

Qiong Chen

PhD, Associate Chief Physician

Curriculum Vitae

2025-12-25

 Department of Cancer Epidemiology, Henan Cancer Center, Affiliated Cancer Hospital of Zhengzhou University (Henan Cancer Hospital), Zhengzhou, China.

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Summary

Education

PhD Degree in Epidemiology

School of Public Health, Shanxi Medical University, China

2015 - 2018

Master Degree in Epidemiology

School of Public Health, Lanzhou University, China

2008 - 2011

Bechalar Degree in Preventive Medicine

School of Public Health, Lanzhou University, China

2003 - 2008

Work experience

Associate Chief Physician (Cancer Epidemiology)

Henan Cancer Center / Affiliated Cancer Hospital of Zhengzhou University (Henan Cancer Hospital)

2021 - Now

Key responsibilities:

- Maintenance of the data collection information system and database for Population-Based Cancer Registration(PBCR) in Henan Province.
- Develop the annual PBCR implementation plan; provide technical support for data analysis, visualization, and reporting; deliver professional training to PBCR personnel in Henan Province; and conduct quality control of lower-level cancer registries.
- Conduct descriptive epidemiological research and evaluation of cancer screening effectiveness.
- Publish and deliver the Henan Provincial Cancer Registry Annual Report.

Attending Physician (Cancer Epidemiology)

Henan Cancer Center / Henan Cancer Hospital

2014 - 2021

Visiting Scholar (Cancer Epidemiology)

School of Public Health, Yale University

2012 - 2013

Physician (Epidemiology)

Henan Cancer Hospital

2011 - 2014

Society memberships

- Member of the Medical Institution Public Health Management Branch, Chinese Preventive Medicine Association

- Young Member, Cancer Screening and Early Detection & Treatment Committee, Chinese Anti-Cancer Association
- Member, Esophageal Cancer Integrated Prevention and Screening Committee, Chinese Anti-Cancer Association
- Standing Committee Member, Cancer Prevention and Control Professional Committee, Henan Preventive Medicine Association
- Member, Young Editorial Board, Chinese Journal of Cancer Prevention and Control

Publications

Books

Henan Cancer Registry Annual Reports (2018–2024)

Role: Oversaw data verification and quality control, conducted statistical analysis and visualization, drafted reports, and managed publication with the press.

2018 - 2024

1. Wengang Yi, Shaokai Zhang, Linqi Diao, Gaofeng Ma, Yanyan Liu, **Qiong Chen**, Shuzheng Liu, Yin Liu. Henan Cancer Report, 2024[M]. Zhengzhou: Henan Science and Technology Press, 2024.
2. Wengang Yi, Shaokai Zhang, Linqi Diao, Gaofeng Ma, Hongying Shi, **Qiong Chen**, Shuzheng Liu, Yin Liu. Henan Cancer Report, 2023[M]. Zhengzhou: Henan Science and Technology Press, 2023.
3. Jiangong Zhang, Shaokai Zhang, Wanshen Guo, Yibin Hao, Linqi Diao, Hongying Shi, **Qiong Chen**, Shuzheng Liu. Henan Cancer Report, 2022[M]. Zhengzhou: Henan Science and Technology Press, 2022.
4. Jiangong Zhang, Shaokai Zhang, Wanshen Guo, Yibin Hao, Linqi Diao, Suxia Luo, **Qiong Chen**, Shuzheng Liu. Henan Cancer Report, 2021[M]. Zhengzhou: Henan Science and Technology Press, 2021.
5. Jiangong Zhang, Shaokai Zhang, Linqi Diao, Wanshen Guo, Suxia Luo, **Qiong Chen**, Shuzheng Liu. Henan Cancer Report, 2020[M]. Zhengzhou: Henan Science and Technology Press, 2020.

Research Articles

1. Fu, R., Xie, Y., Huang, H., Sun, P., Ma, X., Hu, Z., Chen, Y., Bi, X., Chen, Q., Zhang, S., Liu, Y., Qie, R., Wei, J., Chen, M., Zhong, J., Qi, Z., Yao, F., Gao, L., Yu, H., ... Zhang, Y. (2025). Network Analysis of Health Behaviours Associated With Periodontitis in Chinese Adults. *Journal of Clinical Periodontology*. <https://doi.org/10.1111/jcpe.70075>
2. Guo, L., Zheng, L., Chen, Q., Meng, Q., Wang, H., Wang, X., Liu, Y., Xu, H., Kang, R., Liu, S., & Zhang, S. (2025). Use of a risk score to identify the starting age of one-off low-dose CT for lung cancer screening in China. *Chinese Medical Journal*. <https://doi.org/10.1097/CM9.0000000000003854>
3. Qie, R., Liu, H., Liu, Y., Guo, X., Chen, Q., Xu, H., Wang, X., Wang, H., Kang, R., Cheng, C., Zhao, M., Zheng, L., Liu, S., & Zhang, S. (2026). Remnant Cholesterol, C-Reactive Protein, and Risks of Lung Cancer Morbidity and Mortality Among Women: A Prospective Cohort Study. *American Journal of Preventive Medicine*, 70(1), 108140. <https://doi.org/10.1016/j.amepre.2025.108140>
4. Liu, H., Jia, Z., Xu, H., Wang, X., Wang, H., Kang, R., Chen, Q., Guo, X., Qie, R., Zhao, M., Cheng, C., Zheng, L., Liu, S., Liu, Y., & Zhang, S. (2025). Clinical profiles and health-related quality of life changes after treatment in advanced colorectal cancer patients: a nationwide study in China. *BMC Cancer*, 25(1), 1256. <https://doi.org/10.1186/s12885-025-14713-9>
5. Guo, L.-W., Lyu, Z.-Y., Liu, Y., Meng, Q.-C., Zheng, L.-Y., Chen, Q., Xu, H.-F., Kang, R.-H., Liu, S.-Z., & Zhang, S.-K. (2025). The probability of lung cancer in patients with pulmonary nodules detected

- via low-dose computed tomography screening in China. *BMC Cancer*, 25(1), 1058. <https://doi.org/10.1186/s12885-025-14449-6>
6. Liu, Y., Guo, X., Xu, H., Wang, X., Liu, H., Wang, H., Kang, R., Chen, Q., Qie, R., Zhao, M., Cheng, C., Zheng, L., Liu, S., Qiao, Y., & Zhang, S. (2025). Cost-effectiveness of low-dose CT screening for non-smokers with a first-degree relative history of lung cancer. *BMC Public Health*, 25(1), 1783. <https://doi.org/10.1186/s12889-025-22977-w>
 7. Chen, Q., Liu, S., Liu, Y., Liu, H., Wang, H., Guo, L., Xu, H., Guo, X., Wang, X., Kang, R., Zheng, L., & Zhang, S. (2025). Lifetime risk of developing and dying from cancer in Henan Province, China: current status, temporal trends, and disparities. *Journal of the National Cancer Center*, 5(2), 140–148. <https://doi.org/10.1016/j.jncc.2024.11.005>
 8. Liu, H., Liu, Y., Zhao, Y., Ma, Y., Chen, Q., Xu, H., Wang, X., Guo, X., Wang, H., Chen, Z., Zhang, S., & Han, B. (2025). A scoping review of human genetic resources management policies and databases in high- and middle-low-income countries. *BMC Medical Ethics*, 26(1), 37. <https://doi.org/10.1186/s12910-025-01192-7>
 9. Xu, H.-F., Wang, H., Liu, Y., Wang, X.-Y., Guo, X.-L., Liu, H.-W., Kang, R.-H., Chen, Q., Liu, S.-Z., Guo, L.-W., Zheng, L.-Y., Qiao, Y.-L., & Zhang, S.-K. (2024). Baseline Performance of Ultrasound-Based Strategies in Breast Cancer Screening Among Chinese Women. *Academic Radiology*, 31(12), 4772–4779. <https://doi.org/10.1016/j.acra.2024.07.027>
 10. Guo, X., Wang, L., Wang, X., Li, D., Wang, H., Xu, H., Liu, Y., Kang, R., Chen, Q., Zheng, L., Wu, S., Guo, Z., & Zhang, S. (2024). Discovery and analysis of microplastics in human bone marrow. *Journal of Hazardous Materials*, 477, 135266. <https://doi.org/10.1016/j.jhazmat.2024.135266>
 11. Qie, R., Huang, H., Sun, P., Bi, X., Chen, Y., Liu, Z., Chen, Q., Zhang, S., Liu, Y., Wei, J., Chen, M., Zhong, J., Qi, Z., Yao, F., Gao, L., Yu, H., Liu, F., Zhao, Y., Chen, B., ... Zhang, Y. (2024). Combined healthy lifestyles and risk of depressive symptoms: A baseline survey in China. *Journal of Affective Disorders*, 363, 152–160. <https://doi.org/10.1016/j.jad.2024.07.134>
 12. Liu, Y., Xu, H., Lv, L., Wang, X., Kang, R., Guo, X., Wang, H., Zheng, L., Liu, H., Guo, L., Chen, Q., Liu, S., Qiao, Y., & Zhang, S. (2024). Risk-based lung cancer screening in heavy smokers: a benefit-harm and cost-effectiveness modeling study. *BMC Medicine*, 22(1), 73. <https://doi.org/10.1186/s12916-024-03292-4>
 13. Guo, L., Meng, Q., Zheng, L., Chen, Q., Liu, Y., Xu, H., Kang, R., Zhang, L., Liu, S., Sun, X., & Zhang, S. (2023). Lung Cancer Risk Prediction Nomogram in Nonsmoking Chinese Women: Retrospective Cross-sectional Cohort Study. *JMIR Public Health and Surveillance*, 9, e41640. <https://doi.org/10.2196/41640>
 14. Wang, X.-Y., Liu, S.-Z., Xu, H.-F., Liu, Y., Wang, H., Kang, R.-H., Chen, Q., Zhang, L.-Y., Guo, L.-W., Zheng, L.-Y., Liu, C.-Y., Wang, Y.-X., Jing, Y.-P., Qiao, Y.-L., Han, B.-B., & Zhang, S.-K. (2022). A cluster randomized controlled trial to evaluate the efficacy of esophageal and gastric cancer screening in mortality reduction in a non-high-incidence area: methodology and initial results. *Annals of Translational Medicine*, 10(18), 994. <https://doi.org/10.21037/atm-22-4052>
 15. Chen, Q., Cheng, C., Liu, Y., Guo, L., Xu, H., Wang, H., Wang, X., Zhang, L., Zhang, S., & Han, B. (2022). Incidence and mortality of gastric cancer in 2018 and their trends from 2010 to 2018 in Henan Province, China: results from a provincial population-based cancer registry. *Annals of Translational Medicine*, 10(18), 1012. <https://doi.org/10.21037/atm-22-4100>
 16. Liu, Y., Chen, Q., Guo, L.-W., Xu, H.-F., Wang, X.-Y., Kang, R.-H., Zhang, L.-Y., Wang, H., Han, B.-B., & Zhang, S.-K. (2022). Incidence and mortality of lung cancer in 2018 and the temporal trends from

- 2010 to 2018 in Henan province, China: a population-based registry study. *Annals of Translational Medicine*, 10(18), 1005. <https://doi.org/10.21037/atm-22-4029>
17. Zhang, J.-G., Xu, H.-F., Chen, Q., Zhang, L.-Y., Wang, X.-Y., Wang, H., Liu, Y., Liu, S.-Z., Guo, L.-W., Zheng, L.-Y., Wang, Y.-X., Jing, Y.-P., Liu, C.-Y., Qiao, Y.-L., Zhang, S.-K., & Han, B.-B. (2022). Time-trend of the incidence and mortality of esophageal cancer from 2010 to 2018 and its statistics in 2018 in Henan, China. *Annals of Translational Medicine*, 10(16), 899. <https://doi.org/10.21037/atm-22-4027>
 18. Zhang, J.-G., Liu, Y., Chen, Q., Xu, H.-F., Wang, X.-Y., Guo, L.-W., Kang, R.-H., Zhang, L.-Y., Wang, H., & Zhang, S.-K. (2022). Incidence and mortality of colorectal cancer in 2017 and the time-trend from 2010 to 2017 in Henan province, China: a population-based registry study. *Annals of Translational Medicine*, 10(16), 878. <https://doi.org/10.21037/atm-22-3788>
 19. Liu, Y., Guo, L.-W., Xu, H.-F., Kang, R.-H., Zheng, L.-Y., Zhang, L.-Y., Chen, Q., Sun, X.-B., Qiao, Y.-L., & Zhang, S.-K. (2022). Development and Validation of a Noninvasive Risk Score Model for Liver Cirrhosis in At-Risk Alcohol Drinkers Without HBV/HCV Infection. *Cancer Prevention Research (Philadelphia, Pa.)*, 15(11), 767–776. <https://doi.org/10.1158/1940-6207.CAPR-22-0234>
 20. Guo, L.-W., Meng, Q.-C., Zheng, L.-Y., Chen, Q., Liu, Y., Xu, H.-F., Kang, R.-H., Zhang, L.-Y., Liu, S.-Z., Sun, X.-B., & Zhang, S.-K. (2023). Special issue "The advance of solid tumor research in China": Participants with a family history of cancer have a higher participation rate in low-dose computed tomography for lung cancer screening. *International Journal of Cancer*, 152(1), 7–14. <https://doi.org/10.1002/ijc.34010>
 21. Guo, L.-W., Lyu, Z.-Y., Meng, Q.-C., Zheng, L.-Y., Chen, Q., Liu, Y., Xu, H.-F., Kang, R.-H., Zhang, L.-Y., Cao, X.-Q., Liu, S.-Z., Sun, X.-B., Zhang, J.-G., & Zhang, S.-K. (2022). Corrigendum: Construction and Validation of a Lung Cancer Risk Prediction Model for Non-Smokers in China. *Frontiers in Oncology*, 12, 871848. <https://doi.org/10.3389/fonc.2022.871848>
 22. Mendez, M. J. G., Xu, H.-F., Li, M., Xu, K.-P., Guo, L.-W., Chen, Q., Zheng, L.-Y., Chen, P.-P., Salah, D. S., Ning, Y., Zhang, S.-K., & Qiao, Y.-L. (2022). Mental Health and Associated Factors Among College Students During the COVID-19 Pandemic in China. *Asia-Pacific Journal of Public Health*, 34(4), 427–429. <https://doi.org/10.1177/10105395221074535>
 23. Guo, L.-W., Lyu, Z.-Y., Meng, Q.-C., Zheng, L.-Y., Chen, Q., Liu, Y., Xu, H.-F., Kang, R.-H., Zhang, L.-Y., Cao, X.-Q., Liu, S.-Z., Sun, X.-B., Zhang, J.-G., & Zhang, S.-K. (2021). Construction and Validation of a Lung Cancer Risk Prediction Model for Non-Smokers in China. *Frontiers in Oncology*, 11, 766939. <https://doi.org/10.3389/fonc.2021.766939>
 24. Liu, Y., Liu, J., Ma, Y., Zhang, Y., Chen, Q., Yang, X., & Shang, Y. (2022). The protective effects of Olmesartan against interleukin-29 (IL-29)-induced type 2 collagen degradation in human chondrocytes. *Bioengineered*, 13(1), 1802–1813. <https://doi.org/10.1080/21655979.2021.1997090>
 25. Guo, L.-W., Lyu, Z.-Y., Meng, Q.-C., Zheng, L.-Y., Chen, Q., Liu, Y., Xu, H.-F., Kang, R.-H., Zhang, L.-Y., Cao, X.-Q., Liu, S.-Z., Sun, X.-B., Zhang, J.-G., & Zhang, S.-K. (2022). A risk prediction model for selecting high-risk population for computed tomography lung cancer screening in China. *Lung Cancer (Amsterdam, Netherlands)*, 163, 27–34. <https://doi.org/10.1016/j.lungcan.2021.11.015>
 26. Liu, Y., Guo, L.-W., Xu, H.-F., Kang, R.-H., Zheng, L.-Y., Zhang, L.-Y., Chen, Q., Sun, X.-B., Zhang, S.-K., & Qiao, Y.-L. (2022). Risk of Liver Cirrhosis in HBV/HCV-Infected Individuals with First-Degree Relatives Who Have Liver Cancer: Development and Validation of a Simple Model. *Cancer Prevention Research (Philadelphia, Pa.)*, 15(2), 111–120. <https://doi.org/10.1158/1940-6207.CAPR-21-0220>

27. Guo, L.-W., Chen, Q., Shen, Y.-C., Meng, Q.-C., Zheng, L.-Y., Wu, Y., Cao, X.-Q., Xu, H.-F., Liu, S.-Z., Sun, X.-B., Qiao, Y.-L., & Zhang, S.-K. (2020). Evaluation of a Low-Dose Computed Tomography Lung Cancer Screening Program in Henan, China. *JAMA Network Open*, 3(11), e2019039. <https://doi.org/10.1001/jamanetworkopen.2020.19039>
28. Zhang, S.-K., Guo, Z., Wang, P., Kang, L.-N., Jia, M.-M., Wu, Z.-N., Chen, Q., Cao, X.-Q., Zhao, D.-M., Guo, P.-P., Sun, X.-B., Zhang, J.-G., & Qiao, Y.-L. (2020). The Potential Benefits of HPV E6/E7 mRNA Test in Cervical Cancer Screening in China. *Frontiers in Oncology*, 10, 533253. <https://doi.org/10.3389/fonc.2020.533253>
29. Chen, Q., Wu, W., Yang, H., Zhang, P., Feng, Y., Wang, K., Wang, Y., Wang, S., & Zhang, Y. (2020). A Vegetable Dietary Pattern Is Associated with Lowered Risk of Gestational Diabetes Mellitus in Chinese Women. *Diabetes & Metabolism Journal*, 44(6), 887–896. <https://doi.org/10.4093/dmj.2019.0138>
30. Xu, H., Mendez, M. J. G., Guo, L., Chen, Q., Zheng, L., Chen, P., Cao, X., Liu, S., Sun, X., Zhang, S., & Qiao, Y. (2020). Knowledge, Awareness, and Attitudes Relating to the COVID-19 Pandemic Among Different Populations in Central China: Cross-Sectional Survey. *Journal of Medical Internet Research*, 22(10), e22628. <https://doi.org/10.2196/22628>
31. Zhang, J., Xu, H., Zheng, L., Yu, J., Chen, Q., Cao, X., Liu, S., Gonzalez, M. J., Guo, L., Sun, X., Zhang, S., & Qiao, Y. (2020). Determinants of Participation and Detection Rate of Colorectal Cancer From a Population-Based Screening Program in China. *Frontiers in Oncology*, 10, 1173. <https://doi.org/10.3389/fonc.2020.01173>
32. Chen, Q., Liu, S.-Z., Zhang, S.-K., Cao, X.-Q., Li, B.-Y., Quan, P.-L., Guo, L.-W., Dong, L., Sun, X.-B., Zhang, Y., & Zhang, J.-G. (2020). The relative survival and cure fraction of gastric cancer estimated through flexible parametric models using data from population-based cancer registration during 2003-2012 in Linzhou, China. *Cancer Medicine*, 9(6), 2243–2251. <https://doi.org/10.1002/cam4.2831>
33. Cao, X.-Q., Cao, R.-F., Liu, S.-Z., Chen, Q., Quan, P.-L., & Luo, S.-X. (2019). Incidence and mortality of liver cancer in Henan province in 2015. *Chronic Diseases and Translational Medicine*, 5(3), 197–202. <https://doi.org/10.1016/j.cdtm.2019.08.005>
34. Guo, L., Zhang, S., Liu, S., Zheng, L., Chen, Q., Cao, X., Sun, X., Qiao, Y., & Zhang, J. (2019). Determinants of participation and detection rate of upper gastrointestinal cancer from population-based screening program in China. *Cancer Medicine*, 8(16), 7098–7107. <https://doi.org/10.1002/cam4.2578>
35. Wang, K., Chen, Q., Feng, Y., Yang, H., Wu, W., Zhang, P., Wang, Y., Ko, J., Zhao, F., Du, W., Yang, F., Han, T., Wang, S., & Zhang, Y. (2019). Single Nucleotide Polymorphisms in CDKAL1 Gene Are Associated with Risk of Gestational Diabetes Mellitus in Chinese Population. *Journal of Diabetes Research*, 2019, 3618103. <https://doi.org/10.1155/2019/3618103>
36. Chen, Q., Feng, Y., Yang, H., Wu, W., Zhang, P., Wang, K., Wang, Y., Ko, J., Shen, J., Guo, L., Zhao, F., Du, W., Ru, S., Wang, S., & Zhang, Y. (2019). A Vitamin Pattern Diet Is Associated with Decreased Risk of Gestational Diabetes Mellitus in Chinese Women: Results from a Case Control Study in Taiyuan, China. *Journal of Diabetes Research*, 2019, 5232308. <https://doi.org/10.1155/2019/5232308>
37. Guo, Z., Jia, M.-M., Chen, Q., Chen, H.-M., Chen, P.-P., Zhao, D.-M., Ren, L.-Y., Sun, X.-B., & Zhang, S.-K. (2019). Performance of Different Combination Models of High-Risk HPV Genotyping in Triaging Chinese Women With Atypical Squamous Cells of Undetermined Significance. *Frontiers in Oncology*, 9, 202. <https://doi.org/10.3389/fonc.2019.00202>

38. Zhang, S.-K., Jia, M.-M., Zhao, D.-M., Wu, Z.-N., Guo, Z., Liu, Y.-L., Guo, P.-P., Chen, Q., Cao, X.-Q., Liu, S.-Z., Chen, W., & Sun, X.-B. (2019). Evaluation of p16/Ki-67 dual staining in the detection of cervical precancer and cancer in China. *Cancer Epidemiology*, 59, 123–128. <https://doi.org/10.1016/j.canep.2018.12.013>
39. Liu, S., Chen, Q., Guo, L., Cao, X., Sun, X., Chen, W., & He, J. (2018). Incidence and mortality of lung cancer in China, 2008–2012. *Chinese Journal of Cancer Research = Chung-Kuo Yen Cheng Yen Chiu*, 30(6), 580–587. <https://doi.org/10.21147/j.issn.1000-9604.2018.06.02>
40. Chen, Q., Guo, Z., Liu, S., Quan, P., Cao, X., Guo, L., Zhang, S., & Sun, X. (2019). The cancer incidence and mortality among children and adolescents during the period of 2010–2014 in Henan Province, China. *Cancer Medicine*, 8(2), 814–823. <https://doi.org/10.1002/cam4.1952>
41. Chen, Q., Yang, H., Feng, Y., Zhang, P., Wu, W., Li, S., Thompson, B., Wang, X., Peng, T., Wang, F., Xie, B., Guo, P., Li, M., Wang, Y., Zhao, N., Wang, S., & Zhang, Y. (2018). SOS1 gene polymorphisms are associated with gestational diabetes mellitus in a Chinese population: Results from a nested case-control study in Taiyuan, China. *Diabetes & Vascular Disease Research*, 15(2), 158–161. <https://doi.org/10.1177/1479164117745260>
42. Guo, L., Liu, S., Zhang, S., Chen, Q., Zhang, M., Quan, P., & Sun, X. (2017). Human papillomavirus infection as a prognostic marker for lung adenocarcinoma: a systematic review and meta-analysis. *Oncotarget*, 8(21), 34507–34515. <https://doi.org/10.18632/oncotarget.15671>
43. Guo, L., Liu, S., Zhang, S., Chen, Q., Zhang, M., Quan, P., & Sun, X.-B. (2016). Human papillomavirus-related esophageal cancer survival: A systematic review and meta-analysis. *Medicine*, 95(46), e5318. <https://doi.org/10.1097/MD.00000000000005318>
44. Chen, Q., Yu, L., Hao, C., Wang, J., Liu, S., Zhang, M., Zhang, S., Guo, L., Quan, P., Germain, P., Zhang, Y., & Sun, X. (2016). Effectiveness evaluation of organized screening for esophageal cancer: a case-control study in Linzhou city, China. *Scientific Reports*, 6, 35707. <https://doi.org/10.1038/srep35707>
45. Liu, S., Chen, Q., Quan, P., Zhang, M., Zhang, S., Guo, L., Sun, X., & Wang, C. (2016). Cancer incidence and mortality in Henan province, 2012. *Chinese Journal of Cancer Research = Chung-Kuo Yen Cheng Yen Chiu*, 28(3), 275–285. <https://doi.org/10.21147/j.issn.1000-9604.2016.03.02>
46. Chen, Q., Yu, L., Hao, C.-Q., Wang, J.-W., Liu, S.-Z., Zhang, M., Zhang, S.-K., Guo, L.-W., Quan, P.-L., Zhao, N., Zhang, Y.-W., & Sun, X.-B. (2016). Effectiveness of endoscopic gastric cancer screening in a rural area of Linzhou, China: results from a case-control study. *Cancer Medicine*, 5(9), 2615–2622. <https://doi.org/10.1002/cam4.812>
47. Zhang, M., Li, X., Zhang, S., Chen, Q., Wang, F., Zhang, Y., Liu, S., Guo, L., Lu, J., & Sun, X. (2015). [Analysis of effect of screening of esophageal cancer in 12 cities and counties of Henan province]. *Zhonghua Yu Fang Yi Xue Za Zhi [Chinese Journal of Preventive Medicine]*, 49(10), 879–882.
48. Zhang, M., Li, X., Zhang, S., Chen, Q., Liu, S., Guo, L., Lu, J., & Sun, X. (2016). [Analysis of the efficacy of gastric cancer screening in rural population in Henan Province]. *Zhonghua Zhong Liu Za Zhi [Chinese Journal of Oncology]*, 38(1), 73–77. <https://doi.org/10.3760/cma.j.issn.0253-3766.2016.01.014>
49. Guo, L., Liu, S., Zhang, S., Chen, Q., Zhang, M., Quan, P., Lu, J., & Sun, X. (2015). [A meta-analysis of body mass index and the risk of lung cancer in the Chinese population]. *Zhonghua Yu Fang Yi Xue Za Zhi [Chinese Journal of Preventive Medicine]*, 49(7), 649–653.
50. Guo, L., Liu, S., Zhang, S., Chen, Q., Zhang, M., Quan, P., Lu, J., & Sun, X. (2015). C-reactive protein and risk of breast cancer: A systematic review and meta-analysis. *Scientific Reports*, 5, 10508. <https://doi.org/10.1038/srep10508>

51. Zhang, S.-K., Guo, L.-W., Chen, Q., Zhang, M., Liu, S.-Z., Quan, P.-L., Lu, J.-B., & Sun, X.-B. (2015). The association between human papillomavirus 16 and esophageal cancer in Chinese population: a meta-analysis. *BMC Cancer*, 15, 1096. <https://doi.org/10.1186/s12885-015-1096-1>
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54. Zhao, N., Qiu, J., Zhang, Y., He, X., Zhou, M., Li, M., Xu, X., Cui, H., Lv, L., Lin, X., Zhang, C., Zhang, H., Xu, R., Zhu, D., Lin, R., Yao, T., Su, J., Dang, Y., Han, X., ... Zhang, Y. (2015). Ambient air pollutant PM10 and risk of preterm birth in Lanzhou, China. *Environment International*, 76, 71–77. <https://doi.org/10.1016/j.envint.2014.12.009>
55. Zhang, J.-g., Liu, S.-z., Chen, Q., Quan, P.-l., Lu, J.-b., & Sun, X.-b. (2013). [Analysis of cancer incidence and mortality in Henan province, 2009]. *Zhonghua Yu Fang Yi Xue Za Zhi [Chinese Journal of Preventive Medicine]*, 47(7), 597–602.
56. Chen, Q., Zheng, T., Lan, Q., Lerro, C., Zhao, N., Qin, Q., Hu, X., Huang, H., Liang, J., Holford, T., Leaderer, B., Boyle, P., Chanock, S. J., Rothman, N., & Zhang, Y. (2013). Single-nucleotide polymorphisms in genes encoding for CC chemokines were not associated with the risk of non-Hodgkin lymphoma. *Cancer Epidemiology, Biomarkers & Prevention : a Publication of the American Association for Cancer Research, Cosponsored by the American Society of Preventive Oncology*, 22(7), 1332–1335. <https://doi.org/10.1158/1055-9965.EPI-13-0328>

Software

R packages

Population Based Cancer Registration (PBCR)

Several R packages were developed for PBCR, including *canregtools* (routine statistical analysis), *ltRISK* (lifetime cancer risk estimation), *crcheck* (internal consistency checks), and *crformats* (report formatting).

2023 - Now

1. Chen Q (2025). *ltRISK: Estimate the Lifetime Risk of Developing or Dying from Cancer*. R package version 0.1.0, <https://github.com/gigu003/ltRISK>.
2. Chen Q (2025). *crformats: Using Quarto Extensions Designed for Cancer Registry Reports*. R package version 0.1.0, <https://github.com/gigu003/crformats>.
3. Chen Q (2024). *crcheck: Checking the Validity and Internal Consistency*. R package version 0.0.1, <https://github.com/gigu003/crcheck>.
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Report writing

Packages developed to assist report writing, including *ggcanreg* (data visualization), *manuscript* (assist report writing).

2025 - Now

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Quarto extensions