
Cheng-Yun (Christy) Pu

蒲正筠

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Degree

<u>Institutes</u>	<u>Degree</u>	<u>Department</u>	<u>Period</u>
National Yang-Ming University (Taiwan)	PhD	Public Health	09/2005~06/2008
University of Oxford (UK)	MSc	Economics	08/2002~07/2003
University of the West Indies (Trinidad)	BSc	Economics	08/1999~07/2002

Current position

Professor: Institute of Public Health, National Yang-Ming Chiao Tung University, Taipei, Taiwan.

Experiences

1. Visiting Scholar. School of Public Health, University of Michigan (08/2019~03/2020)
Fulbright Senior Scholar.
2. Associate Professor. Institute of Hospital & Healthcare Management, National Yang-Ming University (02/2013~01/2018).
3. Assistant Professor. Institute of Hospital & Healthcare Management, National Yang-Ming University (02/2010~01/2013).
4. Researcher. Food and Drug Administration (TFDA), Department of Health, Taiwan (01/2009~02/2010).
5. National Taipei College of Nursing. Lecturer (health economics) (02/2004~06/2006).
6. Division Head: Division of Health Policy & Law, Department of Public Health, National Yang-Ming University (2018-2019)
7. Deputy Head: Office of Student Affairs. National Yang-Ming University. (2018-2019)
8. Section Head: Student Housing Guidance Section, National Yang-Ming University. (2017-2019)
9. 陽明大學醫學院卓越研究發展委員會之委員 (110/2/1-112/1/31)
10. 榮總特聘研究員 (110/4/1-111/12/31)
11. 台灣健康經濟學會監事 (109/1-present)

Professional skills and qualifications

1. **Analysis of complex survey data** (Credit obtained from University of Michigan, USA 2021)
2. **Survey sampling method** (Credit obtained from University of Michigan, USA 2020). Sampling, sample size calculation, clinical trial design and sampling.
3. **Questionnaire design** (Credit obtained from University of Michigan, USA 2021)
4. **Advanced statistical analysis:** Professional knowledge of statistical programs; expertise in longitudinal data analysis, survival analysis, mixed effect models, causal effect inferences, big data analysis, mediation analysis, survival analysis, clinical data analysis.
5. **Other qualification:**
 1. Cost benefit analysis
 2. Advanced econometrics.
 3. Analysis of clinical trial data

Research interests

1. National Health Accounts
2. Out-of-pocket healthcare spending and health costs estimation
3. Health services research

Other research interests:

Public health in ophthalmology
Cost benefit analysis
Disability

Main courses offered

1. Introduction to Economics
2. Applied econometrics in healthcare
3. Health Economics
4. Applied Economics for Managers

Projects/grants

Research Grants (PI)

- Out-of-pocket estimation in Taiwan (2/3). (2022.08-2023.07) (**Ministry of Science and Technology (MOST)**)
- Out-of-pocket estimation in Taiwan (1/3). (2021.08-2022.07) (**Ministry of Science and Technology (MOST)**)
- The effect of market structure and regionalization on continuity of care and patient outcome. 2020.08-2022.07 (**Ministry of Science and Technology (MOST)**)
- National Health Accounts Estimation and Model development (Long-term care estimation). *Ministry of Health: 2020.01 ~2020.12* (**Ministry of Health**)
- National Health Accounts Estimation and Model development. *Ministry of Health: 2019.01 ~2019.12* (**Ministry of Health**)
- Out-of-pocket Healthcare Spending. 2018.08~2018.12 (**National Health Insurance Administration**)
- Continuity of care, healthcare system and drug-drug interaction. *Ministry of Science and Technology, Taiwan 2017.08~2019.07.* (**Ministry of Science and Technology (MOST)**)
- National Health Accounts Estimation and Model development. *Ministry of Health: 2016.04 ~2018.12* (**Ministry of Health**)
- Out-of-pocket medical expenditure under National Health Insurance in Taiwan. *Ministry of Science and Technology, Taiwan: 2013.08~2016.07.* (**Ministry of Science and Technology(MOST),**)
- Health accounts and out-of-Pocket health expenditure estimation. *Ministry of Health: 2014.01 ~2015.12* (**Ministry of Health**)
- The relationship between continuity of care and health outcome: the issue of endogeneity. 2012.08~2013.07 (**Ministry of Science and Technology(MOST)**)

Awards

獲獎年月	獲獎名稱
98.10	97-2 醫學系優良教師 (感謝狀)
99.10	98-2 醫學系優良教師 (感謝狀)
102.10	101-2 醫學系優良教師 (感謝狀)
103.10	102-2 醫學系優良教師 (感謝狀)
104.10	103-2 醫學系優良教師 (獎座)
101.9	101 良師益友獎
102.9	102 優良導師

103.9	103 校級傑出教師
106.9	106 優良導師
106.9	106-2 醫學系優良教師 (獎狀)
107.9	107 良師益友獎
108.9	107-2 醫學系優良教師 (獎狀)
108.9	Fulbright Senior Research Grant
109.9	108 醫學院院級教學傑出獎 (院獎勵)
110.9	109-2 醫學系優良教師 (獎狀)
111.09	110 校級優良教學獎

Publications

(* Corresponding author)

1. CH Hou, **C Pu*** (2022) Patients' awareness of their intraocular pressure. *Clinical and Experimental Ophthalmology* (accepted)
2. CH Hou, **C Pu*** (2022) Medication Adherence in Glaucoma Patients with Disability-Reply. *JAMA Ophthalmology*. online January 2022.
3. CH Hou, **C Pu*** (2022) Association between visual impairment and health care utilization. *American Journal of Ophthalmology*, 234.166-173. 2022.
4. YL Chen, **C Pu**, KK Lin, JS Lee, L Liu, CH Hou*(2022) Visual quality and contrast sensitivity in patients with scleral-fixated intraocular lenses. *Journal of Clinical Medicine*. (Online).
5. CH Hou, **C Pu*** (2021) Medication Adherence in Glaucoma Patients with Disability. *JAMA Ophthalmology*. online October 28, 2021.
doi:10.1001/jamaophthalmol.2021.4415 (國立陽明交通大學110年第四季重要期刊論文獎)
6. Some YM, **C Pu**, SL Huang*, (2021) Empowerment and use of modern contraceptive methods among married women in Burkina Faso: a multilevel analysis. *BMC Public Health*. **21**, 1498 (2021)
7. CH Hou, JS Lee, KK Lin, L Liu, YS Lee, **C Pu*** (2021). Accuracy of perceived glaucoma risk by patients in a clinical setting. *Plos One*.16/2021

8. O Batbold, **C Pu*** (2021) Crowding-Out Effect of Out-of-Pocket Health Expenditures on Consumption among Households in Mongolia. *International Journal of Health Policy and Management* (online ahead of print).
9. CH Hou, KJ Chen, JS Lee, KK Lin, **C Pu*** (2021) Effect of the Time Interval Between Cataract Surgery for Both Eyes on Mental Health Outcome: A cohort study of 585 422 patients. *BMC Ophthalmology*, 1;21(1):110.
10. O Batbold, **C Pu*** (2021) Disparities in depression status among different industries in transition economy: a cross-sectional study of Mongolia. *Asia Pacific Journal of Public Health*, 33(4):418-426.
11. YA Wong, CY Deng, **C Pu*** (2020) Targeting continuity of care and polypharmacy to reduce drug-drug interaction. *Scientific Reports*. 10(1):21279. doi: 10.1038/s41598-020-78236-y.
12. Ochirbat Batbold, **C Pu*** (2020). Willingness to pay for private health insurance among workers with mandatory social health insurance in Mongolia. *International Journal of Equity for Health* 6;20(1):7. doi: 10.1186/s12939-020-01343-9.
13. **C Pu***, JY Guo, YH Yeh, P. Sankara (2020). Comparison of knowledge on stroke for stroke patients and the general population in Burkina Faso: a cross-sectional study. *AIMS Public Health* 7(4): 723-735. doi: 10.3934/publichealth.2020056.
14. YC Lu, **C Pu**, CH Hou*, (2020) The effect of continuity of care and provider volume on late presentation of glaucoma: a nested case control study. *Journal of Glaucoma* 1;30(2):187-191. doi: 10.1097/IJG.0000000000001695
15. CH Hou, KK Lin, JS Lee, **CY Pu***(2020) Medication Adherence in Patients with Glaucoma After Cancer Diagnosis. *American Journal of Ophthalmology*, 213, 88-96. (MOST Grant number: 106-2314-B-010-024-MY2)
16. Javid N, **CY Pu***(2020) Maternal stature, maternal education and child growth in Pakistan: a cross-sectional study. *AIMS Public Health* 7(2):380-392.
17. YT Chen, IJ Wang, **CY Pu***(2019) perception and willingness to maintain provider care continuity for their children under universal health coverage. *AIMS Public Health* 2019; 6(2): 121–134. (MOST Grant number: 106-2314-B-010-024-MY2)
18. Chang CL, Tang GJ, Wu CP, **CY Pu**, Chen HC. (2019). The influence of nurse practitioner staffing on intensive care unit mortality. *Journal of the American Association of Nurse Practitioners* (epub)
19. TH Wang, YH Yeh, **CY Pu*** (2019) Excess mortality reduction given a “reduce patient mortality at all costs” scenario for mass burn casualties. *Burns* 2019 May 3. pii: S0305-4179(18)30781-2. doi: 10.1016/j.burns.2019.04.009. [Epub ahead of print]. (MOST Grant number: 106-2314-B-010-024-MY2)
20. YC Ku, YJ Chou, MC Lee, **CY Pu*** (2018) Effects of National Health Insurance on household out-of-pocket expenditure structure. *Social Science and Medicine* 2019 Feb;222:1-10. doi: 10.1016/j.socscimed.2018.12.010. Epub 2018 Dec 8. (MOST Grant number: 106-2314-B-010-024-MY2)

21. YS Huang, **CY Pu*** (2018). Quantifying and decomposing changes in outpatient utilization at medical institutions with different tiers in Taiwan, 2005-2015. *Journal of the Formosan Medical Association*,117(6) 460-461.
22. YH Lin, Tzu-Yang Tai, **CY Pu**, DK Hwang, Yu-Mei Chung, and YJ Chou (2018). Epidemiology of Behcet's Disease in Taiwan: A Population-Based Study. *OPHTHALMIC EPIDEMIOLOGY*, 2018 Aug;25(4):323-329
23. TS Wang, **CY Pu*** (2017) Response to "Towards a reliable paradigm shift in emergency medical service for improving mass burn casualty response". *Burns* 43(8): 1822.
24. GY Kuo, YJ Chou, **CY Pu*** (2017). Effect of continuity of care on drug-drug-interaction. *Medical Care*. 55(8):744-751 (MOST 102-2314-B-010-015-MY3)
25. E. Chuluunbaatar, YJ Chou, **CY Pu*** (2017). Changes in Caregiver Burden among Informal Caregivers of Stroke Patients in Mongolia. *Topics in Stroke Rehabilitation*; 24(4):314-321
26. P Khumalo, YJ Chou, **CY Pu***(2016). Antiretroviral treatment attrition in Swaziland: a population-based study. *Epidemiology and Infection*. 22:1-9.
27. TS Wang, WS C, YH Yeh, **CY Pu*** (2016) Experience of distributing 499 burn casualties of the June 28, 2015 Formosa Color Dust Explosion in Taiwan. *Burns*, 43(3): 624–631
28. YS Yeh, YJ Chou, N Huang, **CY Pu***, P. Chou (2016). Seasonal variations of prescriptions for the major syndrome types and manifestations of upper respiratory tract infection in tradition Chinese medicine. *Complementary Therapies in Medicine*, 29:213-218.
29. YS Yeh, YJ Chou, **CY Pu*** (2016). The Trends of Utilization in Traditional Chinese Medicine in Taiwan from 2000 to 2010: A Population-Based Study. *Medicine*, 95(27):e4115.
30. CF Chang, YL Kuo, **CY Pu***, YJ Chou (2016) Neck dissection and stroke in oral cavity cancer patients: A population-based cohort study. *Head & Neck*, 39(1):63-70.
31. **CY Pu***, YJ Chou (2016) The Impact of Continuity of Care on Emergency Room Use in a Healthcare System without Referral Management: An Instrumental Variable Approach. *Annals of Epidemiology*;26(3):):183-8
32. CS Hsu, YJ Chou, **CY Pu*** (2016). The Effect of Continuity of Care on Emergency Room Use for Diabetic Patients Varies by Disease Severity. *Journal of Epidemiology*, 26(8): 413–419.
33. E Chuluunbaatar, YJ Chou, **CY Pu*** (2015). Quality of Life of Stroke Survivors and Their Informal Caregivers: A Prospective Study. *Disability and Health Journal*, 9 (2):306–312.
34. Chen TY, YJ Chou, **CY Pu***, P. Chou. (2015). Exploring the Role of Multiple Chronic Conditions in Traditional Chinese Medicine use and Three Types of Traditional Chinese Medicine Therapy among Adults in Taiwan. *Journal of Alternative and Complementary Medicine*; 21(6):350-7.

35. Chou, Y. C., Lu, Z. Y., & **CY Pu** (2015). Attitudes toward male and female sexuality among men and women with intellectual disabilities. *Women & Health*, 55(6), 663-678.
36. **CY Pu***(2015)The Influence of the Common Cold on Self-Rated Health: A Population–Based Study. *AIMS Public Health*, 2(3): 247-255.
37. Tsai HY, YJ Chou, **CY Pu*** (2015) Continuity of Care Trajectories and Emergency Room Use among Patients with Diabetes. *International Journal of Public Health*;60(4):505-13.
38. Adams R, YJ Chou, **CY Pu *** (2015). Willingness to Participate and Pay for a Proposed National Health Insurance in St. Vincent and the Grenadines: A Cross-sectional Contingent Valuation Approach. *BMC Health Services Research (SCD)*, 15:148
39. Zoungrana A, YJ Chou, **CY Pu *** (2014) Socioeconomic and environment determinants as Predictors of severe malaria in children under five years of age admitted in two hospitals in Koudougou district, Burkina Faso: A cross sectional study. *ACTA Tropica*;139:109-14.
40. Chou YC*, Lu ZY, **CY Pu** (2014) Attitudes towards male and female sexuality among men and women with intellectual disabilities. *Women and Health*, 55(6):663-78.
41. Hwang DK, ; JL Liu, MD; **CY Pu**, YJ Chou, P Chou (2014) Persistence of Topical Glaucoma Medication: A Nationwide Population-Based Cohort Study in Taiwan. *JAMA Ophthalmology*, 132(12):1446-52
42. Chou, Y.C.*, Kröger T. **CY Pu**, (2014) Universal breadwinner vs. universal caregiver model: fathers' involvement in caregiving and well-being of mothers of offspring with intellectual disabilities. *Journal of Applied Research in Intellectual Disabilities*,29(1):34-45.
43. Fang, YT, LK Chen, CY Liu e, YJ Chou, **CY Pu ***, PJ Lin, HY Hu, N. Huang , P Chou (2013). Prescription of atropine eye drops among children diagnosed with myopia in Taiwan from 2000 to 2007: a nationwide study. *Eye* 27(3):418-24.
44. DR Huang, YJ Chou, **CY Pu***, P Chou. (2013) Risk Factors for Developing Glaucoma among Patients with Uveitis - a Nationwide Study in Taiwan. *Journal of Glaucoma*. 24(3):219-224
45. Chou, Y.C.*, Lu,ZY Jane & **CY Pu** (2013). Menopause experiences and attitudes in women with intellectual disabilities and in their family carers. *Journal of Intellectual and Developmental Disability*, 38(2):114-23.
46. **CY Pu**, GJ Tang, YT Fang, YJ Chou* (2012). Which domain of self-rated health better predicts medical care utilization for general adults? *Journal of Epidemiology*, 5;22(5):417-24.
47. **CY Pu**, YM Bai, YJ Chou* (2012). The impact of self-rated health on medical care utilization for elderly with depressive symptoms. *International Journal of Geriatric Psychiatry* 28(5):479-86.
48. DG Huang, YJ Chou, **CY Pu***, P. Chou. (2012) Epidemiology of Uveitis among the Chinese population in Taiwan – A Population-Based Study. *Ophthalmology*

119(11):2371-6.

49. Fang, YT, YJ Chou, **CY Pu** *, PJ Lin, HY Hu, N. Huang , P Chou (2012). Factors associated with subsequent eye care for children in Taiwan: A population based historical cohort study. *Ophthalmic Epidemiology* 19(6):350-7.
50. Fang, YT, LK Chen, CY Liu e, YJ Chou, **CY Pu** *, PJ Lin, HY Hu, N. Huang , P Chou (2012). The Association between Physical Disability and Eye Care Utilization among Elderly Population in Taiwan: a Nationwide Cohort Study. *Archives of Gerontology and Geriatrics* 54(2):181-186.
51. Chou, Y. C., Fu, L. **CY Pu**, J. Y., & Chang, H. H. (2012). Difficulties of work-care reconciliation: Employed and non-employed mothers of children with intellectual disabilities. *Journal of Intellectual and Developmental Disability* 37(3):260-8.
52. Kuo, PL, **CY Pu** * (2011). The contribution of depression to mortality among elderly with self-reported hypertension: analysis using a national representative longitudinal survey. *Journal of Hypertension*, 29(11):2084-90.
53. **CY Pu** G.J. Tang, N. Huang, Y.J. Chou* (2011). The predictive power of self-rated health for subsequent mortality risk at old age: An analysis using a national representative survey of the elderly in Taiwan. *Journal of Epidemiology*, 5;21(4):278-84
54. **CY Pu**, N. Huang G.J., Tang, Y.J. Chou* (2011). When does poor subjective financial position hurt the elderly? Testing the interaction with educational attainment using a national representative longitudinal survey. *BMC Public Health*, 11:166.
55. **CY Pu**, N. Huang, Y.J. Chou* (2011). Do agreements between adolescent and parent reports on family socioeconomic status vary with household economic stress? A cross-sectional analysis in Taiwan. *BMC Medical Research Methodology*, 11: 50.
56. Chou, Y.C.*, **CY Pu**, Kröger T. WP Lee & SC Chang. (2011). Outcomes of a New Residential Scheme for Adults with Intellectual Disabilities in Taiwan: A Two-Year Follow-up. *Journal of Intellectual Disability Research (JIDR)* 55(9):823-31
57. Wu, C.Y., Hu, H.Y., **CY Pu**, Huang, N., Shen, H.C., Li, C.P., Chou, Y.J.* (2011) Aerodigestive tract, lung and hematologic cancers are risk factors for tuberculosis: an 8 year population-based study. *International Journal of Tuberculosis and Lung Disease*. 15(1):125-130 (SCI)
58. Wu, C.Y., Hu, H.Y., **CY Pu**, Huang, N., Shen, H.C., Li, C.P., Chou, Y.J.* (2011) Pulmonary Tuberculosis Increases the Risk of Lung Cancer: a Population-Based Cohort Study. *Cancer*. 117(3):618-624.
59. **CY Pu** * Chou, Y.J. (2010). Health ratings for underweight, overweight and obese adolescents: Disparities between adolescent's own report and the parent's report. *Asia Pacific Journal of Clinical Nutrition* 19(2):180-187.
60. Wang, P.J., Chou, Y.J., Lee, C.H., **CY Pu** *(2010) Diffusion of new medication across different income groups under a universal health insurance program - An example of newly enlisted NSAIDs for elderly osteoarthritis patients. *International Journal of Public Health*, 55(5):497-506 (SCI)
61. Chou, Y.C.*, **CY Pu**, Fu, L.Y. & Kröger T. (2010). Depression among Older Female Carers of Adults with Intellectual Disabilities. *Journal of Intellectual Disability*

Research (JIDR), 54(12):1031-44.

62. Wu, C.Y., Hu, H.Y., Huang, N., **CY Pu**, Shen, H.C., Chou, Y.J.* (2010) Do the health care workers gain protected against herpes zoster infection? A 6-year population-based study in Taiwan. *The Journal of Dermatology*. 37(5):463-470.
63. Chou, Y.C.*, **CY Pu** Kröger, T & Fu, LY (2010). Caring, employment and quality of life: a comparison of employed and non-employed mothers of adults with ID. *American Journal on Mental Retardation*. 115(5): 406-420.
64. Chou, Y.C.*, **CY Pu** Lee, YC, Lin LC & Kröger, T (2009). Effect of perceived stigmatization on the quality of life among ageing female family carers: A comparison of carers of adults with intellectual disability and carers of adults with mental illness. *Journal of Intellectual Disability Research(JIDR)*, 53: 654-664.
65. Chou, Y.C.*, Lu, Z.Y. Jane, **CY Pu** (2009). Prevalence and Severity of Menstrual Symptoms among Institutionalized Women with an Intellectual Disability. *Journal of Intellectual & Developmental Disability*, 34(1) 36-44.
66. **CY Pu**, Lan, V.M., Chou, Y.J., Lan, C.F.* (2008). The crowding-out effects of tobacco and alcohol where expenditure shares are low: Analyzing expenditure data for Taiwan. *Social Science & Medicine*, 66 , 1979-1989.
67. **CY Pu**, Lan, V.M, Lan, C.F.* & Lang, H.C. (2008). The determinants of traditional Chinese medicine and acupuncture utilization for cancer patients with simultaneous conventional treatment. *European Journal of Cancer Care*. 17(4) 340-349.(SCI)
68. Chou, Y.C.*, Lu, Z.Y., **CY Pu**, Lan, C.F. (2008). Predictors of Female Worker Attitudes towards Menstruation and the Provision of Help to Institutionalized Women with Intellectual Disabilities in Taiwan. *Social Science & Medicine* 67(4):540-545.
69. Chou, Y.C.*, Lin, L.C. **CY Pu**, Lee, W.P., Chang, S.C. (2008). Outcomes and Costs of Residential Services for Adults with Intellectual Disabilities in Taiwan: A Comparative Evaluation. *Journal of Applied Research in Intellectual Disabilities*. 21(2), 114-125.
70. Chou, Y.C*, Tzou, P.Y, **CY Pu**, Kröger, T., Lee, W.P. (2008). Respite care as community care Service: Factors associated with the effects on family carers of adults with intellectual disabilities in Taiwan. *Journal of Intellectual & Developmental Disability*, 3(1),12-21.

Professional Affiliations

Taiwan Health Economics Association (Board)
AIMS Public Health Journal (Associate Editor)
PLOS One (Associate editor)
Academy Health (Member)
American Public Health Association (Member)
International Health Economics Association (Member)

Professional activities

年度	會議名稱	主辦單位	開會地點	經費來源	擔任職務	會議期間
2016	12h Annual Meeting of Asia Pacific Health Accounts Experts	世界衛生組織、經濟合作暨發展組織	韓國首爾	衛福部	與談人	16/6/2016-17/6/2016
2018	14 th OECD-WHO Bi-regional NHA experts meeting	世界衛生組織、經濟合作暨發展組織	韓國首爾	衛福部	與談人	25/04/2018-26/04/2018
2019	15th Annual Meeting of Asia Pacific Health Accounts Experts	世界衛生組織、經濟合作暨發展組織	韓國首爾	衛福部	與談人	2019/3/25-2019/3/29
2020	Taiwan's response strategies to COVID-19	Fulbright	台北	Fulbright	Keynote speaker	8/20/2020
2022	Continuity of care in US (Research sharing)	Fulbright	台北	Fulbright	Speaker	3/09/2022