



Yalei KE, MSc, Ph.D. student

Department of Epidemiology & Biostatistics,
School of Public Health, Peking University

📍 38, Xueyuan Road, Haidian District, Beijing, 100191, China

✉ keyalei@pku.edu.cn 🏠 [KeYalei.github.io](https://github.com/KeYalei) ☎ [+86-18811733201](tel:+8618811733201)

Research Interests

- Physical Activity Epidemiology
- Aging and Chronic Disease
- Wearable Data and Digital Health

Education & Research Experiences

- Ph.D. student in Epidemiology and Health Statistics 2025/09–present, **Peking University**
(Advisor: Prof. Canqing Yu)
- M.Sc. in Epidemiology and Health Statistics 2023/09–2025/07, **Peking University**
(Advisor: Prof. Canqing Yu)
- B.M. in Preventive Medicine 2018/09–2023/07, **Peking University**

Honors & Awards

- National Scholarship **Ministry of Education of the People's Republic of China** (2024)
- Merit Student **Peking University** (2024)
- Merit Student **Beijing Municipal Education Commission** (2023)
- Excellent Student Leader **Peking University** (2023)
- Second Prize Scholarship for Outstanding Medical Students **Peking University Health Science Center** (2023)
- National Scholarship **Ministry of Education of the People's Republic of China** (2022)
- Merit Student Pacesetter **Peking University** (2022)
- Outstanding Contributor to Volunteer Work at the Beijing 2022 Winter Olympic and Paralympic Games **Peking University** (2022)
- Excellence Award of China College Students Health Science Popularization Competition **Chinese Preventive Medicine Association** (2021)
- Outstanding Youth League Branch Secretary **Peking University** (2021)
- Second Prize in the Medical Science Popularization Exhibition Competition **Peking University Health Science Center** (2020)
- National Scholarship **Ministry of Education of the People's Republic of China** (2019)
- Merit Student Pacesetter **Peking University** (2019)
- Top Ten Youth League Branch Secretary **Peking University** (2019)

First/Co-first Author Publications

+: Co-first Author. *: Co-Corresponding Author

1. **Ke Y**, Zhao Y, Bennett DA, Wright N, Im PK, Sun D, Pei P, Chen Y, Yang L, Avery D, Ning F, Chen J, Chen Z, Lv J, Li L, Du H*, Yu C*; China Kadoorie Biobank Collaborative Group. **Phenome-wide association of physical activity with morbidity and mortality risk in China: A prospective cohort study.** *Innovation (Camb)*. 2025 Mar 20;6(7):100886. DOI: 10.1016/j.xinn.2025.100886. (JCR Q₁, IF=33.2)
2. **Ke Y**, Zhao Y, Sun D, Pei P, Du H, Chen Y, Yang L, Yang X, Chen Y, Chen J, Chen Z, Lv J, Li L, Yu C; China Kadoorie Biobank Collaborative Group. **All-cause and cause-specific mortality in individuals with COPD in China: a 16-year follow-up cohort study.** *Eur J Epidemiol*. 2025 Jun 4. DOI: 10.1007/s10654-025-01252-7. (JCR Q₁, IF=7.7)
3. **Ke Y+**, Shi K+, Bennett DA, Lv J, Sun D, Pei P, Du H, Chen Y, Yang L, Zheng X, Yang X, Barnard M, Chen J, Chen Z, Li L, Yu C; China Kadoorie Biobank collaborative group. **Associations of total, domain-specific, and intensity-specific physical activity with all-cause and cause-specific mortality in China: A population-based cohort study.** *Chin Med J (Engl)*. 2025 Feb 19. DOI: 10.1097/CM9.0000000000003485. (JCR Q₁, IF=7.5)
4. **Ke Y**, Zhang X, Sun D, Pei P, Du H, Chen Y, Yang L, Yang X, Wang K, Chen J, Chen Z, Lv J, Li L, Yu C. **The association between preserved ratio impaired spirometry and mortality - 10 CKB study areas, China, 2004-2022.** *China CDC Wkly*. 2024 Oct 25;6(43):1120-1125. DOI: 10.46234/ccdcw2024.228. (JCR Q₁, IF=4.3)
5. Wu T+, **Ke Y+**, Li Y, Wu Z, Lv J, Yu C, Sun D, Yao P, Kartsonaki C, Chen Z, Li L, Pang Y. **Associations between circulating proteins and cardiometabolic diseases: A systematic review and meta-analysis of observational and Mendelian randomisation studies.** *Heart*. 2024 Sep 25;110(20):1208-1215. DOI: 10.1136/heartjnl-2024-324050. (JCR Q₁, IF=5.1)
6. **Ke Y**, Pan L, Lv J, Sun D, Pei P, Chen Y, Yang L, Du H, Clarke R, Chen J, Chen Z, Zhang X, Chen T, Li R, Qi L, Li L, Yu C. **[Distribution and influencing factors of lipoprotein (a) levels in non-arteriosclerotic cardiovascular disease population in China].** *Zhonghua Liu Xing Bing Xue Za Zhi*. 2024 Jun 10;45(6):779-786. DOI: 10.3760/cma.j.cn112338-20240105-00004. (Chinese Core Journal)
柯雅蕾, 潘焱, 吕筠, 孙点剑一, 裴培, 陈怡平, 杨玲, 杜怀东, Robert Clarke, 陈君石, 陈铮鸣, 章晓, 陈婷, 李润琴, 齐丽彤, 李立明, 余灿清, 代表中国慢性病前瞻性研究项目协作组. **中国非动脉硬化性心血管疾病人群脂蛋白 (a) 水平分布特征及影响因素.** *中华流行病学杂志*, 2024, 45(6): 779-786. DOI: 10.3760/cma.j.cn112338-20240105-00004. (中文核心)
7. **Ke Y**, Shi H, Lv J, Chen Y, Shao Z, Li L, Sun D, Yu C. **[Comparative study on physical activity and its influencing factors in patients with cardiovascular disease between China and the United Kingdom].** *Zhonghua Liu Xing Bing Xue Za Zhi*. 2023 Nov 10;44(11):1709-1716. DOI: 10.3760/cma.j.cn112338-20230421-00260. (Chinese Core Journal)
柯雅蕾, 史洪静, 吕筠, 陈媛媛, 邵子伦, 李立明, 孙点剑一, 余灿清. **心血管疾病患者体力活动及其影响因素的中英研究比较.** *中华流行病学杂志*, 2023, 44(11): 1709-1716. DOI: 10.3760/cma.j.cn112338-20230421-00260. (中文核心)
8. **Ke Y**, Luo J, Wang H. **[Branched Chain Amino Acid Metabolism and Its Relationship with Diseases].** *Chinese Journal of Biochemistry and Molecular Biology*. 2023;39(1): 24-32. DOI: 10.13865/j.cnki.cjbmb.2022.06.1059. (Chinese Core Journal)
柯雅蕾, 罗建沅, 王海英. **支链氨基酸代谢及其与疾病的关系.** *中国生物化学与分子生物学*

报,2023,39(1):24-32. DOI: 10.13865/j.cnki.cjbmb.2022.06.1059. (中文核心)

9. 柯雅蕾, 王子军, 余灿清. 心血管疾病患者动不动? 怎么动? . 中华流行病学杂志,2023,44(7):1169-1170. DOI: 10.3760/cma.j.cn112338-20230303-00123. (中文核心)

Collaborative Publications

1. Lan Y, **Ke Y**, Sun D, Pei P, Yang L, Chen Y, Du H, Lv S, Barnard M, Chen J, Chen Z, Lv J, Li L, Yu C; China Kadoorie Biobank Collaborative Group. **Associations of Muscle-Related Metrics With Respiratory Disease in Chinese Adults: A Prospective Cohort Study.** *J Cachexia Sarcopenia Muscle*. 2024 Nov 23. DOI: 10.1002/jcsm.13650. (JCR Q₁, IF=9.4)
2. Yu W, **Ke Y**, Lv J, Sun D, Pei P, Yang L, Chen Y, Du H, Xie K, Yang X, Barnard M, Chen J, Chen Z, Li L, Yu C; China Kadoorie Biobank Collaborative Group. **Preserved vegetable consumption and gastrointestinal tract cancers: A prospective study.** *J Glob Health*. 2024 Nov 8;14:04191. DOI: 10.7189/jogh.14.04191. (JCR Q₁, IF=4.5)
3. Chen J, Qiao L, Qi M, Zhang Y, Yan Y, Kang W, Zhou H, Yu Y, **Ke Y**, Jiang Y, Rao Y, Xu L, He G, Ren J, Yan X, Deng S, Yang X, Song Y, Yang Y, Wen Q, Han J, Wu Y, Liu G, Wang M, Zhang X, Xi Y, Wang S. **Higher disease burden and lower utilization in Mongolian with breast cancer: a 9-year retrospective cohort study of 18.19 million adults in China.** *Int J Surg*. 2024 Aug 1;110(8):4588-4597. DOI: 10.1097/JS9.0000000000001478. (JCR Q₁, IF=12.5)
4. Chen Y, Chan S, Bennett D, Chen X, Wu X, **Ke Y**, Lv J, Sun D, Pan L, Pei P, Yang L, Chen Y, Chen J, Chen Z, Li L, Du H, Yu C, Doherty A; China Kadoorie Biobank Collaborative Group. **Device-measured movement behaviours in over 20,000 China Kadoorie Biobank participants.** *Int J Behav Nutr Phys Act*. 2023 Nov 24;20(1):138. DOI: 10.1186/s12966-023-01537-8. (JCR Q₁, IF=8.7)
5. Zhou H, Qiao L, Zhang Y, Kang W, Yan X, Jiang Y, **Ke Y**, Rao Y, Liu G, Wang M, Wang H, Xi Y, Wang S. **Association of Ethnicity, Sex, and Age With Cancer Diagnoses and Health Care Utilization Among Children in Inner Mongolia, China.** *JAMA Netw Open*. 2022 Sep 1;5(9):e2231182. DOI: 10.1001/jamanetworkopen.2022.31182. (JCR Q₁, IF=13.8)
6. Li Z, Ma Y, Huo S, **Ke Y**, Zhao A. **Impact of COVID-19 Vaccination Status and Confidence on Dietary Practices among Chinese Residents.** *Foods*. 2022 May 8;11(9):1365. DOI: 10.3390/foods11091365. (JCR Q₁, IF=5.2)
7. Li Z, Zhao A, Li J, **Ke Y**, Huo S, Ma Y. **Food and Nutrition Related Concerns Post Lockdown during COVID-19 Pandemic and Their Association with Dietary Behaviors.** *Foods*. 2021 Nov 18;10(11):2858. DOI: 10.3390/foods10112858. (JCR Q₁, IF=5.6)
8. Zhang J, Zhao A, **Ke Y**, Huo S, Ma Y, Zhang Y, Ren Z, Li Z, Liu K. **Dietary Behaviors in the Post-Lockdown Period and Its Effects on Dietary Diversity: The Second Stage of a Nutrition Survey in a Longitudinal Chinese Study in the COVID-19 Era.** *Nutrients*. 2020 Oct 26;12(11):3269. DOI: 10.3390/nu12113269. (JCR Q₁, IF=5.7)
9. Zhang J, Zhang Y, Huo S, Ma Y, **Ke Y**, Wang P, Zhao A. **Emotional Eating in Pregnant Women during the COVID-19 Pandemic and Its Association with Dietary Intake and Gestational Weight Gain.** *Nutrients*. 2020 Jul 28;12(8):2250. DOI: 10.3390/nu12082250. (JCR Q₁, IF=5.7)
10. Zhang J, Zhang Y, Ma Y, **Ke Y**, Huo S, He L, Luo W, Li J, Zhao A. **The associated factors of cesarean section during COVID-19 pandemic: a cross-sectional study in nine cities of China.** *Environ Health Prev Med*. 2020 Oct 10;25(1):60. DOI: 10.1186/s12199-020-00899-w. (JCR Q₁, IF=3.7)
11. Zhao A, Li Z, **Ke Y**, Huo S, Ma Y, Zhang Y, Zhang J, Ren Z. **Dietary Diversity among Chinese**

Residents during the COVID-19 Outbreak and Its Associated Factors. *Nutrients*. 2020 Jun 6;12(6):1699. DOI: 10.3390/nu12061699. (JCR Q₁, IF=5.7)

Poster Presentations

1. **Prospective Association Study of Sedentary Time During Leisure Activities and Disease Risk Among Chinese Adults.** The 9th Conference on Epidemiology, 2024/9, Shenzhen, China.