

Yan Luo

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Education

City University of Hong Kong

Doctor of Philosophy in Data Science

Supervisor: Prof. Qingpeng Zhang

Hong Kong SAR, China

Sep 2022–Present

Peking University

Master of Science in Epidemiology and Health Statistics

GPA: 3.3/4.0 (85–89/100)

Supervisor: Dr. Beibei Xu

Thesis: Current Status of Frailty and its Associations with the Longitudinal Development of Multimorbidity among American Older Adults

Beijing, China

Sep 2020–Jul 2022

Peking University

Bachelor of Medicine in Preventive Medicine

GPA: 3.12/4.00 (81.05/100.00)

Beijing, China

Sep 2015–Jul 2020

Publications

indicates equal contribution

Journal articles (Published)

- Luo, Y., Chen, Y., Wang, K., De Fries, C. M., Huang, Z., Xu, H., Yang, Z., Hu, Y., & Xu, B. (2023). Associations between multimorbidity and frailty transitions among older Americans. *Journal of Cachexia Sarcopenia and Muscle*, 14(2), 1075–1082. <https://doi.org/10.1002/jcsm.13197>. (2023 IF: 9.4; Geriatrics & Gerontology: Ranked 4/74)
- Luo, Y., Huang, Z., Liu, H., Xu, H., Su, H., Chen, Y., Hu, Y., & Xu, B. (2022). Development and Validation of a Multimorbidity Index Predicting Mortality Among Older Chinese Adults. *Frontiers in Aging Neuroscience*, 14, 767240. <https://doi.org/10.3389/fnagi.2022.767240>. (2023 IF: 4.1; Geriatrics & Gerontology: Ranked 22/74)
- Luo, Y.[#], Zhang, Q.[#], Han, L., Shen, Z., Chen, Y., Wang, K., Huang, Z., De Fries, C. M., Cao, G., Su, H., Xu, H., Chen, Z., Ren, Z., Hu, Y., & Xu, B. (2022). Trends in the prevalence of vision impairment among the oldest-old Chinese population from 1998 to 2018. *Journal of Global Health*, 12, 11006. <https://doi.org/10.7189/jogh.12.11006>. (2023 IF: 4.5; Public, Environmental & Occupational Health: Ranked 43/403)
- Huang, Z. T., Luo, Y., Han, L., Wang, K., Yao, S. S., Su, H. X., Chen, S., Cao, G. Y., De Fries, C. M., Chen, Z. S., Xu, H. W., Hu, Y. H., & Xu, B. (2022). Patterns of cardiometabolic multimorbidity and the risk of depressive symptoms in a longitudinal cohort of middle-aged and older Chinese. *Journal of Affective Disorders*, 301, 1–7. <https://doi.org/10.1016/j.jad.2022.01.030>. (2023 IF: 4.9; Psychiatry: Ranked 38/276)
- Huang, Z. T., Lai, E. T., Luo, Y., & Woo, J. (2024). Social Determinants of Intrinsic Capacity: A Systematic Review of Observational Studies. *Ageing Research Reviews*, 102239. <https://doi.org/10.1016/j.arr.2024.102239>. (2023 IF: 12.5; Geriatrics & Gerontology: Ranked 3/74)
- Xu, H. W., Liu, H., Luo, Y., Wang, K., To, M. N., Chen, Y. M., Su, H. X., Yang, Z., Hu, Y. H., & Xu, B. (2024). Comparing a new multimorbidity index with other multimorbidity measures for predicting disability trajectories. *Journal of Affective Disorders*, 346, 167–173. <https://doi.org/10.1016/j.jad.2023.11.014>. (2023 IF: 4.9; Psychiatry: Ranked 38/276)
- Zhou, W.[#], Liu, Y.[#], Xu, B.[#], Wang, S.[#], Li, S., Liu, H., Huang, Z., Luo, Y., Hu, M., Wu, W., Zhang, Z., Long, X., Zou, W., Bian, Y., Zou, X., Elliott, M., Yue, L., Deng, H., Chen, H., Gao, X., ... Gao, Y. (2021). Early identification of patients with severe COVID-19 at increased risk of in-hospital death: a multicenter case-control study in Wuhan. *Journal of Thoracic Disease*, 13(3), 1380–1395. <https://doi.org/10.21037/jtd-20-2568>. (2023 IF: 2.1; Respiratory System: Ranked 59/100)
- Yao, S. S., Xu, H. W., Han, L., Wang, K., Cao, G. Y., Li, N., Luo, Y., Chen, Y. M., Su, H. X., Chen, Z. S., Huang, Z. T., Hu, Y. H., & Xu, B. (2022). Multimorbidity measures differentially predicted mortality among older Chinese adults. *Journal of Clinical Epidemiology*, 146, 97–105. <https://doi.org/10.1016/j.jclinepi.2022.03.002>. (2023 IF: 7.3, Health Care Sciences & Services: Ranked 7/174)
- Cao, G., Wang, K., Han, L., Zhang, Q., Yao, S., Chen, Z., Huang, Z., Luo, Y., Hu, Y., & Xu, B. (2021). Visual trajectories and risk of physical and cognitive impairment among older Chinese adults. *Journal of the American Geriatrics Society*, 69(10), 2877–2887. <https://doi.org/10.1111/jgs.17311>. (2023 IF: 4.3; Geriatrics & Gerontology: Ranked 18/74)
- Cao, G. Y., Chen, Z. S., Yao, S. S., Wang, K., Huang, Z. T., Su, H. X., Luo, Y., De Fries, C. M., Hu, Y. H., & Xu, B. (2023). The association between vision impairment and cognitive outcomes in older adults: a systematic review

and meta-analysis. *Aging & Mental Health*, 27(2), 350–356. <https://doi.org/10.1080/13607863.2022.2077303>. (2023 IF: 2.8; Psychiatry: Ranked 105/276)

- Yao, S. S., Meng, X., Cao, G. Y., Huang, Z. T., Chen, Z. S., Han, L., Wang, K., Su, H. X., Luo, Y., Hu, Y., & Xu, B. (2020). Associations between Multimorbidity and Physical Performance in Older Chinese Adults. *International journal of environmental research and public health*, 17(12), 4546. <https://doi.org/10.3390/ijerph17124546>.

Journal articles (In Process)

- **Luo, Y.**, Guo, M., & Zhang, Q. Machine Learning Approaches to Identify Social Determinants of Frailty Among Middle-Aged and Older Adults in the USA, England, and China. https://papers.ssrn.com/sol3/papers.cfm?abstract_id=4652504 (Preprint, under review in *The Journals of Gerontology, Series B: Psychological Sciences and Social Sciences*).
- **Luo, Y.**, Yip, P. S., & Zhang, Q. The beneficial impact of Internet use on the mental well-being among adults aged ≥50 years in 23 countries. <https://www.researchsquare.com/article/rs-3682539/v1> (Preprint, under review in *Nature Human Behaviour*).

Books

- Li Y, Zhang Y, Xu B, Yu N, Cao GY, Chen ZS, Huang ZT, **Luo Y**, Su HX, Yao SS. Medical Information Analysis and Clinical Decision Support. Beijing: Peking University Medical Press. 2020. ISBN: 9787565922046.

Conferences

- **Luo, Y.**, Guo, M., & Zhang, Q. (2024). Machine Learning Approaches to Identify Social Determinants of Frailty Among Middle-Aged and Older Adults in the USA, England, and China. https://agen.iafor.org/presentation/submission76897/?sf_action=get_data&sf_data=all&sfm_thestream=Frailty. *The 10th Asian Conference on Aging & Gerontology (AGen2024)*. Tokyo, Japan. March 25–29, 2024. Scholarship recipient (<https://agen.iafor.org/iafor-grant-and-scholarship-recipients-agen2024/>).
- **Luo, Y.**, Huang, Z., Xu, H., Chen, Z., Su, H., Liu, H., & Xu, B. (2021). Development and validation of multimorbidity index predicting mortality among Chinese older adults. *Innovation in Aging*, 5(Supplement_1), 609. <https://doi.org/10.1093/geroni/igab046.2319>. *The Gerontological Society of America (GSA) 2021 Annual Scientific Meeting*. Online. November 2021.
- Yang, Z., **Luo, Y.**, Chen, Z., Xu, H., & Xu, B. (2023). Joint trajectories of multimorbidity and frailty among older Americans. *Innovation in Aging*, 7(Supplement_1), 504. <https://doi.org/10.1093/geroni/igad104.1656>. *The Gerontological Society of America (GSA) 2023 Annual Scientific Meeting*. December 2023.
- Xu, H., **Luo, Y.**, Huang, Z., Chen, Z., Su, H., & Xu, B. (2021). Comparisons of Different Multimorbidity Measures to Predict Physical Function Among Middle-Aged and Older Chinese. *Innovation in Aging*, 5(Supplement_1), 544-544. <https://doi.org/10.1093/geroni/igab046.2077>. *The Gerontological Society of America (GSA) 2021 Annual Scientific Meeting*. Online. November 2021.

Awards and Honors

- The Second Prize of National Academic Scholarship, Peking University (2021-2022, 2020-2021)
- Award for Academic Excellence, Peking University (2019-2020)
- The Chugai Scholarship for Excellent Medical Students, Peking University (2018-2019)
- The Second Prize Scholarship for Excellent Medical Students (The Eisai [China] Pharmaceutical Scholarship), Peking University (2017-2018)
- Award for Contribution in Student Organizations, Peking University (2017-2018, 2018-2019)