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## Education

- 1987  
M.P. H. in Health Policy and Management,  
Columbia University, U.S.A.
- 2007  
Ph.D. in Public Health,  
National Yang-Ming University, Taiwan

## Professional Experiences

- 2016-present  
Institute of Population Health Sciences, National Health Research Institutes, Taiwan  
Associate Investigator
- 2008-2016  
Institute of Population Health Sciences, National Health Research Institutes, Taiwan  
Assistant Investigator
- 2001-2008  
Center for Health Policy Research and Development, National Health Research Institutes, Taiwan  
Senior Management Scientist
- 1997-2001  
Department of Research Resources Division of Planning and Development, National Health Research Institutes, Taiwan  
Division Head/Specialist
- 1991-1997  
Department of Child and Adolescent Psychiatry, New York State Psychiatric Institute, Columbia-Presbyterian Medical Center, U.S.A.  
Research Scientist III
- 1987-1991  
Management Systems and Audit, Columbia Presbyterian Hospital in the City of New York, U.S.A.  
Management Engineer

## Research Interests

Public Health Informatics, Geographic Information System, Health Risk Analysis

## Research Activities & Accomplishment

Over 40 papers (since 2009) and 4 book chapters in health inequality, GIS technology, and special epidemiology.

National Health Research Institutes-Institutional Repository:  
<http://211.76.174.198/handle/3990099045/3673>

## Selected Publications

- Lin RT\*, Christiani DC, Kawachi I, Chan TC, **Chiang PH**], Chan CC. Increased risk of respiratory mortality associated with the high-tech manufacturing industry: a 26-year study. *International Journal of Environmental Research and Public Health*, June 3, **2016**, 13(6), 557; doi:10.3390/ijerph13060557. [SCI]
- Lo FE\*, Lu PJ, Tsai MK, Lee JH, Wen C, Wen CP\*\*, Wai JPM, Tsao CK, **Chiang PH**, Lyu SY, Ma KL, Chi YC, Li CS, Liu CC, Wu XF. The role of physical activity in harm reduction among betel quid chewers from a prospective cohort of 419,378 individuals. *PLoS One*, Apr 4, **2016**;11(4): e0152246. [SCI]
- Chan TC, Wang HW, Tseng TJ, **Chiang PH\***. Spatial clustering and local risk factors of chronic obstructive pulmonary disease (COPD). *International Journal of Environmental Research and Public Health*. **2015** Dec 10;12(12):15716-15727. [SCI]
- Tsou HC, Yeh HL, **Chiang PH\***. Spatial trend analysis of dengue fever outbreak *The Journal of Taiwan Association for Medical Informatics*. **2015** Dec 24(4): 39-48.
- Chiang PH**, Hsu SJ, Hsu SW\*. Trends in the use of Psychotropic Drugs among Children and Adolescents with Intellectual Disability in Taiwan, *Journal of Disability Research (Taiwan)*. December, **2015**, 13(4): 284-29. (others, in Chinese)
- Chiang PH**, Yang TY, Hsu SW\*. Trends in Ambulatory Care Visits and Expenditures among Persons with Down Syndrome in Taiwan, *Journal of Disability Research (Taiwan)*, December, **2015**, 13(4): 268-283. (others, in Chinese).
- Chiang PH**, Tung HJ, Chang YC, Hsu SW\*. Trends in the Use of Psychotropic Drugs in Elderly People with Intellectual Disability in Taiwan. *Taiwan Journal of Gerontological Health Research (TJGHR)*. December **2014**, 10(2):127-139. (others, in Chinese)
- Chan TC, Fan IC, Liu MSY, Su MD, **Chiang PH\***. Addressing Health Disparities in Chronic Kidney Disease. *International Journal of Environmental Research and Public Health*. 11(12), 12848-12865; doi:10.3390/ijerph111212848. December **2014**. [SCI]
- Chen JH, Wen CP\*, Wu SB, Lan JL, Tsai MK, Tai YP, Lee JH, Hsu CC, Ysao, CK, Wai JPM, **Chiang PH**, Pan WH, Hsiung CA. Attenuating the mortality risk of high serum uric acid: the role of physical activity underused. *Annals of the Rheumatic Diseases*. doi:10.1136/annrheumdis-2014-205312. July **2014**. [SCI]
- Chiang PH**, Chen CW\*, Hsieh DPH, Chan TC, Chiang HC, Wen CP. Lung cancer risk in females due to exposures to PM<sub>2.5</sub> in Taiwan. *The Open Epidemiology Journal*, June **2014**, 7, 6-16. Invited Article.
- Tsou HC, Chuang YC, Wu LY, Yeh HL, **Chiang PH\***. Choosing optimal locations

of Automatic External Defibrillators by using GIS spatial analysis – a case study of Taipei City Wanhua District. *The Journal of Taiwan Association for Medical Informatics*. June **2014**, Vol. 23 (2):01-18. (others, in Chinese)

Chan TC, **Chiang PH**, Su MD, Wang HW, Liu MSY\*. Geographic Disparity in Chronic Obstructive Pulmonary Disease (COPD) Mortality Rates among the Taiwan Population. *PLoS One*. May **2014**. 9(5): e98170. doi:10.1371/journal.pone.0098170. [SCI]

Chang YC, Lin JD, Tung HJ, **Chiang PH**, Hsu SW\*. Outpatient physical therapy utilization for children and adolescents with intellectual disabilities in Taiwan: A population-based nationwide study. *Research in Developmental Disabilities*. February **2014**, 35(2): 498–505. [SSCI]

Hsu SW\*, **Chiang PH**, Chang YC, Lin JD, Tung HJ, Chen CY. Trends in the use of psychotropic drugs in people with intellectual disability in Taiwan: A nationwide outpatient service study, 1997–2007. *Research in Developmental Disabilities*. February **2014**, 35(2): 364-372. [SSCI]

Chan TC, Hwang JS, Chen RH, King CC, **Chiang PH**\*. Spatio-Temporal Analysis on Enterovirus Cases through Integrated Surveillance in Taiwan. *BMC Public Health*. January **2014**, 14:11. doi:10.1186/1471-2458-14-11 [SCI]

Wahlqvist ML\*, Huang LY, Lee MS, **Chiang PH**, Chang YH, Tsao AP. Dietary quality of elders and children is interdependent in Taiwanese Communities: a NAHSIT mapping study, *Ecology of Food and Nutrition*. January **2014**; 53:1-17 [SCI]

**Chiang PH**, Wahlqvist ML\*, Huang LY, Chang YC. Leisure Time Physical Activities and Dietary Quality of the General Taiwanese and Indigenous Populations are associated with Fat Distribution and Sarcopenia. *Asia Pacific Journal of Clinical Nutrition*. December **2013**; 22(4): 599-613. [SCI]

Musa G, **Chiang PH**\*, Sylk T, Bavely R, Tsou HC, Keating W, Hoven C. Use of GIS Mapping as a Public Health Tool – From Cholera to Cancer. *Health Services Insights*, November **2013**:6 111-116. Invited Review Article. [Index in EBSCO & ProQuest]

**Chiang PH**, Huang LY, Lo YT, Lee MS, Wahlqvist ML\*, Bidirectionality and gender differences in emotional disturbance associations with obesity among Taiwanese schoolchildren, *Research in Developmental Disabilities*. October, **2013**, 34(10): 3504-3516. [SSCI]

Yeh HL, Tsou HC, Chiang HC, **Chiang PH**\*, Liou DM. The use of heat map with hierarchical clustering in mortality risk to identify “hot-spots” risk factors in polluted industrial areas. *The Journal of Taiwan Association of Medical Informatics*. June **2013**, 22(2): 1-14. (others, in Chinese)

**Chiang PH**, Lin JD, Chang YC, Tung HJ, Hsu SW\*. Healthcare utilization and expenditure analysis between individuals with intellectual disabilities

and the general population in Taiwan: A population-based nationwide child and adolescent study. *Research in Developmental Disabilities*. September, **2013**, 34 (9) 2485–2492. [SSCI]

Zhang GZ, Chang YC, **Chiang PH**, Hsu SW\*. The exploration of psycholeptics using in intellectual disability, *Journal of Disability Research (Taiwan)*, June, **2013**, 11(2): 85-100. (others, in Chinese)

Hsu SW, Chang YC, **Chiang PH**, Lu IL\*, Hospital Utilization by People with Intellectual Disability: Evidence from National Health Insurance Inpatient Expenditures Claims Database, *Journal of Disability Research (Taiwan)*, April, **2013**, 11(1): 1-15. (others, in Chinese)

Chang YC\*, Tung HJ, Hsu SW, **Chiang PH**, Comparison of influenza vaccination rates between the general elderly and the elderly with intellectual disability in Taiwan, *Journal of Disability Research (Taiwan)*, December, **2012**, 10(4): 176-289 (others, in Chinese)

Hsu WL, **Chiang PH**, Hsu SW\*, Evaluation of Medical Utilization and Determining Factors of Esophageal Diseases among Patients with Intellectual Disability, *Journal of Disability Research (Taiwan)*, March, **2012**, 10(1): 40-51. (others, in Chinese)

Hsu SW\*, Lin JD, **Chiang PH**, Chang YC, Tung HJ, Comparison of outpatient services between elderly people with intellectual disabilities and the general elderly population in Taiwan. *Research in Developmental Disabilities*, September, **2012**, 33(5): 1429–1436. [SSCI]

Hsu SW, **Chiang PH**, Lin LP, Lin JD\*. Disparity in autism spectrum disorders prevalence among Taiwan National Health Insurance enrollees: Age, gender and urbanization effects. *Research in Autism Spectrum Disorders*. April, **2012**; 6(2): 836-841. [SSCI]

Patent