



# Chi-Wen Chang

Assistant Professor

## EDUCATIONAL DEGREES

PhD National Yang-Ming University

MS Graduate Institute of Nursing,  
National Defense Medical Center

BS School of Nursing, Chung Shan  
Medical & Dental College,

## CONTACT INFORMATION

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## RESEARCH FIELDS

Type 1 Diabetes 、 Prematurity 、 Parenting  
experience 、 Systematic Reviews

## TEACHING FIELDS

Human Development ; Human Development  
Practice ; Pediatric Nursing ; Pediatric Nursing  
Practice ; Evidence Based Nursing ; Nursing  
Process

## RESEARCH PROGRAMS

- Research Series on Health Care Need for Caregiver of Children with Type 1 Diabetes (PI, CMRP 2019-2021)
- The Inference of Environmental Related factors on Type1 Diabetes: A Case Control Study (PI, CMRP 2018-2019)
- The Influence of Parenting Style on Metabolic Control and Quality of life in School-Age Children with Newly Diagnosed Type 1 Diabetes: A longitudinal study (PI, MOST 2015-2017)
- The Influence of Parenting Style on Metabolic Control, Adherence, and Quality of life in School-Age Children with Type 1 Diabetes (PI, MOST 2014-2015)

## PUBLICATIONS

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1. Chiang, Y. T., Chang, C. W., Yu, H. Y., Tsay, P. K., Lo, F. S., Chen, C. W., Lin, W. Y., Hsu, C. L., An, C., & Moons, P. (2022). Developing the "Healthcare CEO App" for patients with type 1 diabetes transitioning from adolescence to young adulthood: A mixed-methods study. *Nursing open*, 10.1002/nop2.1432. Advance online publication. <https://doi.org/10.1002/nop2.1432>
2. Cho, Y. H., Chiang, Y. C., Chu, T. L., Chang, C. W., Chang, C. C., & Tsai, H. M. (2022). The Effectiveness of the Buzzy Device for Pain Relief in Children During Intravenous Injection: Quasirandomized Study. *JMIR pediatrics and parenting*, 5(2), e15757. <https://doi.org/10.2196/15757>
3. Cheng, C. S., Huang, Y. J., Sun, C. A., An, C., Chang, Y. T\* †., Chu, C. M\* † ., & Chang, C. W † . (2022). Gender-Specific Determinants of eHealth Literacy: Results from an Adolescent Internet Behavior Survey in Taiwan. *International journal of environmental research and public health*, 19(2), 664. <https://doi.org/10.3390/ijerph19020664>
4. Tsai, W. H., Wu, Y. S., Cheng, C. S., Kuo, M. H., Chang, Y. T., Hu, F. K., Sun, C. A\*., Chang, C. W\*., Chan, T. C\*., Chen, C. W\*., Lee, C. C\*., & Chu, C. M\*. (2021). A Technology Acceptance Model for Deploying Masks to Combat the COVID-19 Pandemic in Taiwan (My Health Bank): Web-Based Cross-sectional Survey Study. *Journal of medical Internet research*, 23(4), e27069. <https://doi.org/10.2196/27069>
5. Yu, H. Y., Chang, C. W., Yang, M. L., Shen, Y. C., Chiang, Y. T., Chien, C. H. (2021). Quality of Life and measures in Children with intermittent exotropia: A systematic review and meta-analysis. *The Journal of Taiwan Association for Medical Informatics*. 30(2), 41-58.
6. Chiang, Y. T., Tsay, P. K., Chen, C. W., Hsu, C. L., Yu, H. Y., Chang, C. W., Lo, F. S., & Moons, P. (2021). A Delphi study on the healthcare needs of patients with type 1 diabetes during the transition from adolescence to adulthood: Consensus among patients, primary caregivers, and healthcare providers. *International Journal of Environmental Research and Public Health*, 18(13), 7149.
7. Wu, C. Y., Lee, H. F., Chang, C. W., Chiang, H. C., Tsai, Y. H., & Liu, H. E. (2020). The Immediate Effects of Lavender Aromatherapy Massage versus Massage in Work Stress, Burnout, and HRV Parameters: A Randomized Controlled Trial. *Evidence-based complementary and alternative medicine : eCAM*, 2020, 8830083. <https://doi.org/10.1155/2020/8830083>
8. Chiang, Y. T\*., Yu, H. Y., Lo, F. S., Chen, C. W., Huang, T. T., Chang, C. W\*., & Moonsh, P. (2020). Emergence of a butterfly: the life experiences of type 1 diabetes Taiwanese patients during the 16-25 years old transition period. *International Journal of Qualitative Studies on Health and Well-Being*, 15(1), 1748362. doi: 10.1080/17482631.2020.1748362

9. Hsiao, P., Chiu, C. C., Lin, K. H., Hu, F. K., Tsai, P. J., Wu, C. T., Pang, Y. K., Lin, Y., Kuo, M. H., Chen, K. H., Wu, Y. S., Wu, H. Y., Chang, Y. T., Chang, Y. T., Cheng, C. S., Chuu, C. P., Lin, F. H., Chang, C. W\*, Li, Y. K\*, Chan, J. S\*, & Chu, C. M\*. (2020, Jul). Usability of Wearable Devices with a Novel Cardiac Force Index for Estimating the Dynamic Cardiac Function: Observational Study. *JMIR mHealth and uHealth*, 8(7), e15331.
10. Lai, C. Y., Lin, F. H., Chu, H., Ku, C. H., Tsai, S. H., Chung, C. H., Chien, W. C., Wu, C. H., Chu, C. M\*, Chang, C. W\*. (2018, Feb). Survival factors of hospitalized out-of-hospital cardiac arrest patients in Taiwan: A retrospective study. *PLoS One*, 13(2), e0191954.
11. Wang, Y. F., Chuang, H. L., Chang, C. W., & Zauszniewski, J. A. (2018). Translation and Psychometric Analysis of the Chinese Version of the Dutch Eating Behavior Questionnaire for Children (DEBQ-C) in Taiwanese Preadolescents. *Journal of Pediatric Nursing*, 39, e30-e37.
12. Wang, Y. F., Chuang, H. L., Chang, C. W., & Zauszniewski, J. A. (2017). Translation and Psychometric Properties of a Chinese Version of the Dutch Eating Behavior Questionnaire for Children in Taiwanese Preadolescents . *Western Journal of Nursing Research*, 39(10), 1375-1376.
13. Rau, H. H., Wu, Y. S., Chu, C. M., Wang, F. C., Hsu, M. H., Chang, C. W., Chen, K. H., Lee, Y. L., Kao, S., Chiu, Y. L., Wen, H. C., Fuad, A., Hsu, C. Y., & Chiu, H. W. (2017). Importance-Performance Analysis of Personal Health Records in Taiwan: A Web-Based Survey. *Journal of medical Internet research*, 19(4), e131. <https://doi.org/10.2196/jmir.7065>
14. Lei, R. L., Chen, H. S., Huang, B. Y., Chen, Y. C., Chen, P. K., Lee, H. Y., Chang, C. W., & Wu, C. L. (2013). Population-based study of birth prevalence and factors associated with cleft lip and/or palate in Taiwan 2002-2009. *PloS one*, 8(3), e58690
15. Chang, C. W., Mu, P. F., Jou, S. T., Wong, T. T., & Chen, Y. C. (2013). Systematic review and meta-analysis of nonpharmacological interventions for fatigue in children and adolescents with cancer. *Worldviews on evidence-based nursing*, 10(4), 208–217. <https://doi.org/10.1111/wvn.12007>
16. Wong, C. H., Chiang, Y. C., Wai, J. P., Lo, F. S., Yeh, C. H., Chung, S. C., & Chang, C. W\*. (2011). Effects of a home-based aerobic exercise programme in children with type 1 diabetes mellitus. *Journal of clinical nursing*, 20(5-6), 681–691. <https://doi.org/10.1111/j.1365-2702.2010.03533>.
17. Chang, C. W., Yeh, C. H., Lo, F. S., & Shih, Y. L. (2007). Adherence behaviours in Taiwanese children and adolescents with type 1 diabetes mellitus. *Journal of clinical nursing*, 16(7B), 207–214. <https://doi.org/10.1111/j.1365-2702.2005.01541>.
18. Yeh, C. H., Chang, C. W., & Chang, P. C. (2005). Evaluating quality of life in children with cancer using children's self-reports and parent-proxy reports. *Nursing research*, 54(5), 354–362. <https://doi.org/10.1097/00006199-200509000-00010>
19. Chiang, Y. T., Chang, C.W., Zheng, Q. C Chiu, Y.Y., Yu, H. Y., & Lin, S. F. (2018). Mind mapping: A creative development in pediatric nursing practice. *Yuan-Yuan Nursing*, 12(2),50-57. doi : 10.6530/YYN/201807\_12(2).0006 (Chinese).

20. Chang, C.W., Yu, H.Y., Chiang, Y.T., Chen, C.W. & Lo, F.H. (2017). Multiple perspectives of transitional experiences among patients with type 1 diabetes. *Chang Gung Nursing*,28 (2),219-228. doi: 10.3966/102673012017062802003 (Chinese)
21. Chang, C.W., Chiang, Y. T., & Yu, H. Y. (2017). Clinical application of therapeutic play in children. *Yuan-Yuan Nursing*,11(1), 44-51. doi: 10.6530/YYN/2017.5.4 (Chinese).
22. Chiang Y. T., Yu, H.Y., & Chang, C.W. (2016). Impact of type 1 diabetes during the transition phase on patients aged between 16 and 25 and the nursing trends. *Chang Gung Nursing*,27 (3),342-352. doi : 10.3966/102673012016092703004 (Chinese).

## 著作

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1. 許玉雲、林元淑、張寶園、張綺紋 (2023 年 01 月)。15 章兒童內分泌系統疾病及其護理，實用兒科護理:基礎觀點，於陳月枝總校閱 (ISBN：978-986-194-692-4)。台北，中華民國：華杏。
2. 許玉雲、林元淑、張寶園、張綺紋 (2021 年 04 月)。15 章兒童內分泌系統疾病及其護理，實用兒科護理，於陳月枝總校閱 (ISBN：978-986-194-589-7)。台北，中華民國：華杏。
3. 康百淑、張綺紋、陳瓊瑤 (2019 年 05 月)。成年早期.於蔡欣玲等編著,當代人類發展學(ISBN：9789861945262)(五版).台北，中華民國:華杏.