



Likwang Chen, PhD

Investigator

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Education

- 1990
B.S. in Business Administration,
National Taiwan University, Taiwan
- 1996
M.S. in Consumer Economics,
Cornell University, U.S.A.
- 1998
Ph.D. in Consumer Economics,
Cornell University, U.S.A.

Professional Experiences

- 2019/07-present
Institute of Population Health Sciences, National Health Research
Institutes, Taiwan
Investigator
- 2008/06-2019/06
Institute of Population Health Sciences, National Health Research
Institutes, Taiwan
Associate Investigator
- 2005/06-2008/08
Division of Health Policy Research, National Health Research
Institutes, Taiwan
Associate Investigator
- 1999/10-2005/05
Division of Health Policy Research, National Health Research
Institutes, National Health Research Institutes, Taiwan
Assistant Investigator
- 1998/08-1999/06
Population and Development Program, Department of Rural
Sociology, Cornell University, U.S.A.
Research Associate

Research Interests

Health system performance evaluation, health equality, cost-effectiveness, justice in health, clinical epidemiology, and big data analysis

Research Activities & Accomplishment

Dr. Chen was trained in the fields of consumer economics, family economics, health economics, and policy analysis. She explores issues related to child health and welfare, and has been conducting a series of studies investigating pregnant women’s healthcare use and other health behaviors, children’s health and healthcare use, and inequalities in these areas. She has also built another line of research concerning health system

performance, and concentrates on three tasks. The first is to use quantitative methods to transform Taiwan's national health insurance (NHI) data and other health-related data into information useful for improving efficiency and distributive justice in health. The second is to examine Taiwanese preferences with respect to distributive justice in the health system using both informant interviews and public surveys, and using both quantitative and qualitative analytical methods. The third is to explore procedural justice in the NHI and investigate Taiwanese perspectives on this issue.

Selected Publications

Wu VC, Chang CH, Wang CY, Lin YH, Kao ZW, Lin PC, Chu TS, Chang YS, **Chen L***, Wu KD, Chueh SC*. "Risk of Fracture in Primary Aldosteronism: A population-based Cohort study." *Journal of Bone and Mineral Research*. Forthcoming. (* Co-corresponding authors)

Wang CH, Huang LC, Yang CC, Chen CL, Chou YJ, Chen YY, Yang WC, **Chen L***. "Short- and long-term use of medication for psychological distress after the diagnosis of cancer." *Supportive Care in Cancer*. 2016 Oct 26; in press. (* Corresponding author)

Wu VC, Wang SM, Chang CH, Hu YH, Lin LY, Lin YH, Chueh SC, **Chen L***, Wu KD*. "Long term outcome of Aldosteronism after target treatments." *Scientific Reports*. 2016 Sep 2;6:32103. (* Co-corresponding authors)

Wang CY, Wang JY, Teng NC, Chao TT, Tsai SL, Chen CL, Hsu JY, Wu CP, Lai CC*, **Chen L***. "The secular trends in the incidence rate and outcomes of out-of-hospital cardiac arrest in Taiwan--a nationwide population-based study." *PLoS One*. 2015 Apr 15;10(4):e0122675. (* Co-corresponding authors)

Wu VC, Hu YH, Wu CH, Kao CC, Wang CY, Yang WS, Lee HH, Chang YS, Lin YH, Wang SM*, **Chen L***, Wu KD; TAIPAI Study Group. "Administrative data on diagnosis and mineralocorticoid receptor antagonist prescription identified patients with primary aldosteronism in Taiwan." *Journal of Clinical Epidemiology*. 2014 Oct;67(10):1139-49. (* Co-corresponding authors)

Wu VC, Wu CH, Huang TM, Wang CY, Lai CF, Shiao CC, Chang CH, Lin SL, Chen YY, Chen YM, Chu TS, Chiang WC, Wu KD, Tsai PR, **Chen L***, Ko WJ*; NSARF Group. "Long-term risk of coronary events after AKI." *Journal of the American Society of Nephrology*. 2014 Mar;25(3):595-605. (* Co-corresponding authors)

Chao CT, Hou CC, Wu VC, Lu HM, Wang CY, **Chen L***, Kao TW*. "The impact of dialysis-requiring acute kidney injury on long-term prognosis of patients requiring prolonged mechanical ventilation: nationwide population-based study." *PLoS One*. 2012;7(12):e50675. (* Co-corresponding authors)

Lu HM, **Chen L***, Wang JD, Hung MC, Lin MS, Yan YH, Chen CR, Fan PS, Huang LC, Kuo KN. "Outcomes of prolonged mechanic ventilation: a discrimination model based on longitudinal health insurance and death certificate data." BMC Health Services Research. 2012 Apr 25;12:100. (* Corresponding author)

Chen L*, Lu HM, Shih SF, Kuo KN, Chen CL, Huang LC. "Poverty related risk for potentially preventable hospitalisations among children in Taiwan." BMC Health Services Research. 2010 Jul 7;10:196. (* Corresponding author)

Chen L*, Wahlqvist ML, Teng NC, Lu HM. "Imputed food insecurity as a predictor of disease and mental health in Taiwanese elementary school children." Asia Pacific Journal of Clinical Nutrition. 2009;18(4):605-19. (* Corresponding author)

Chen CL, **Chen L***, Yang WC. "The influences of Taiwan's generic grouping price policy on drug prices and expenditures: evidence from analysing the consumption of the three most-used classes of cardiovascular drugs." BMC Public Health. 2008 Apr 12;8:118. (* Corresponding author)

Chen L*, Chen CL, Yang WC. "The influences of Taiwan's National Health Insurance on women's choice of prenatal care facility: Investigation of differences between rural and non-rural areas." BMC Health Services Research. 2008 Mar 29;8:67. (* Corresponding author)

Shih SF, **Chen L***, Wen CP, Yang WC, Shih YT. "An investigation of the smoking behaviours of parents before, during and after the birth of their children in Taiwan." BMC Public Health. 2008 Feb 20;8:67. (* Corresponding author)

Chen L, Yip W, Chang MC, Lin HS, Lee SD, Chiu YL, Lin YH. "The effects of Taiwan's National Health Insurance on access and health status of the elderly." Health Economics. 2007 Mar;16(3):223-42.

Chen L*, Yang WS, Lee SD, Chang HC, Yeh CL. "Utilization of well-baby care visits provided by Taiwan's National Health Insurance Program." Social Science and Medicine. 2004 Oct;59(8):1647-59. (* Corresponding author)

Patent