

Yunfei Liu(刘云飞)

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EDUCATION

PhD student in Maternal, Child and Adolescent Health, Peking University	2022.08 – Now
M.S. in Maternal, Child and Adolescent Health, Peking University	2020.09 – 2022.06
B.S. in Economics, Peking University	2016.09 – 2020.07
B.S. in Medicine, Peking University	2015.09 – 2020.07

RESEARCH INTERESTS

Development of predictive model for MASLD in children and adolescents.
Disease burden among children and adolescents, mainly focus on injuries.
Physical health and mental health of children and adolescents.

RESEARCH EXPERIENCE

Study on the construction and promotion of a comprehensive demonstration area for "co-morbidity, co-causes, and co-prevention" of myopia and obesity among children and adolescents in Beijing, based on the RE-AIM framework

2022.09 – Now

- ✧ This is a cluster randomized trial of a comprehensive intervention that integrates family and clinic components into a school-centered implementation aimed at reducing myopia and obesity among children and adolescents in Beijing, China.
- ✧ I was involved as a key participant in study design, fieldwork, intervention implementation, and report writing.

Peer Support Toolkit: Practical Research and Curriculum Development

2022.16 – Now

- ✧ This study aims to develop curricula that can be piloted and replicated nationwide with the goal of improving the mental health of students.
- ✧ I played a key role in initiating the project, writing content, developing the curriculum, and designing pre-laboratory activities, among other responsibilities.

2019 Chinese National Survey on Students' Constitution and Health

2020.01 – 2022.07

- ✧ This is the largest nationally representative cross-sectional survey of school-age children in China.
- ✧ I played a key role in data cleaning, analysis, and report writing.

African COVID-19 Weekly

2020.09 – 2021.08

- ✧ Weekly reports on changes in the African epidemic, mutation of strains, importation into China, vaccination, etc.
- ✧ I was involved as a key participant in data visualization, analysis, and report writing.
- ✧ Compiled 60 issues and received an appreciation certificate from the Chinese Center for Disease Control and Prevention.

Study on the impact of COVID-19 on the vision of children and adolescents

2020.06 – 2021.03

- ✧ This is a longitudinal survey tracking changes in the vision of children and adolescents before, during, and after the COVID-19 pandemic, aiming to understand its impact.
- ✧ I was involved as a key participant in data cleaning, analysis, and report writing.

HONORS & AWARDS

Award for scientific research (Peking University)	2023.12
National Academic Scholarship (Second Prize, Peking University)	2021.12
National Academic Scholarship (Second Prize, Peking University)	2020.12

PUBLICATIONS

PUBLISHED—First and co-first author

- Liu, Y.;** Zhong, P.; Dang, J.; Shi, D.; Cai, S.; Chen, Z.; Zhang, Y.; Ma, J.; Song, Y. Trends of Cause-Specific Mortality and Association with Economic Status, Education Level, as Well as Health Investment among Adolescents Aged 10 to 24 Years in China, 2004–2019. *Future* 2023, 1, 61-75.
- Liu Y,** Dong Y, Yan X, Ma N, Dang J, Zhang J, Zhong P, Li L, Zou Z, Song Y, Ma J. Global trends and regional differences in non-transport unintentional injuries mortality among children and adolescents, 1990 to 2019: results from the Global Burden of Disease 2019 study. *Chin Med J (Engl)*. 2022 Sep 5; 135(17): 2056-2065.
- He G, **Liu Y,** Bagga A, et al. Trends and socioeconomic inequality of the burden of congenital abnormalities of the kidney and urinary tract among children and adolescents. *Nephrol Dial Transplant*. 2024 May 23:gfae115. (**co-first author**)
- Liu Y,** Shi D, Zhong P, et al. Physical fitness and health status, and gender differences of middle school students among five Chinese minorities during 2010 to 2019 (in Chinese). *Chinese Journal of School Health*, 2023, 44(01): 104-109.
- Liu Y,** Dang J, Zhong P, et al. Injury mortality among Chinese aged 5 to 24 years from 1990 to 2019 (in Chinese). *Journal of Peking University (Health Science)*, 2022, 56(03): 334-339.
- Liu Y,** Yan X, Ma N, et al. Analysis of changes in mortality of children and adolescents aged 5 to 19 years in China from 2004 to 2018 and policy effects (in Chinese). *Chin J Prev Med*, 2022, 56(03): 334-339.
- Liu Y,** Zhong P, Dang J, et al. Study on trends regarding to burden of disease among Chinese children and adolescents aged

5 to 24 years, 1990-2019 (in Chinese). Capital Journal of Public Health, 2021, 15(06): 321-325.

Liu Y, Yan X, Zhang J, et al. Prevalence of smoking behavior among high school students in Beijing and gender difference in the association between family factors and smoking behavior (in Chinese). Chinese Journal of Child Health Care, 2021, 29(03): 262-267. (Selected as the **first prize** for outstanding papers on the 30th anniversary of the Journal's founding)

PUBLISHED——Co-author

Tian-Jiao Chen, ..., **Yunfei Liu**, ..., Yi Song, Jun Ma, Susan M Sawyer. Matching actions to needs: shifting policy responses to the changing health needs of Chinese children and adolescents[J]. The Lancet, 2024. (**ONLINE FIRST**)
Zhong P, **Liu Y**, Ma N, et al. Combined Effect of Outdoor Time and Other Modifiable Factors on Myopia Incidence Among Children and Adolescents—9 PLADs, China, 2020[J]. China CDC Weekly, 2024, 6(9): 151-156.

Luo D, Ma N, **Liu Y**, et al. Long-term trends and urban–rural disparities in the physical growth of children and adolescents in China: an analysis of five national school surveys over three decades[J]. The Lancet Child & Adolescent Health, 2023, 7(11): 762-772.

Cai S, **Liu Y**, Dang J, et al. Clustering of Multilevel Factors Among Children and Adolescents: Associations With Health-Related Physical Fitness[J]. Journal of Physical Activity and Health, 2023, 1(aop): 1-11.

Wu T, Yan X, **Liu Y**, et al. Association between early life exposure to the great famine and possible sarcopenia in older Chinese adults: a national cross-sectional study[J]. BMJ open, 2023, 13(3): e065240.

Ma N, Dang J, **Liu Y**, et al. Percentile curves for multiple physical fitness components among chinese han children and adolescents aged 7–18 years from a national survey based on the total and the normal weight population[J]. Frontiers in Nutrition, 2022, 8: 770349.

Dang J, Ma N, **Liu Y**, et al. The independent and combined effects of single-child status and ideal lifestyle on clustered cardio-metabolic risk factors among Chinese children and adolescents[J]. Frontiers in Nutrition, 2022, 9: 987334.

IN REVIEW

Liu Y, Luo D, Zhong P, et al. Premature mortality and risk factors for drowning in 204 countries and territories, 1980-2021: an age-period-cohort analysis for the Global Burden of Disease 2021 study.

Liu Y, Wang Y, Xing Y, et al. Establishing a noninvasive predictive model for metabolic dysfunction-associated steatotic liver disease in children aged 6-14 years in China and its potential screening applications in high-obesity-risk regions. (**co-first author**)

IN PREPARATION

Independent and cumulative effects of lifestyle risk factors and nomogram to predict metabolic dysfunction-associated steatotic liver disease among children in Beijing, China. (First draft completed)

CONFERENCE PRESENTATION

2023 National Academic Conference on Child and Adolescent Health Development

JULY, 2023
Kunming, China

Title: Trends of Cause-Specific Mortality and Association with Economic Status, Education Level, as Well as Health Investment among Adolescents Aged 10 to 24 Years in China, 2004–2019. (**First Prize**)

2023 Global Doctoral Forum of “Together for Every Child”

JULY, 2023
Qingdao, China

Title: Premature mortality and risk factors for drowning in 204 countries and territories, 1990~2019: An age-period-cohort analysis for the Global Burden of Disease 2019 study (**Second Prize**)

2022 National High-Level Forum on Child and Adolescent Health Development

DECEMBER, 2023
Online

Title: Global trends and regional differences in non-transport unintentional injuries mortality among children and adolescents, 1990 to 2019: results from the Global Burden of Disease 2019 study. (**First Prize**)

The Fourth Forum on Physical Fitness and Health of Children and Adolescents

AUGUST, 2022
Online

Title: Physical fitness and health status, and gender differences of middle school students among five Chinese minorities during 2010 to 2019 (in Chinese, selected as one of **Top Ten Scholars**)

2021 National School Health Annual Meeting

JULY, 2021
Yinchuan, China

Title: Analysis of changes in mortality of children and adolescents aged 5 to 19 years in China from 2004 to 2018 and policy effects (in Chinese)

MISCELLANEOUS

Softwares: R, STATA, SPSS, Epidata, Tableau, DaVinci Resolve.

Interests: Badminton, Tennis, Listening to music, Hiking.