

# FAN YANG

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## **EDUCATION BACKGROUND**

### **Department of Public Health and Primary Care, University of Cambridge**

10/2024-Present

- PhD Student in Public Health and Primary Care
- Trust Scholar (Funded by CSC and Cambridge Trust)

### **School of Public Health, Peking University**

09/2022-06/2024

- Master of Public Health

### **School of Public Health, University of California Berkeley**

07/2019-08/2019

- Summer Session, Berkeley-China Program

### **School of Psychological and Cognitive Sciences, Peking University**

09/2018-06/2022

- Bachelor of Psychology (Dual Degree)

### **School of Public Health, Peking University**

09/2017-06/2022

- Bachelor of Preventive Medicine (Major Degree)

## **PROFESSIONAL SKILLS**

English: IELTS 7.5 (overall)

03/2023

Programming Language: Experienced in *R* and SPSS, mainly in *R*

## **GRANTS AND AWARDS**

Peking University Award for Community or Public Service	12/2018
Peking University Award for Community or Public Service	12/2019
Peking University Award for Contribution in Student Organizations	12/2020
Third-class Comprehensive Medical Scholarship	12/2020
Peking University Merit Student	12/2021
Second-class Comprehensive Medical Scholarship	12/2021
First Prize of "Sharing Cup" of National Population Health Data Center	03/2022
Peking University Merit Student	12/2022
Peking University Exceptional Award for Academic Innovation	12/2022
First-class Comprehensive Medical Scholarship	12/2022
Peking University Award for Scientific Research	12/2023
Peking University Exceptional Award for Academic Innovation	12/2023
First-class Comprehensive Medical Scholarship	12/2023
CSC Cambridge Scholarship	07/2024

## **PUBLICATIONS**

1. **Yang, F.**, Huang, N., Mu, J., & Guo, J. (2024). The similarities and differences of network structures of posttraumatic stress symptoms among Chinese adolescents exposed to three different types of trauma. *Psychological trauma : theory, research, practice and policy*, 10.1037/tra0001705. Advance online publication.
2. **Yang, F.**, Liu, X., Zhang, B., Fu, M., Huang, N., Zhen, C., Guo, J. (2024). A Network Analysis of Gender Differences in PTSD Symptoms among Chinese Adults during COVID-19 Pandemic. *Mental illness*. <https://doi.org/10.1155/2024/6259982>
3. **Yang, F.**, Zhang, B., Lodder, P., & Guo, J. (2024). The burden of acute lymphoid leukemia among adolescents and young adults in the Western Pacific Region: evidence from Global Burden Disease 2019. *Cancer causes & control : CCC*, 10.1007/s10552-023-01843-3. Advance online publication. <https://doi.org/10.1007/s10552-023-01843-3>
4. Liu, X., **Yang, F.**, Huang, N., Guo, J. (2024). Thirty-year trends of anxiety disorders among adolescents based on the 2019 Global Burden of Disease Study. *General psychiatry*, 37(2), e101288. <https://doi.org/10.1136/gpsych-2023-101288>
5. Zhang, P., Huang, N., **Yang, F.**, Yan, W., Zhang, B., Liu, X., Peng, K., & Guo, J. (2024). Determinants of depressive symptoms at individual, school and province levels: a national survey of 398,520 Chinese children and adolescents. *Public health*, 229, 33–41. Advance online publication. <https://doi.org/10.1016/j.puhe.2024.01.015>
6. **Yang, F.**, Lodder, P., Huang, N., Liu, X., Fu, M., & Guo, J. (2023). Thirty-year trends of depressive disorders in 204 countries and territories from 1990 to 2019: An age-period-cohort analysis. *Psychiatry research*, 328, 115433. <https://doi.org/10.1016/j.psychres.2023.115433>
7. Zhang, P., **Yang, F. (co-first author)**, Huang, N., Yan, W., Zhang, B., Zhang, C., Peng, K., & Guo, J. (2023). Assessment of Factors Associated With Mental Well-Being Among Chinese Youths at Individual, School, and Province Levels. *JAMA network open*, 6(7), e2324025. <https://doi.org/10.1001/jamanetworkopen.2023.24025>
8. Liu, X., **Yang, F.**, Wang X., Huang, N., Cheng T., Guo, J. (2023) A Study on the Influencing Factors and Equity of Self-Rated Health Status of Migrant Population in China. *Journal of Peking University (Health Science)*, 2024, 56(2): 223-229. [In Chinese]
9. Zhang, S., Liu, Q., **Yang, F.**, Zhang, J., Fu, Y., Zhu, Z., Guo, J., Li, X., & Yang, L. (2023). Associations between COVID-19 infection experiences and mental health problems among Chinese adults: A large cross-section study. *Journal of affective disorders*, 340, 719–727. <https://doi.org/10.1016/j.jad.2023.08.080>
10. Guo, J., Liu, X., Huang, N., **Yang, F.**, Bai, Y., Zhang, B., & Lodder, P. (2023). School-based Psychosocial interventions on mental health among Chinese rural children with traumatic experiences: a protocol using cluster randomized controlled trial. *BMC psychology*, 11(1),

148. <https://doi.org/10.1186/s40359-023-01182-7>
11. **Yang, F.**, Huang, N., Zhang, B., Fu, M., & Guo, J. (2023). Network analysis of COVID-19-related PTSD and depressive symptoms among Chinese general population and comorbidity subgroup. *Psychological trauma : theory, research, practice and policy*, *15*(3), 431–442. <https://doi.org/10.1037/tra0001434>
  12. **Yang, F.**, Fu, M., Hu, Q., & Guo, J. (2023). The associations between cognitive function and depressive symptoms among older Chinese population: A cohort study. *Frontiers in psychiatry*, *14*, 1081209. <https://doi.org/10.3389/fpsyt.2023.1081209>
  13. Bai, Y., **Yang, F.**, Chen, M., Zhang, B., Liu, X., Huang, N., Riem, M. M., & Guo, J. (2023). Social support profiles correlate with depressive symptoms among Chinese parents during the COVID-19 pandemic: A latent profile analysis. *Journal of health psychology*, *28*(8), 760–773. <https://doi.org/10.1177/13591053221144442>
  14. Huang, N., **Yang, F.**, Liu, X., Bai, Y., Guo, J., & Riem, M. M. E. (2023). The prevalences, changes, and related factors of child maltreatment during the COVID-19 pandemic: A systematic review. *Child abuse & neglect*, *135*, 105992. <https://doi.org/10.1016/j.chiabu.2022.105992>
  15. Huang, N., Bai, Y., **Yang, F.**, Liu, X., & Guo, J. (2023). The moderating effects of collegueship on the relationship between mental health and perceived stigma among Chinese firefighters. *Psychological trauma : theory, research, practice and policy*, 10.1037/tra0001496. Advance online publication. <https://doi.org/10.1037/tra0001496>
  16. Wang, T., Li, Q., Liu, H., Shi, Q., **Yang, F.**, Zhang, B., Ahmed, F., Jian, W., & Guo, J. (2023). Gender difference in the relationship between personality traits and changes in depressive symptoms before and after the COVID-19 outbreak: A follow-up study among Chinese adults. *Journal of affective disorders*, *326*, 49–56. <https://doi.org/10.1016/j.jad.2023.01.085>
  17. **Yang, F.**, Lodder, P., Fu, M., & Guo, J. (2022). Six-year changes of posttraumatic stress symptoms and depressive symptoms among Chinese earthquake survivors: A network analysis. *Journal of affective disorders*, *310*, 32–42. <https://doi.org/10.1016/j.jad.2022.05.002>
  18. **Yang, F.**, Wen, J., Huang, N., Riem, M. M. E., Lodder, P., & Guo, J. (2022). Prevalence and related factors of child posttraumatic stress disorder during COVID-19 pandemic: A systematic review and meta-analysis. *European psychiatry : the journal of the Association of European Psychiatrists*, *65*(1), e37. <https://doi.org/10.1192/j.eurpsy.2022.31>
  19. Yu, Y., **Yang, F.**, Fu, M., Ahmed, F., Shahid, M., & Guo, J. (2023). Relationship Between Work-Family Conflict and Depressive Symptoms Among Male Firefighters in China: Job Types and Family Structure as Moderators. *Journal of occupational and environmental medicine*, *65*(4), 337–343. <https://doi.org/10.1097/JOM.0000000000002759>
  20. Yu, Y., Fu, M., **Yang, F.**, & Guo, J. (2023). The Relationship Between Effort-Reward

Imbalance and Depressive Symptoms Among Chinese Firefighters: Moderating by Coping Styles. *Journal of occupational and environmental medicine*, 65(4), 300–306.

<https://doi.org/10.1097/JOM.0000000000002739>

21. **Yang, F.**, Fu, M., Huang, N., Ahmed, F., Shahid, M., Zhang, B., Guo, J., & Lodder, P. (2021). Network analysis of COVID-19-related PTSD symptoms in China: the similarities and differences between the general population and PTSD sub-population. *European journal of psychotraumatology*, 12(1), 1997181. <https://doi.org/10.1080/20008198.2021.1997181>
22. Liu, C., Meng, X., Zhang, H., **Yang, F.**, Pan, X., & Tang, K. (2021). Early-life famine exposure and rheumatoid arthritis in Chinese adult populations: a retrospective cohort study. *BMJ open*, 11(7), e043416. <https://doi.org/10.1136/bmjopen-2020-043416>
23. Bai, Y., Huang, N., **Yang, F.**, Liu, X., Guo, J. Relationship between Job Burnout and PTSD Symptoms in Chinese Firefighters: The Moderating Role of Perceived Social Support. *Chinese Journal of Traumatology*. (Submitted)

## **RESEARCH EXPERIENCES**

### **Research on Early Risks and Mental Health Disorders in Child and Adolescent among UK: a longitudinal study** 10/2024-Present

Supported by the NIHR Health and Social Care Delivery Research Program [NIHR134922]

Responsible for: (Core member)

- Study designing and data extraction.
- Data cleaning and analysis.
- Writing and revising articles.

### **Research on Child and Adolescent Mental Health Intervention from Active Health Perspective in Beijing** 01/2023-09/2024

Supported by the Beijing Municipal Social Science Foundation (ID: 22JYA002)

Responsible for: (Core member)

- Drafting application for the project.
- Questionnaires design, data collection and analyses.
- Writing and revising articles.

### **Research on Evaluation of Child and Adolescent Myopia Prevention Project in Shenzhen**

11/2022-09/2024

Supported by Shenzhen Eye Hospital (ID: YKYY2022-GK011)

Responsible for: (Major participant)

- Data cleaning and analysis.
- Participant in completing a report on the evaluation myopia prevention among adolescents in Shenzhen of China.
- Investigating potential relationship between mental behavior and myopia and writing a series of articles related to mental and behavioral health.

### **Research on Adolescent Health Development in Xinjiang Province of China** 05/2022-09/2024

Supported by the National Natural Science Foundation of China (ID: 8217120589)

Responsible for: (Core member)

- The design of the baseline and follow-up questionnaire: selecting the reliable and validated scales to measure adolescents' mental health, school climate, bullying victimization, etc., and designing the questionnaires about school based psychological activities and courses according to the previous literatures and surveys.
- Data collection, cleaning and analysis.
- Participant in completing a report on the development of mental health among adolescents in XinJiang Province of China.
- Writing a series of articles related to mental and behavioral health.

### **Research on 'Safety and Health' Project Evaluation in Shenzhen** 10/2021-10/2022

Supported by the Health Commission of Shenzhen Municipality

Responsible for: (Major Participant)

- Data analyses: using *R* to fix the missing data, describing screening results of perinatal depression and child autism during the past 10 years in Shenzhen, and statistical analyses of all variations.
- Writing the original evaluation report about the data sufficiency, screening results, screening evaluation, strengths and limitations of the Project and potential policy advice.

**Research on Mental Health Status among 398,520 Chinese Adolescents** 01/2021-09/2024

Supported by Tsinghua University Spring Breeze Fund (ID: 2020Z99CFG013)

Responsible for: (Cooperative Participant)

- Data analyses: analyzing the spatial distribution of mental health and bullying using Geoda, calculating the intraclass correlation coefficient (ICC) based on the R package 'lmerTest', and evaluating the effect of socioeconomic status at different levels on mental health employing Linear Mixed-Effects models (LMEs).
- Writing original drafts, for example: "Assessing determinants of mental well-being at individual, school and province levels: A national representative survey of 398,520 Chinese children and adolescents".
- Revising articles, for example: "Assessing determinants of depressive symptoms at individual, school and province levels: Perspectives from a national representative survey of 398,520 Chinese children and adolescents".

**Research on Long-tail Effect of Child PTSD and Intervention Strategy** 01/2021-09/2024

Supported by the National Natural Science Foundation of China (ID: 82173636)

Responsible for: (Core member)

- Questionnaires check: selecting correct information and excluding invalid questionnaires (e.g., answering less than 800 seconds).
- Data analyses: conducting statistical analysis (e.g., network analysis) based on *R*.
- Writing and revising the articles, for example: "Prevalence and related factors of child posttraumatic stress disorder during COVID-19 pandemic: A systematic review and meta-analysis".

**WORK/INTERSHIP EXPERIENCES**

*Editor and Journalist, Peking University News*

04/2018-01/2020

- As an editor and a journalist, my work could be divided into two parts: firstly, I needed to translate some Chinese news from Peking University into English. After revising, it would be published online on the website of Peking University News (e.g., "Effective Responses to Population Aging" - the 6th PKU Interdisciplinary Frontier Forum Held'). Secondly, sometimes I needed to interview some teachers or students and collect information for news (e.g., an interview with Prof. Gao Yanmei regarding the 'International Forum of Systemic Functional Linguistics' at Peking University in 2018).

*Internship, BEIJING SHIJITAN HOSPITAL*

09/2020-01/2021

- Initially, the internship was a part of our undergraduate education and was supposed to last from the start of the second semester of my junior year to the end of the first semester of my senior year. And we were expected to learn clinical lessons and rotation for almost a year. However, due to COVID-19, we had to study online at home during the second semester of my junior year and started our clinical rotation on 21/09/2020.
- During the internship, I rotated in eight departments in total (from 21/09/2020 to 08/01/2021) with an average time of two weeks per department, including the department of obstetrics and gynecology (one week in obstetrics and one week in gynecology), department of pediatrics,

department of cardiology, department of infectious diseases (in 302 Hospital in Beijing and arranged by BEIJING SHIJITAN HOSPITAL), department of respiration, department of gastroenterology (one week inward and one week in gastroscop/enteroscopy room), department of general surgery and community hospital (arranged by BEIJING SHIJITAN HOSPITAL).

- Overall, I need to assist doctors with examining and treating patients, and the tasks varied in departments. For instance, I was required to check and record the figures of the gastroscop/enteroscopy when I was in the gastroscop/enteroscopy room. While in the cardiology department, I was supposed to perform electrocardiograms on the patient. Sometimes, I even needed to take part in surgery (but I was forbidden to perform any operation on the patient directly, and all I could do was to handle some tools like lancet to the doctors). Consequently, I even helped doctors to give birth to a baby when I was in obstetrics.

*Intern, Qingdao Municipal Center for Disease Control & Prevention* 07/2021-09/2021

- It was also a part of our undergraduate education as a summer intern. As an intern, most of our jobs were related to COVID-19.
- Generally, I was required to do some epidemiological surveys and statistical analysis regarding this issue. For instance, I needed to telephone people who had potentially contacted people who tested positive for COVID-19 per day. I was also required to receive and send official files for COVID-19 from and to other Centers for Disease Control & Prevention in China. Also, sometimes, I need to record incidence cases of COVID-19 in Qingdao or other parts of China. Additionally, I need to monitor policies regarding COVID-19 every day.
- Occasionally, I was required to collect samples from the throats of my colleagues and others (e.g., people in nearby communities) for COVID-19 nucleic acid tests.

### **STUDENT ORGANIZATION EXPERIENCES**

*Chairman, Peking University Student Loving Heart Society* 09/2019-07/2020

*President, Peking University Health Science Center Association of Jiangxi Culture and Development*

09/2019-07/2020