

Curriculum Vitae

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Education

- Ph.D. of Health Services and Policy Analysis, University of California at Berkeley (1994-1998)
- Master of Health Administration, University of North Carolina at Chapel Hill (1991-1993)
- B.S. in Nursing, National Yang Min University (1987-1991)

Research Interest

Pharmacoeconomics	Health Technology Assessment (Cost-Effectiveness Analysis)
Health Economics	Pharmacoepidemiology
Health Policy Evaluation	Tobacco Control

Work Experience

- Associate Investigator of Center for Health Policy Research and Development, National Health Research Institutes, Taiwan
- Researcher of market analysis at Kaiser Foundation Health Plan, USA

Publications

a. SCI/SSCI paper

1. Chueh, C. H., Yu, H. J., Wen, Y. W., Shiu, M. N., Chen, Y. Y., Chiang, S. C., & Tsai, Y. W. (2024). *Impact of Same-Day ART Initiation on Medical Care and Medication Discontinuation Among Patients with Incident HIV Infection or AIDS in Taiwan: A Population-Based Cohort Study*. *Journal of Infection and Public Health*. (Under review)
2. Chiang, S. T., Chueh, C. H., Wen, Y. W., Shiu, M. N., Li, W. H., & Tsai, Y. W. (2024). *Cost-Effectiveness of Lenvatinib plus Pembrolizumab as Second-Line Treatment for Advanced Endometrial Carcinoma*. *American Journal of Obstetrics and Gynecology*. (Under review)
3. Chueh, C. H., Ho, P. K., Li, W. H., Shiu, M. N., Wang, I. T., Wen, Y. W., & Tsai, Y. W. (2024). The 2017 Women's Health Initiative study and use of hormone therapy: an emulated repeated cross-sectional study. *BMC Public Health*. (Accepted)
4. Chen, K. A., Huang, W. M., Chen, E. Y. T., Ho, P. K., Chueh, C. H., Wen, Y. W., Chen, M. H., Chiang, N. J., & Tsai, Y. W. (2024). Cost-effectiveness of ivosidenib versus

- chemotherapy for previously treated IDH1-mutant advanced intrahepatic cholangiocarcinoma in Taiwan. *BMC Cancer*, 24(1), 622. doi:10.1186/s12885-024-12362-y
5. Chueh, C. H., Tsai, Y. W., Chen, Z. R., Shiu, M. N., Wen, Y. W., & Chiang, N. J. (2023). Cost-Effectiveness Analysis of a New Second-Line Treatment Regimen for Advanced Intrahepatic Cholangiocarcinoma: Biomarker-Driven Targeted Therapy of Pemigatinib Versus 5-FU Chemotherapy. *Pharmacoeconomics*, 41(3), 307-319. doi:10.1007/s40273-022-01227-6
 6. Chen, Z. R., Chueh, C. H., Chiang, N. J., & Tsai, Y. W. (2023). Cost-effectiveness of pemigatinib as a second-line treatment for advanced intrahepatic cholangiocarcinoma with fibroblast growth factor receptor 2 fusions in Taiwan: from the evidence of the phase II trial and the perspective of Taiwan's National Health Insurance Administration. *Cost Eff Resour Alloc*, 21(1), 61. doi:10.1186/s12962-023-00473-5
 7. Tseng, C. Y., Tsai, Y. W., & Shiu, M. N. (2023). Cost-effectiveness analysis of atezolizumab plus bevacizumab versus sorafenib in first line treatment for Chinese subpopulation with unresectable hepatocellular carcinoma. *Frontiers in oncology*, 13, 1264417. <https://doi.org/10.3389/fonc.2023.1264417>
 8. Yang, S. N., Chueh, C. H., Peng, L. N., & Tsai, Y. W. (2022). Impacts of intervals between sequential development of depression and dementia in older adults: A nationwide population-based study. *Arch Gerontol Geriatr*, 101, 104693. doi:10.1016/j.archger.2022.104693
 9. Wen, Y. W., Wang, I. T., Hu, Y. T., Cheng, H. M., Cheng, K. W., Shiu, M. N., & Tsai, Y. W. (2022). Duration of varenicline prescription and efficacy of smoking cessation treatment: an observational study in Taiwan. *Prev Med*, 161, 107091. doi:10.1016/j.ypmed.2022.107091
 10. Tsai, T. I., Tsai, Y. W., & Lee, S. D. (2022). Health literacy and weight management - Results of a nationwide survey in Taiwan. *Chronic Illn*, 18(4), 796-805. doi:10.1177/17423953211039770
 11. Chang, P. Y., Wang, W. T., Wu, W. L., Chang, H. C., Chen, C. H., Tsai, Y. W., . . . Chiang, C. E. (2022). Oral Anticoagulation Timing in Patients with Acute Ischemic Stroke and Atrial Fibrillation. *Thromb Haemost*, 122(6), 939-950. doi:10.1055/a-1669-4987
 12. Thijs, L., Asayama, K., Maestre, G. E., Hansen, T. W., Buyse, L., Wei, D. M., . . . Staessen, J. A. (2021). Urinary proteomics combined with home blood pressure telemonitoring for health care reform trial: rational and protocol. *Blood Press*, 30(5), 269-281. doi:10.1080/08037051.2021.1952061
 13. Chang, P. Y., Wang, H., Chiang, C. E., Chen, C. H., Yeh, W. Y., Henderson, V. W., . . . Cheng, H. M. (2021). Vascular complications of diabetes: natural history and corresponding risks of dementia in a national cohort of adults with diabetes. *Acta Diabetol*, 58(7), 859-867. doi:10.1007/s00592-021-01685-y
 14. Chang, H. C., Wu, C. L., Lee, Y. H., Gu, Y. H., Chen, Y. T., Tsai, Y. W., . . . Cheng, H. M. (2021). Impact of dietary intake of sodium and potassium on short-term blood pressure variability. *J Hypertens*, 39(9), 1835-1843. doi:10.1097/hjh.0000000000002856
 15. Chiu, H. Y., Chang, W. L., Tsai, T. F., Tsai, Y. W., & Shiu, M. N. (2018). Risk of Psoriasis Following Terbinafine or Itraconazole Treatment for Onychomycosis: A

- Population-Based Case-Control Comparative Study. *Drug Saf*, 41(3), 285-295.
doi:10.1007/s40264-017-0614-2
16. Wang, Y. T., Tsai, Y. W., Tsai, T. I., & Chang, P. Y. (2017). Children's exposure to secondhand smoke at home before and after smoke-free legislation in Taiwan. *Tob Control*, 26(6), 690-696. doi:10.1136/tobaccocontrol-2016-053039
 17. Wang, C. Y., Lin, Z. F., Lee, C. M., Tsai, Y. W., Huang, T. Y., Shen, L. J., & Hsiao, F. Y. (2017). Concomitant use of calcium channel blockers with dual antiplatelet therapy and re-hospitalization for acute coronary syndrome. *Pharmacoepidemiol Drug Saf*, 26(3), 229-238. doi:10.1002/pds.4147
 18. Chiu, H. Y., Wang, I. T., Huang, W. F., Tsai, Y. W., & Tsai, T. F. (2017). Risk of varicocele in patients with rheumatoid arthritis, ankylosing spondylitis, and psoriatic disease: a population-based case-control study. *Scand J Rheumatol*, 46(5), 411-413. doi:10.1080/03009742.2016.1245779
 19. Chiu, H. Y., Wang, I. T., Huang, W. F., Tsai, Y. W., Shiu, M. N., & Tsai, T. F. (2017). Increased risk of avascular necrosis in patients with psoriatic disease: A nationwide population-based matched cohort study. *J Am Acad Dermatol*, 76(5), 903-910.e901. doi:10.1016/j.jaad.2016.11.001
 20. Chang, H. C., Tsai, Y. W., Shiu, M. N., Wang, Y. T., & Chang, P. Y. (2017). Elucidating challenges that electronic cigarettes pose to tobacco control in Asia: a population-based national survey in Taiwan. *BMJ Open*, 7(3), e014263. doi:10.1136/bmjopen-2016-014263
 21. Lo, P. C., Li, C. Y., Huang, W. F., Tsai, Y. W., Liu, H. N., Chang, Y. T., . . . Tsai, T. F. (2016). Risk of fractures in vitiligo patients treated with phototherapy-A retrospective population-based cohort study. *J Dermatol Sci*, 82(3), 197-203. doi:10.1016/j.jdermsci.2016.02.010
 22. Lee, S., Tsai, Y. W., & Sung, H. Y. (2016). Smoking cessation and receipt of cessation advice from health professionals among older smokers in Taiwan. *Prev Med*, 91, 89-95. doi:10.1016/j.ypmed.2016.08.002
 23. Chiu, H. Y., Lo, P. C., Huang, W. F., Tsai, Y. W., & Tsai, T. F. (2016). Increased risk of aortic aneurysm (AA) in relation to the severity of psoriasis: A national population-based matched-cohort study. *J Am Acad Dermatol*, 75(4), 747-754. doi:10.1016/j.jaad.2016.06.002
 24. Chiu, H. Y., Hsieh, C. F., Chiang, Y. T., Tsai, Y. W., Huang, W. F., Li, C. Y., . . . Tsai, T. F. (2016). Concomitant Sleep Disorders Significantly Increase the Risk of Cardiovascular Disease in Patients with Psoriasis. *PLoS One*, 11(1), e0146462. doi:10.1371/journal.pone.0146462
 25. Chang, P. Y., Lo, P. C., Chang, H. C., Hsueh, K. C., & Tsai, Y. W. (2016). Comparative Effectiveness of Smoking Cessation Medications: A National Prospective Cohort From Taiwan. *PLoS One*, 11(11), e0166992. doi:10.1371/journal.pone.0166992
 26. Tsai, Y. W., Chang, L. C., Sung, H. Y., Hu, T. W., & Chiou, S. T. (2015). The impact of smoke-free legislation on reducing exposure to secondhand smoke: differences across gender and socioeconomic groups. *Tob Control*, 24(1), 62-69. doi:10.1136/tobaccocontrol-2013-051004

27. Tsai, Y. W., Chang, H. C., & Chiou, S. T. (2015). The impact of multipolicy tobacco control legislation on smoking behavior. *Public Health*, 129(7), 1003-1006. doi:10.1016/j.puhe.2015.05.013
28. Tsai, T. I., Lee, S. Y., & Tsai, Y. W. (2015). Explaining selected health behaviors in a national sample of Taiwanese adults. *Health Promot Int*, 30(3), 563-572. doi:10.1093/heapro/dat085
29. Chiu, H. Y., Chang, W. L., Huang, W. F., Wen, Y. W., Tsai, Y. W., & Tsai, T. F. (2015). Increased risk of arrhythmia in patients with psoriatic disease: A nationwide population-based matched cohort study. *J Am Acad Dermatol*, 73(3), 429-438. doi:10.1016/j.jaad.2015.06.023
30. Sung, H. Y., Chang, L. C., Wen, Y. W., & Tsai, Y. W. (2014). The costs of smoking and secondhand smoke exposure in Taiwan: a prevalence-based annual cost approach. *BMJ Open*, 4(7), e005199. doi:10.1136/bmjopen-2014-005199
31. Hwang, A. C., Peng, L. N., Wen, Y. W., Tsai, Y. W., Chang, L. C., Chiou, S. T., & Chen, L. K. (2014). Predicting all-cause and cause-specific mortality by static and dynamic measurements of allostatic load: a 10-year population-based cohort study in Taiwan. *J Am Med Dir Assoc*, 15(7), 490-496. doi:10.1016/j.jamda.2014.02.001
32. Huang, W. F., Chou, H. C., Tsai, Y. W., & Hsiao, F. Y. (2014). Safety of deferasirox: a retrospective cohort study on the risks of gastrointestinal, liver and renal events. *Pharmacoepidemiol Drug Saf*, 23(11), 1176-1182. doi:10.1002/pds.3657
33. Cheng, C., Lin, C. H., Tsai, Y. W., Tsai, C. J., Chou, P. H., & Lan, T. H. (2014). Type 2 diabetes and antidiabetic medications in relation to dementia diagnosis. *J Gerontol A Biol Sci Med Sci*, 69(10), 1299-1305. doi:10.1093/gerona/glu073
34. Wen, Y. W., Tsai, Y. W., Wu, D. B., & Chen, P. F. (2013). The Impact of Outliers on Net-Benefit Regression Model in Cost-Effectiveness Analysis. *PLoS One*, 8(6), e65930. doi:10.1371/journal.pone.0065930
35. Tsai, Y. W., Hsiao, F. Y., Wen, Y. W., Kao, Y. H., Chang, L. C., Huang, W. F., . . . Chen, L. K. (2013). Clinical outcomes of vertebroplasty or kyphoplasty for patients with vertebral compression fractures: a nationwide cohort study. *J Am Med Dir Assoc*, 14(1), 41-47. doi:10.1016/j.jamda.2012.09.007
36. Lee, S. Y., Tsai, T. I., & Tsai, Y. W. (2013). Accuracy in self-reported health literacy screening: a difference between men and women in Taiwan. *BMJ Open*, 3(11), e002928. doi:10.1136/bmjopen-2013-002928
37. Kao, Y. H., Chang, L. C., Huang, W. F., Tsai, Y. W., & Chen, L. K. (2013). Health characteristics of older people who rotationally live with families: a nationwide survey. *J Am Med Dir Assoc*, 14(5), 331-335. doi:10.1016/j.jamda.2012.10.024
38. Hsiao, F. Y., Hsieh, P. H., Huang, W. F., Tsai, Y. W., & Gau, C. S. (2013). Risk of bladder cancer in diabetic patients treated with rosiglitazone or pioglitazone: a nested case-control study. *Drug Saf*, 36(8), 643-649. doi:10.1007/s40264-013-0080-4
39. Yeh, H. T., Hsieh, C. F., Tsai, Y. W., & Huang, W. F. (2012). Effects of thiazolidinediones on cardiovascular events in patients with type 2 diabetes mellitus after drug-eluting stent implantation: a retrospective cohort study using the national health

- insurance database in Taiwan. *Clin Ther*, 34(4), 885-893.
doi:10.1016/j.clinthera.2012.02.024
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doi:10.3111/13696998.2011.653510
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doi:10.1177/1090198111413126
 42. Chien, C. R., Pan, I. W., Tsai, Y. W., Tsai, T., Liang, J. A., Buchholz, T. A., & Shih, Y. C. (2012). Radiation therapy after breast-conserving surgery: does hospital surgical volume matter? A population-based study in Taiwan. *Int J Radiat Oncol Biol Phys*, 82(1), 43-50.
doi:10.1016/j.ijrobp.2010.09.025
 43. Chang, J. S., Tsai, Y. W., Tsai, C. R., & Wiemels, J. L. (2012). Allergy and risk of childhood acute lymphoblastic leukemia: a population-based and record-based study. *Am J Epidemiol*, 176(11), 970-978. doi:10.1093/aje/kws263
 44. Chang, J. S., Tsai, C. R., Tsai, Y. W., & Wiemels, J. L. (2012). Medically diagnosed infections and risk of childhood leukaemia: a population-based case-control study. *Int J Epidemiol*, 41(4), 1050-1059. doi:10.1093/ije/dys113
 45. Wen, Y. W., Tsai, Y. W., Huang, W. F., Hsiao, F. Y., & Chen, P. F. (2011). The potentially inappropriate prescription of new drug: thiazolidinediones for patients with type II diabetes in Taiwan. *Pharmacoepidemiol Drug Saf*, 20(1), 20-29. doi:10.1002/pds.2010
 46. Wen, Y. W., Huang, W. F., Lee, Y. C., Kuo, K. N., Tsai, C. R., & Tsai, Y. W. (2011). Diffusion patterns of new anti-diabetic drugs into hospitals in Taiwan: the case of thiazolidinediones for diabetes. *BMC Health Serv Res*, 11, 21. doi:10.1186/1472-6963-11-21
 47. Tsai, Y. W., Wen, Y. W., Huang, W. F., Chen, P. F., Kuo, K. N., & Hsiao, F. Y. (2011). Cardiovascular and gastrointestinal events of three antiplatelet therapies: clopidogrel, clopidogrel plus proton-pump inhibitors, and aspirin plus proton-pump inhibitors in patients with previous gastrointestinal bleeding. *J Gastroenterol*, 46(1), 39-45.
doi:10.1007/s00535-010-0299-0
 48. Tsai, T. I., Lee, S. Y., Tsai, Y. W., & Kuo, K. N. (2011). Methodology and validation of health literacy scale development in Taiwan. *J Health Commun*, 16(1), 50-61.
doi:10.1080/10810730.2010.529488
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 50. Hsiao, F. Y., Tsai, Y. W., Wen, Y. W., Kuo, K. N., Tsai, C. R., & Huang, W. F. (2011). Effect of *Helicobacter pylori* eradication therapy on risk of hospitalization for a major ulcer event. *Pharmacotherapy*, 31(3), 239-247. doi:10.1592/phco.31.3.239
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- retrospective study of physician-patient pairs in Taiwan. *Clin Ther*, 31(11), 2618-2627. doi:10.1016/j.clinthera.2009.11.022
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b. Book chapter

1. Tsai, Yi-Wen, & Shiu, Ming-Neng. (2020). Pharmaceutical Price Control Under National Health Insurance in Taiwan. In Tung-Liang Chiang & Shou-Hsia Cheng (Eds.), *Health Care Policy in East Asia: A World Scientific Reference* (pp. 181-196).

c. Non-SCI paper

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