

Wan-Chen Lin

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PROFILE

- Public health researcher with 4+ years of experience in epidemiological research focusing on mental health
- Aspiring psychiatric and social epidemiologist dedicated to advancing mental well-being through rigorous research and evidence-based interventions
- Demonstrated research independence by securing a competitive grant from Taiwan's National Science and Technology Council to lead a full-cycle project—from proposal to final report—resulting in a published, cited conference abstract
- Skilled in longitudinal data analysis using SAS, Stata, and R; and experienced with qualitative research methods in ATLAS.ti and Dedoose
- Proficient in conducting systematic reviews, survey design and implementation, and public health program evaluation

EDUCATION

University of North Carolina at Chapel Hill, Gillings School of Global Public Health 2026, Chapel Hill, NC
Master of Public Health in Health Behavior | Minor: Epidemiology

Taipei Medical University 2024, Taipei, Taiwan
Bachelor of Science in Public Health | Overall GPA: 3.97/4.00 | Certificate of Global Health

RESEARCH EXPERIENCE

Research Assistant 05/2025 – Present, Chapel Hill, NC (Hybrid)

Department of Epidemiology, Gillings School of Global Public Health, University of North Carolina at Chapel Hill

Project: *Bachpan Study* | PI: Joanna "Asia" Maseko, ScD

- Author and design dissemination materials to communicate research findings with 1,000+ cohort participants
- Conduct quantitative data analyses using Stata to investigate relationships between maternal mental health, parental engagement, and child learning outcomes in a longitudinal cohort study with 10+ years of follow-up data

Graduate Research Collaborator 12/2024 – Present, Research Triangle Park, NC (Remote)

RTI International

- Conduct a scoping review on eating disorders among postpartum women, focusing on maternal mental health, feeding practices, infant outcomes, and screening & diagnostic strategies for eating disorders
- Contribute to literature screening (600+ articles), research quality assessment, and data extraction (30+ included) using Covidence; co-author a manuscript for submission to a peer-reviewed journal based on the findings

Program Evaluation Intern 05/2025 – 07/2025, Chapel Hill, NC (Hybrid)

Department of Family Medicine, School of Medicine, University of North Carolina at Chapel Hill

Project: *Primary Care Training Enhancement – Residency Training in Mental and Behavioral Health* |

Preceptor: Kelsey Ross Dew, MPH & Brianna Lombardi, PhD, MSW

- Performed transcript quality assurance procedures and thematic analysis using ATLAS.ti on 24 qualitative interviews with family medicine residents to identify physicians' self-perceived roles in addressing mental and behavioral health
- Conducted a literature review on integrating mental and behavioral health into primary care; developed search strategies using PEO and SPIDER frameworks, executed database searches (5,000+ articles), and synthesized findings from 16 studies to inform evidence-based residency training improvements

Conference Abstracts Reviewer 04/2025, Washington, DC (Remote)

Mental Health Program, APHA 2025 Annual Meeting and Expo, American Public Health Association

- Reviewed and assessed eight conference abstracts for the APHA Mental Health section, providing scores, detailed comments, and recommendations to guide final program selection

Undergraduate Research Assistant 09/2021 – 06/2024, Taipei, Taiwan (On-site)

School of Public Health, Taipei Medical University

Project: *Longitudinal Examination across Prenatal and Postpartum Health in Taiwan (LEAPP-HIT)* | PI: Yi-Hua Chen, PhD

- Researched on risk and protective factors of parental mental health in the perinatal period using SAS 9.4
- Constructed a merged dataset by integrating longitudinal cohort data (LEAPP-HIT, 11 timepoints) with multi-source environmental indicators (temperature, NDVI) to quantify climate impacts on perinatal mental health and infant birth outcomes—the first cohort study of its kind in Taiwan, advancing scientific evidence and informing policy making

- Translated and culturally adapted the Flourishing Index into Chinese; developed web-based mood assessment tools using Ecological Momentary Assessment (EMA) methods
- Served as an interviewer, facilitated data collection, executed data entry and transformation, and coordinated follow-ups for a longitudinal cohort of 2,000+ households (mothers, fathers, and children included)

Project: *An International Comparative Study of the Effectiveness of COVID-19 Control Measures in Taiwan and their Impact on Population Health* | PI: Yi-Hua Chen, PhD

- Conducted a systematic review on non-pharmaceutical interventions (NPIs) adopted during the COVID-19 pandemic, including screening over 6,000 articles and synthesizing findings from 18 studies
- Conceptualized cross-country policy effectiveness and contributed the results to a governmental research report for Taiwan's Ministry of Health and Welfare

Undergraduate Research Fellow

07/2022 – 02/2023, Taipei, Taiwan (On-site)

School of Public Health, Taipei Medical University

Project: *Relationship Between Instagram Use and Subjective Well-Being among College Students—the Role of Resilience* | Advisor: Yi-Hua Chen, PhD

- Secured a competitive University Students Research Grant from the National Science and Technology Council (NSTC), Taiwan's primary science funding agency (Grant value: NTD\$58,000)
- Managed the research project, including proposal development, survey design, data collection, statistical analysis using SAS 9.4, data interpretation, and final report writing
- Authored a conference abstract based on the findings, which was published in a supplement of *The European Journal of Public Health* and has since garnered two citations
- Presented research results via poster at major domestic and international conferences with over 2,000 attendees

Public Health Intern

07/2023 – 08/2023, Kinmen, Fuchien (On-site)

Jincheng Health Center

Project: *Exploring the Health Status of the Elderly in Jincheng Township, Kinmen County: The Impact of Education Levels and Community-Based Health Promotion Programs* | Advisor: Ying-Chih Chuang, PhD

- Contributed to the execution of community health promotion programs, inspiring approximately 20 elderly individuals to engage in exercise and handicraft activities
- Evaluated the program and provided tangible recommendations for program improvements
- Designed web-based health education materials to convey the principles of an age-friendly city and promoted the online elderly health assessment provided by the Health Promotion Administration, Taiwan
- Explored social determinants of health among older adults in Kinmen, an outlying island with limited healthcare resources
- Recognized with the university-wide Outstanding Internship Award

Undergraduate Student Researcher

09/2022 – 01/2023, Taipei, Taiwan (On-site)

School of Public Health, Taipei Medical University

Project: *Community Assessment of Xinzhong Village, Wanhua District, Taipei City* | Advisor: Ying-Chih Chuang, PhD

- Conducted a community assessment utilizing a multi-method approach, including archival data research, direct observation, and five in-depth qualitative interviews
- Applied an equity lens to understand and voice the lived experiences of marginalized urban populations, examining systemic and historical factors affecting community health
- Identified and analyzed the nuanced relationship between self-labeling as a coping mechanism and community members' resistance to external stigmatization

Summer Research Student

07/2022 – 08/2022, Taipei, Taiwan (On-site)

Neuroscience Program of Academia Sinica (NPAS), Institute of Biomedical Science, Academia Sinica

Project: *STAT6 Appears to Be a Potential Regulator of Galectin-3 in Tauopathy* | Advisor: Yijuang Chern, PhD

- Developed proficiency in core biomedical laboratory techniques in a high-intensity neurodegeneration research setting
- Conducted an independent research project investigating the regulatory role of STAT6 in Alzheimer's disease, utilizing Western blotting and statistical analysis with GraphPad Prism
- Contributed to the understanding of molecular mechanisms underlying tauopathy progression

PUBLICATIONS AND PRESENTATIONS

Wang Z.Y., Lin W.C., Zou M.L., Lung S.C., Chao H.J., & Chen Y.H. (Presenter). (2024, October 27-30) *Association between ambient temperature exposure and birth outcomes: The role of season of birth in Taiwan*. [Conference session] APHA 2024 Annual Meeting and Expo, Minneapolis, MN, USA.

Chen, Y.H. (Presenter), Lin, W.C., & Zou, M.L. (2024, June 6–7). *Impact of ambient temperature on parental well-being*

- during pregnancy: *A cohort study in Taiwan* [Poster presentation]. International Conference on Environmental and Public Health Management, Kobe, Japan.
- Lin, W.C.,** Zou, M.L., Hsu, H.W., Lin, W.Y., & Chen, Y.H. (2023). Association between Instagram addiction and well-being: the role of resilience and self-esteem. *The European Journal of Public Health*, 33(Suppl 2), ckad160.1581. <https://doi.org/10.1093/eurpub/ckad160.1581>
- Kang, Y.S., Chien, L.C., Zou, M.L., Lin, W.Y., Hsu, H.W., **Lin, W.C.,** & Chen, Y.H. (2023). The relationship between parental mental health and preschoolers' stress hormone and development. *The European Journal of Public Health*, 33(Suppl 2), ckad160.1517. <https://doi.org/10.1093/eurpub/ckad160.1517>
- Chen, C.C., Lin, W.Y., Zou, M.L., Hsu, H.W., **Lin, W.C.,** & Chen, Y.H. (2023). The link between smart device use and ADHD—how can reading and physical activity make a difference?. *The European Journal of Public Health*, 33(Suppl 2), ckad160.837. <https://doi.org/10.1093/eurpub/ckad160.837>
- Lin, W.C. (Presenter),** & Chen, Y.H. (2023, September 16–17). *Gender differences in the relationship between Instagram addiction and depression among college students* [Poster presentation]. 2023 Taiwan Public Health Joint Annual Conference, Kaohsiung, Taiwan.
- Lin, W.C. (Presenter),** Hsu, H.W., Lin, W.Y., Zou, M.L., & Chen, Y.H. (2022, October 15–16). *Relationship between parental relationship and depression during pregnancy: The modifying effect of resilience* [Poster presentation]. 61st Annual Conference of the Taiwanese Psychological Association, Taipei, Taiwan.

LEADERSHIP AND ACTIVITIES

- Event Coordinator** 05/2025 – Present, Chapel Hill, NC (Hybrid)
Taiwanese Student Association (TSA), University of North Carolina at Chapel Hill
- Plan and execute 5+ major events for the academic year, including pre-arrival information sessions, orientation events, and community gatherings for 50+ Taiwanese students and scholars
 - Establish the official TSA website using WordPress, serving as a central information hub featuring event announcements, documentation of organizational activities, and informational blog posts on student life resources
- Public Relations Manager** 09/2022 – 10/2022, Taipei, Taiwan (On-site)
Model United Nations, Taipei Medical University
- Communicated board meeting information to a university-wide audience
 - Launched a social media campaign to recruit delegates and promote the Model United Nations program
- President** 06/2021 – 09/2022, Taipei, Taiwan (On-site)
Chinese Medicine Club, Taipei Medical University
- Managed a student club with 70+ members; oversaw weekly lectures, hands-on activities, and executive meetings
 - Guided the development of club advertisement materials, including flyers and social media marketing
 - Initiated a program sharing health knowledge with the public through social media platforms
 - Partnered with local clinics and nonprofit organizations to expand community engagement and outreach
 - Strengthened club management by implementing the PDCA (Plan-Do-Check-Act) framework
 - Led the executive team to win first place in the university-wide club evaluation competition
- Director of Health Education** 06/2021 – 09/2022, Taipei, Taiwan (On-site)
Chinese Medicine Social Medical Service Team, Taipei Medical University
- Arranged home visits and modified questionnaires regarding health status, health literacy, and health behavior
 - Chaired the interview training session to guide 20+ team members in health education
 - Facilitated the preparation of a health education short drama with 50+ elderly audiences in remote areas
- Event Director** 03/2021 – 05/2021, Taipei, Taiwan (On-site)
Chinese Medicine Week, Taipei Medical University
- Managed a team of 20 people to host a lecture on obesity control in traditional Chinese medicine
 - Organized and supervised health education activities to advocate the importance of a healthy diet on campus

SKILLS

Technical & Analytical Skills

- Statistical Software: SAS, Stata, R (RStudio), GraphPad Prism
- Qualitative Software: Dedoose, ATLAS.ti
- Geospatial Software: ArcGIS Pro
- Other Tools: Tableau, Covidence, EndNote, Zotero

Research Methodologies

- Data Management & Analysis: data cleaning, exploratory data analysis, missing data handling (multiple imputation)
- Statistical Modeling: Linear & logistic regression, spatial regression
- Survey Methodology: Survey design & implementation (Qualtrics, cognitive interviewing)
- Qualitative Analysis: In-depth interviewing, thematic analysis (memoing, coding), data interpretation
- Research Synthesis: Epidemiological & social research design, systematic review & meta-analysis, academic writing

Laboratory Skills

- Cell & Molecular Biology: Cell culture, plasmid sequencing, Western blot, immunocytochemistry

Currently Learning

- GitHub, SQL, multilevel modeling, structural equation modeling

Languages

- Mandarin Chinese: Native
- English: Fluent – TOEFL iBT 102/120 (R28, L25, S24, W25)

CERTIFICATIONS

Psychological First Aid (PFA) Online	<i>07/2025, National Child Traumatic Stress Network</i>
GCP – Social and Behavioral Research Best Practices for Clinical Research	<i>05/2025, CITI Program</i>
Adult Mental Health First Aid USA	<i>02/2025, National Council for Mental Wellbeing</i>
APHA Climate for Health Ambassador Training	<i>01/2025, ecoAmerica</i>
Public Health Specialist	<i>09/2024, Ministry of Health and Welfare, Taiwan</i>
Social and Behavioral Research	<i>08/2024, CITI Program</i>
SAS Academic Specialization in Applied Big Data Analytics	<i>07/2024, SAS Institute</i>

HONORS AND AWARDS

Academic Excellence Award for Graduates	<i>06/2024, Taipei Medical University</i>
Graduation honors recognizing academic excellence among the graduates of the Class of 2024	
Outstanding Internship Award	<i>06/2024, Taipei Medical University</i>
Recognized for demonstrating exceptional professionalism and contributions during the public health practicum	
PsBL Achievement Competition – Honorable Mention	<i>11/2023, Taipei Medical University</i>
Awarded for a course project demonstrating creativity, interdisciplinary knowledge integration, and strong problem-solving abilities (PsBL: Problem-, Project-, Product-Based Learning)	
Club Evaluation Presentation Competition – High Distinction Award	<i>06/2022, Taipei Medical University</i>
First place award recognizing excellence in student club leadership, strategic planning, and oral presentation skills	
Academic Achievement Award	<i>03/2022, Taipei Medical University</i>
Awarded to the top 1% of students in the School of Public Health for outstanding academic performance	

RELEVANT COURSEWORK

Biostatistics; Epidemiology; Social Epidemiology; Health Education and Health Behavior Theories; Qualitative Research Methods; Public Health Program Development, Implementation, and Evaluation; Survey Development; Systematic Review and Meta-Analysis; Longitudinal Data Analysis; GIS and Spatial Epidemiology; General Psychology; Biology; Chemistry; Biochemistry; Community Health and Primary Care; Maternal and Child Health; Environmental Health; Industrial and Environmental Toxicology; Parasitology; Microbiology and Immunology; Communicable Disease Control; Chronic Disease Control; Economics; Neuroscience Research Methods