinergics increase dementia risk in patients with Parkinson's disease. *Parkinsonism Relat Disord*. 2019 Aug; 65:224-229. (IF= 4.891, 51/208 in CLINICAL NEUROLOGY)
32. Lin CF, Chang YH, Su CH, Liu HY, **Chien LN***. Risk of new-onset atrial fibrillation after drug-eluting stent implantation in patients with stable coronary artery disease. *Int J Cardiol*. 2019 Sep 15; 291:63-68. (IF= 4.164, 56/141 in CARDIAC & CARDIOVASCULAR SYSTEMS)
33. Lin CF, Chang YH, Chi NF, Chen II, Liu HY, **Chien LN***. Percutaneous coronary intervention in patients hospitalized for non-ST-elevation myocardial infarction and the risk of postdischarge ischemic stroke at 6-month, 1-year, and 3-year follow-ups. *Heart Vessels*, 2019 Jul;34(7):1132-1139. (IF= 2.037, 105/141 in CARDIAC & CARDIOVASCULAR SYSTEMS)
34. Hong CT, Chan L, Wu D, Chen WT, **Chien LN***. Association Between Parkinson's Disease and Atrial Fibrillation: A Population-Based Study. *Front Neurol*. 2019 Feb 5; 10:22. (IF= 4.003, 72/208 in CLINICAL NEUROLOGY)
35. Chen KC, Chen HM, **Chien LN***, Yu MM*. Productivity growth and quality changes of hospitals in Taiwan: does ownership matter? *Health Care Manag Sci*. 2019 Sep;22(3):451-461. (IF= 2.893, 35/88 in HEALTH POLICY & SERVICES) (SSCI)

2018

36. Tsai SC, Sheu SY, **Chien LN**, Lee HC, Yuan EJ, Yuan RY. High exposure compared with standard exposure to metoclopramide associated with a higher risk of parkinsonism: a nationwide population-based cohort study. *Br J Clin Pharmacol*. 2018 Sep;84(9):2000-2009. (IF= 4.335, 91/275 in PHARMACOLOGY & PHARMACY)

37. Chi NF, Kuan YC, Huang YH, Chan L, Hu CJ, Liu HY, Chiou HY, **Chien LN***. Development and validation of risk score to estimate 1-year late poststroke epilepsy risk in ischemic stroke patients. *Clin Epidemiol*. 2018 Aug 21; 10:1001-1011. (IF= 4.790, 37/203 in PUBLIC, ENVIRONMENTAL & OCCUPATIONAL HEALTH)
38. Lin YC, Chien SC, Hsieh YC, Shih CM, Lin FY, Tsao NW, Chen CW, Kao YT, Chiang KH, Chen WT, **Chien LN***, Huang CY*. Effectiveness and Safety of Standard- and Low-Dose Rivaroxaban in Asians With Atrial Fibrillation. *J Am Coll Cardiol*. 2018 Jul 31;72(5):477-485. (IF= 24.094, 4/141 IN CARDIAC & CARDIOVASCULAR SYSTEMS)
39. Chang PY, **Chien LN**, Bai CH, Lin YF, Chiou HY*. Continuity of care with physicians and risk of subsequent hospitalization and end-stage renal disease in newly diagnosed type 2 diabetes mellitus patients. *Ther Clin Risk Manag*. 2018 Mar 13; 14:511-521. (IF= 2.423, 70/108 in HEALTH CARE SCIENCES & SERVICES)
40. Chi NF, Wang Y, **Chien LN**, Chien SC, Ko Y*. Health Care Costs and Utilization of Dabigatran Compared with Warfarin for Secondary Stroke Prevention in Patients with Nonvalvular Atrial Fibrillation: A Retrospective Population Study. *Med Care*. 2018 May;56(5):410-415. (IF= 2.983, 46/108 in HEALTH CARE SCIENCES & SERVICES)
41. Lin CF, Chang YH, Chi NF, Chuang MT, **Chien LN***. Effect of early percutaneous coronary intervention on 1-year risk of pneumonia and pneumonia related adverse outcomes in patients with acute myocardial infarction. *EuroIntervention*. 2018 Feb 20;13(14):1705-1713. (IF= 6.534, 25/141 in CARDIAC & CARDIOVASCULAR SYSTEMS)

More in PubMed <https://pubmed.ncbi.nlm.nih.gov/?term=Chien+LN>