



Yi-Chen Chiu

Professor

EDUCATION

PhD University of Michigan, Ann Arbor, Michigan USA (2002)
MS University of North Carolina at Chapel Hill (1997)
BS National Yang-Ming University (1990)

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RESEARCH DIRECTIONS

Gerontological care ∙ Long-term care ∙
Cognitive impairment ∙ Environment and community ∙
Behavioral problems in dementia care

TEACHING SUBJECTS

Introduction to Nursing ∙ Gerontological Sociology ∙
Long-term Care ∙ Community Health Nursing ∙
Community Health Nursing Practice ∙ Introduction to
Nursing Research ∙ Healthy Aging and Long-term Care
Nursing ∙ Healthy Aging and Long-term Care Nursing
Practice ∙ Nursing Research

RESEARCH

- Online theoretical based case management intervention for family caregivers of persons with cognitive impairment-phase II and phase III (NSTC112-2314-B-182-058 – MY2, NMRPD1M0451, NMRPD1M0452 2023-2025)
- Online theoretical based case management intervention for family caregivers of persons with cognitive impairment (MOST111-2314-B-182-014, NMRPD1M0101, 2022-2023)
- Perceived neighborhood cohesion and application of wearable devise in multi-dimensional health life style intervention on cognitive function the second year. (MOST111-2314-B-182-035, NMRPD1L10561, 2021-2022)
- Perceived neighborhood cohesion and application of wearable devise in multi-dimensional health life style intervention on cognitive function (MOST109-2314-B-182-058, NRPD1K10821, 2020-2021)
- Social cognition, nutrition, and cognitive function in middle life: a longitudinal study. (MOST107-2314-B-182-076, NMRPD3H1301, 2017-2018)

- Evidence-based tailored group leisure activity program for mild cognitive impairment persons focusing on specialized professional caregiver training (Ministry of Health and Welfare ,2017-2018)
- Theoretical based case management intervention for dementia family caregivers-2 (CMRP1F0052, 2017)
- Theoretical based case management intervention for dementia family caregivers-1 (CMRP1F0051, 2016)
- A study of a memory intervention to improve medicine adherence in patients with mild cognitive impairments and family caregiver medication administration (MOST104-2314-B182-005, NMRPD1E0811, 2015-2016)
- The effectiveness study of a memory intervention to improve medication adherence in patients with mild cognitive impairments (NSC102-2314-B182-050-MY2 NMRPD1C0811, NMRPD1C0812)
- Prospective memory and related factors and its long-term change in people with mild cognitive impairment and mild dementia, (Ministry of Education in Taiwan World Class Universities and Research Centers of Excellence funding to Chang Gung University, Healthy Aging Research Center). (HARC, 2012-2015)
- A family-centered case management intervention for persons with early to moderate dement and their family caregivers: a randomized clinical trail. (NSC101-2314-B-182-079, NMRPD1B1141,2012-2013)
- Theoretical based discharge planning for patients with cognitive impairment in an acute hospital. (CMRPD1A0041, CMRPD1A0042 2011-2013)
- Impaired awareness and related factors in persons with mild cognitive impairment and mild Alzheimer's disease. (NSC, NSC98-2314-B-182-057-MY2, NMRPD180801, NMRPD180802 2009-2011)
- Activity intervention in early to moderate demented people: a Taiwanese study. (NSC97-2314-B182-026, NMRPD170831, 2008-2010)
- Wandering behavior in dementia and family caregiver distress: a Taiwanese study. (International Collaboration with Professor Donna Algase, University of Michigan, Ann Arbor, MI, USA) (NSC95-2314-B182-063-MY2, NMRPD15114, NMRPD151142, 2006-2008)
- Leisure activities in family caregivers of dementia sufferers and their well-being: A Taiwanese Study. (CMRPD1D140281, 2006-2007)
- Attentional fatigue and depressive symptoms in family caregivers of dementia: a Taiwanese study (NSC93-2314-B-182-063, NMRPD3095, 2004-2006)

- Quality of life in dementia and related factors in early Alzheimer's disease patients and their family caregivers: a Taiwanese study. (CMRPD32053, 2004-2005)
- Attentional impairments, attentional demands and getting lost behavior in early Alzheimer's disease: a Taiwan study. (NSC92-2314-B-182-091 NMRPD2114, 2003-2004)

PUBLICATIONS

1. Tai, L. A., Tsai, L. Y., Lin, C. H., **Chiu, Y. C***. (2023). Depressive symptoms and daily living dependence in older adults with type 2 diabetes mellitus: the mediating role of positive and negative perceived stress. *BMC Psychiatry*, 24(1), 1-9.
2. Bai, Y. L., Shyu, Y. I. L., Huang, H. L., **Chiu, Y. C.**, & Hsu, W. C. (2023) The enrichment process for family caregivers of persons living with dementia: A grounded theory approach. *Journal of Advanced Nursing*, 80(1), 252-263.
3. Tai, L. A., Tsai, L. Y., & **Chiu, Y. C***. (2023). Relation of environmental factors with activity limitations and participation restrictions in older adults with diabetes mellitus over time: An international classification of functioning framework perspective. *BMC geriatrics*, 23(1), 335.
4. Wu, P. Y., Peng, L. M., Tai, C. M., Wei, P. M., Huang, H. L., Hsu, W. C., Lee, S. H., Chiu, Y. C.* (2022). Effects of multicomponent case management on the problem behaviors of patients with dementia and family caregivers' distress, Self-Efficacy, Depression, Burden and Health Promotion Behaviors. *The Journal of Nursing*. 69(5), 68-85.
5. Chiu, S. F., Wu, Y. R., Tsay, P. K., & **Chiu, Y. C***. (2022). The mediating effect of spiritual well-being and quality of life for persons with Parkinson's Disease in Northern Taiwan. *Journal of Parkinson's Disease*, 12(1), 173-184.
6. Liu, H. Y., Huang, H. L., **Chiu, Y. C.**, Tang, L. Y., Hsu, J. L., Wu, S. M., ... & Shyu, Y. I. L. (2022). Perceptions of community dementia friendliness: A cross-sectional study of people with dementia, family caregivers, service providers, and the general public in Taiwan. *Health & Social Care in the Community*, 30(4), 1578-1588.
7. Huang, C. H., Shyu, Y. I. L., **Chiu, Y. C.**, Chen, M. C. (2020). Influencing factors and longitudinal changes in caregiving rewards for family caregivers of older persons with mild and moderate dementia. *Chang Gung Nursing*, 31(4), 449-464.
8. **Chiu, Y. C.***, Liao, H. C., Li, C. L., Lin, C. H., Hsu, J. L., Lin, C. Y., & Hsu, W. C. (2020). The mediating effects of leisure engagement on relationships between caregiving stress and subjective wellbeing among family caregivers of persons with cognitive impairment: A cross-sectional study. *Geriatric Nursing*, 41(2), 124-131.
9. Wu, S. M., Huang, H. L., **Chiu, Y. C.**, Tang, L. Y., Yang, P. S., Hsu, J. L., ... & Shyu, Y. I. L. (2019). Dementia-friendly community indicators from the perspectives of people living with dementia and dementia-family caregivers. *Journal of Advanced Nursing*, 75(11), 2878-2889.
10. Chen, M. C., Huang, H. L., **Chiu, Y. C.**, Yip, P. K., Wu, S. M., Hsu, W. C., ... & Shyu, Y. I. L. (2020). Experiences of living in the community for older aboriginal persons with dementia symptoms in Taiwan. *The Gerontologist*, 60(3), 525-534.
11. Lai, Y. C., **Chiu, Y. C.***, Wei, P. M., Hsu, W. C. (2018). Nursing experience of a mild cognitive impairment patient with multiple chronic diseases. *Chang Gung Nursing*, 29(1), 142-151

12. **Chiu, Y. C.***, Tsai, Y. Y., Li, C. L., Liu, Y. C. (2017). Correlations between oral health and problematic behavior of nursing home demented residents in Southern Taiwan. *The Journal of Long-term Care*, 21(3), 303-317.
13. Peng, L. M., **Chiu, Y. C.***, Liang, J., & Chang, T. H. (2018). Risky wandering behaviors of persons with dementia predict family caregivers' health outcomes. *Aging & Mental Health*, 22(12), 1650-1657.
14. Wang, C. L., Kuo, L. M., **Chiu, Y. C.**, Huang, H. L., Huang, H. L., Hsu, W. C., ... & Shyu, Y. I. L. (2018). Protective preparation: a process central to family caregivers of persons with mild cognitive impairment. *International Psychogeriatrics*, 30(3), 375-384.
15. Chen, M. C., **Chiu, Y.C.***, Wei, P. M., Hsu, W. C. (2017). Reducing the care-related burden of a family caregiver of a person with mild cognitive impairment: A home-base case management program. *The Journal of Nursing*, 64(3), 105-111.
16. Wang, Y. N., Hsu, W. C., Yang, P. S., Yao, G., **Chiu, Y. C.**, Chen, S. T., ... & Shyu, Y. I. L. (2018). Caregiving demands, job demands, and health outcomes for employed family caregivers of older adults with dementia: Structural equation modeling. *Geriatric Nursing*, 39(6), 676-682.
17. Li, C. L., **Chiu, Y. C.**, Bai, Y. B., Lin, J. D., Stanaway, F., & Chang, H. Y. (2017). The co-occurrence of depressive symptoms and cognitive impairment and its relationship with self-care behaviors among community dwelling older adults with diabetes. *Diabetes Research and Clinical Practice*, 129, 73-78.
18. Tsai, Y. Y., Liu, Y. C., Li, C. L., Yang, Y. Y., **Chiu, Y. C***. (2015). Validation of the Chinese version in oral health assessment tool (OHAT) for clinical non-dentist professionals. *Chang Gung Nursing*, 26(4), 400-409.
19. **Chiu, Y. C.***, Liao, H. C., Peng, L. M., Huang, H. L., Lin, C. R. (2015). The nursing experience of the family caregiver of a dementia patient-providing theory guided tailored care. *Chang Gung Nursing*, 26(4), 503-512.
20. Huang, H. L., Weng, L. C., Tsai, Y. H., **Chiu, Y. C. Y.**, Chen, K. H., Huang, C. C., ... & Wang, W. S. (2015). Predictors of self-and caregiver-rated quality of life for people with dementia living in the community and in nursing homes in Northern Taiwan. *International Psychogeriatrics*, 27(5), 825-836.
21. **Chiu, Y. C.***, Kolanowski, A. M., Huang, C. Y., Lin, L. J., Chang, T. H., Hsu, K. H., ... & Chen, Y. J. (2014). Leisure-time physical activity and neuropsychiatric symptoms of community-dwelling persons with cognitive impairment. *Geriatric Nursing*, 35(5), 345-350.
22. Cheng, S. Y., Chiu, Y. C., & Xie, C. X. (2013). A mathematic training system APP for Alzheimer's sufferers. *The Journal of Taiwan Association for Medical Informatics*, 22(4), 15-26.
23. **Chiu, Y. C.***, Lee, Y. N., Wang, P. C., Chang, T. H., Li, C. L., Hsu, W. C., & Lee, S. H. (2014). Family caregivers' sleep disturbance and its associations with multilevel stressors when caring for patients with dementia. *Aging & mental health*, 18(1), 92-101.

24. Huang, H. L., Kuo, L. M., Chen, Y. S., Liang, J., Huang, H. L., **Chiu, Y. C.**, ... & Shyu, Y. I. L. (2013). A home-based training program improves caregivers' skills and dementia patients' aggressive behaviors: A randomized controlled trial. *The American journal of geriatric psychiatry*, 21(11), 1060-1070.
25. Chang, T. C., Shyu, Y. I. L., Chen, M. C., Chen, **Chiu, Y. C.**, Huang, H. L. (2012). Predictors of Competence in Family Caregivers of Dementia Patients. *The Journal of Nursing*, 59(6), 25-35.
26. **Chiu, Y. C.***, Huang, C. Y., Kolanowski, A. M., Huang, H. L., Lee, S. H., Lin, C. R., & Hsu, W. C. (2013). The effects of participation in leisure activities on neuropsychiatric symptoms of persons with cognitive impairment: A cross-sectional study. *International Journal of Nursing Studies*, 50(10), 1314-1325.
27. Li, C. L., **Chiu, Y. C.**, Chang, H. Y., Hsu, K. H., Bai, Y. B., & Wang, H. H. (2013). Association of geriatric conditions and cardiovascular diseases with disability in older adults with diabetes: Findings from a nationally representative survey. *Geriatrics & Gerontology International*, 13(3), 563-570.
28. Kuo, L. M., Huang, H. L., Huang, H. L., Liang, J., **Chiu, Y. C.**, Chen, S. T., ... & Shyu, Y. I. L. (2013). A home-based training program improves Taiwanese family caregivers' quality of life and decreases their risk for depression: A randomized controlled trial. *International Journal of Geriatric Psychiatry*, 28(5), 504-513.
29. Chen, L. J., **Chiu, Y. C.**, Huang, W. N., Tseng, M. Y. (2012). Development and effectiveness evaluation of community integrated care management model: taking the elderly with mild and moderate disabilities as an example. *Humanities and social sciences newsletter quarterly*. 13(2), 116-123.
30. Huang, C. Y., Hsu, W.C., Li, C. L., Chiu, Y. C.,* (2011). A Review of physical interventions for patients with dementia. *The Journal of Long-Term Care*, 15(2), 157-167.
31. Cheng, K. C., Chiu, Y. C., Li, C. L., Liao, S. K., Lee, S. H. (2011). Relationships Between stress perception and stress biomarkers in family caregivers. *The Journal of Nursing*, 58(3),43-52.
32. Huang, H. L., Chiu, Y. C., Weng, L. C., Chang, M. (2011). Issues related to quality of life measures for persons with dementia. *The Journal of Nursing*, 58(2), 63-67.
33. **Chiu, Y. C.***, Hsu, W. C., & Algase, D. L. (2011). Validation of the Chinese revised Algase wandering scale-community version for persons with dementia in Northern Taiwan. *Aging & Mental Health*, 15(2), 243-251.
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38. **Chiu, Y. C.***, Shyu, Y., Liang, J., & Huang, H. L. (2008). Measure of quality of life for Taiwanese persons with early to moderate dementia and related factors. *International Journal of Geriatric Psychiatry: A Journal of the Psychiatry of Late Life and Allied Sciences*, 23(6), 580-585.
39. Hsu, W. C., **Chiu, Y. C.**, Tang, L.Y., Lee, S. H., Chen, S. T. (2007). Dementia in the elderly at an acute hospitalization setting: a case control study in Taiwan. *International Psychogeriatrics*, 19(S1), 236-237.
40. **Chiu, Y. C.***, Li, C. L., Lin, K. N., Chiu, Y. F., & Liu, H. C. (2008). Sensitivity and specificity of the clock drawing test, incorporating rouleau scoring system, As a screening instrument for questionable and mild dementia: Scale development. *International Journal of Nursing Studies*, 45(1), 75-84.
41. **Chiu, Y. C.***, Algase, D., Liang, J., Liu, H. C., & Lin, K. N. (2005). Conceptualization and measurement of getting lost behavior in persons with early dementia. *International Journal of Geriatric Psychiatry*, 20(8), 760-768.
42. Switzer, B. R., Atwood, J. R., Stark, A. H., Hatch, J. W., Travis, R., Ullrich, F., ... **Chiu Y. C.**, Smith, J. L. (2005). Plasma carotenoid and vitamins A and E concentrations in older African American women after wheat bran supplementation: Effects of age, body mass and smoking history. *Journal of the American College of Nutrition*, 24(3), 217-226.
43. **Chiu, Y. C.***, Algase, D., Whall, A., Liang, J., Liu, H. C., Lin, K. N., & Wang, P. N. (2004). Getting lost: Directed attention and executive functions in early Alzheimer's Disease patients. *Dementia and Geriatric Cognitive Disorders*, 17(3), 174-180.
44. **Chiu, Y. C.***, Ho, Y. T., Chen, W. L., Shyu, Y. I. (2004). Introduction to Alzheimer's Disease and Care. *The Journal of Long-Term Care*, 7(4), 289-304.
45. **Chiu. Y. C.***, Huang, S. H., Shyu, Y. I. (2004). Family caregivers' fatigue, burden and depression in Alzheimer's patients. *The Journal of Long-Term Care*, 7(4), 338-351.
46. Lin, K. N., Wang, P. N., Chen, C., **Chiu, Y. H.**, Kuo, C. C., Chuang, Y. Y., & Liu, H. C. (2003). The three-item clock-drawing test: a simplified screening test for Alzheimer's disease. *European Neurology*, 49(1), 53-58.