

DIANQIN SUN<https://dianqinsun.com>

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National Cancer Center, Chinese Academy of Medical Sciences & Peking Union Medical College
(CAMS & PUMC), Beijing 100021, China**EDUCATION**

- 9/2019-Present
Expected 6/2022 **Peking Union Medical College, China**
MMed, Epidemiology and Health Statistics, **GPA: 4.00/4.00**
Dissertation: *“Reducing social inequalities in gastric cancer from primary prevention to cancer screening”*
- 9/2014-6/2019 **Capital Medical University, China**
BMed, Preventive Medicine, **GPA: 3.93/4.00**

GRANTS AND HONORS

- 2020 Second Class Scholarship
Peking Union Medical College
- 2019 Best Undergraduate Thesis Award
School of Public Health, Capital Medical University
- 2018 First Class Scholarship; Outstanding Student Leader
Capital Medical University
- 2017 Climate Adaptation Youth Intervention Program Grant for field research
China Youth Leaders Foundation
- 2016 First Class Scholarship; Outstanding Student
Capital Medical University
- 2015 First Prize, 32nd National Physics Competition for College Students
(agricultural, forestry, and medical students' group)
Beijing Physical Society

RESEARCH EXPERIENCE

- 9/2019-Present **National Cancer Center, CAMS & PUMC**
Graduate Student Researcher with Professor Wanqing Chen
Reducing social inequalities in gastric cancer from primary prevention to cancer screening
 - Applied causal mediation analysis to identify intervention targets for reducing social inequalities in gastric cancer
 - Evaluated the improvement in performance and equity of the gastric cancer prediction model after adding socioeconomic variables
 Cancer burden in China: trends, risk factors and prevention
 - Summarized the trend of cancer burden in China
 - Quantified the impact of change in dietary pattern on the cancer burden in China by the comparative risk assessment
- 12/2017-6/2019 **Department of Child, Adolescent Health and Maternal Care, Capital Medical University**
Research Assistant with Professor Yifei Hu

Awareness of influenza vaccination among pregnant women and their obstetricians in Beijing

- Investigated factors that might influence the willingness of pregnant women to accept influenza vaccine and the willingness of obstetricians to recommend these vaccines

Participated in the baseline survey of Beijing Child Growth and Health Cohort (PROC) Study

9/2017-6/2019

Department of Epidemiology and Health Statistics, Capital Medical University

Research Assistant with Professor Lixin Tao and Professor Ling Zhang

Cognitive and mental health in old adults

- Investigated the association between superoxide dismutase activity and risk of cognitive decline
- Examined the effect of serum 25(OH)D levels on depression in older adults using meta-analysis

The health effect of ambient air pollution

- Assessed the association between fine particulate matter exposure and the progression of arterial stiffness
- Investigated the association between ambient air pollution and mortality among children aged under 5 years using generalized additive models

RELATED PROFESSIONAL EXPERIENCE

6/2021-Present

MediecoGroup.com

Columnist

- Wrote online articles to introduce the *target trial emulation* and *time-related biases*

2/2020-9/2021

Chen Wang. *Advanced Textbook of Tobacco Medicine*. Peking Union Medical College Press, 2021

Contributor

- Reviewed literature and wrote the *Secondhand smoke and cancer* section

4/2020-6/2021

Working Group for drafting Cancer Screening Guidelines, National Cancer Center, CAMS & PUMC

Member

- Reviewed literature and drafted the *Risk and Protective Factors* section for the *Colorectal Cancer Screening Guideline of China*

7/2018-10/2018

Dongcheng District CDC, Beijing

Internship

- Conducted health education in communities and schools
- Participated in the residents' dietary survey
- Analyzed data from the HIV sentinel surveillance system

4/2017-7/2017

Beijing Anzhen Hospital, the National Clinical Research Center for Cardiovascular Diseases

Clinical Internship

- Received training in pediatric medicine, obstetrics and gynecology, internal medicine, surgery

LEADERSHIP

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- 9/2019-8/2020 **Epidemiology Student Association, CAMS & PUMC**
Executive President
- Organized and led graduate students to promote proper methods in health research at PUMC
 - Managed 10 public seminars in *Real-World Evidence*. Taught **use of DAGs in health research** in one seminar
 - Convened epidemiology students to write for the club's WeChat public account
- 10/2019-9/2020 **Department of Academics, Cancer Hospital Graduate Student Association, CAMS & PUMC**
Director
- Organized *New Student Seminars*
 - Assisted in the organization of *New Year's Gala*
- 10/2016-11/2016 **World Language Atlas program, UNESCO-TALKMATE NEXUS**
Volunteer
- Conducted user interviews and testing, performed marketing assessment, and developed advertising strategies for TALKMATE APP
 - Ranked 1st in a strategy competition among 37 teams and earned the honor *Excellent Volunteer*

CONFERENCE PAPERS

Sun D, Li H, Cao M, He S, Chen W. Dietary patterns and prostate cancer using latent class analysis. Poster presentation delivered at **Chinese Conference on Oncology**, Zhengzhou, China, November 2021.

Sun D, Lei L, Li H, Cao M, He S, Zhang Z, Guo G, Song G, Peng J, Chen W. The contribution of health behaviors to educational inequalities in gastric high-grade dysplasia and gastric cancer. Poster presentation delivered at **World Congress of Epidemiology**, virtual, Australia, September, 2021.

PUBLICATIONS

Works in Progress

Sun D, Lei L, Li H, Cao M, He S, Zhang Z, Guo G, Song G, Peng J, Chen W. The contribution of health behaviors to educational inequalities in gastric high-grade dysplasia and gastric cancer.

Sun D, Li H, Cao M, He S, Xia C, Yu Y, Li N, Chen W. The dietary transition and its impact on the cancer burden in China: a comparative risk assessment.

Peer-reviewed Research Articles (*equal effort)

Sun D, Liu Y, Zhang J, Liu J, Wu Z, Liu M, Li X, Guo X, Tao L. Long-term effects of fine particulate matter exposure on the progression of arterial stiffness. *Environmental Health*. 2021;20(1):2.

Sun D, Cao M, Li H, Ren J, Shi J, Li N, Chen W. Risk of prostate cancer in men with HIV/AIDS: a systematic review and meta-analysis. *Prostate Cancer and Prostatic Diseases*. 2021;24(1):24-34.

Sun D, Cao M, Li H, He S, Chen W. Cancer burden and trends in China: a review and comparison with Japan and South Korea. *Chinese Journal of Cancer Research*. 2020;32(2):129-139.

Li H*, **Sun D***, Wang A, Pan H, Feng W, Ng C H, Ungvari G S, Tao L, Li X, Wang W, Xiang Y T, Dianqin Sun, pg.3

Guo X. Serum 25-hydroxyvitamin D levels and depression in older adults: a dose-response meta-analysis of prospective cohort studies. *American Journal of Geriatric Psychiatry*. 2019;27(11):1192-1202.

Wang J*, **Sun D***, Abudusaimaiti X, Vermund SH, Li D, Hu Y. Low awareness of influenza vaccination among pregnant women and their obstetricians: a population-based survey in Beijing, China. *Human Vaccines & Immunotherapeutics*. 2019;15(11):2637-2643.

Sun D, Sun X, Xu Y, Wu T, Tao L. Superoxide dismutase activity and risk of cognitive decline in older adults: findings from the Chinese Longitudinal Healthy Longevity Survey. *Experimental Gerontology*. 2019;118:72-77.

Wang J*, Cao H*, **Sun D**, Qi Z, Guo C, Peng W, Sun Y, Xie Y, Liu X, Li B, Luo Y, Pan Y, Li Y, Zhang L. Associations between ambient air pollution and mortality from all causes, pneumonia, and congenital heart diseases among children aged under 5 years in Beijing, China: a population-based time series study. *Environmental Research*. 2019;176:108531.

Chen W*, Li H*, Ren J, Zheng R, Shi J, Li J, Cao M, **Sun D**, He S, Sun X, Cao X, Feng S, Zhou J, Luo P, Zha Z, Jia S, Wang J, Ma H, Zeng H, Canfell K, He J. Selection of high-risk individuals for esophageal cancer screening: a prediction model of esophageal squamous cell carcinoma based on a multicenter screening cohort in rural China. *International Journal of Cancer*. 2021;148(2):329-339.

Chen W*, Li H*, Zheng R, Ren J, Shi J, Cao M, **Sun D**, Sun X, Cao X, Zhou J, Luo P, Wang J, Ma H, Shao T, Zhao C, He S, Sun D, Xu Y, Wu P, Zeng H, Li J, He J. An initial screening strategy based on epidemiologic information in esophageal cancer screening: a prospective evaluation in a community-based cancer screening cohort in rural China. *Gastrointestinal Endoscopy*. 2021;93(1):110-118.e112.

Cao M, Li H, **Sun D**, Lei L, Ren J, Shi J, Li N, Peng J, Chen W. Classifying risk level of gastric cancer: evaluation of questionnaire-based prediction model. *Chinese Journal of Cancer Research*. 2020;32(5):605-613.

Li H, Zeng H, Zheng R, Zou X, Cao M, **Sun D**, Zhou J, Luo P, Jia S, Zha Z, Wang J, Ma H, Sun X, Cao X, Feng S, Fan L, Shi J, Chen W. Association of cancer awareness levels with the risk of cancer in rural China: a population-based cohort study. *Cancer*. 2020;126(20):4563-4571.

Reviews, Commentaries and Other Publications

Sun D, Li H, Cao M, He S, Lei L, Peng J, Chen W. Cancer burden in China: trends, risk factors and prevention. *Cancer Biology & Medicine*. 2020;17(4):879-895.

Cao M, Li H, **Sun D**, Chen W. Cancer burden of major cancers in China: a need for sustainable actions. *Cancer Communications*. 2020;40(5):205-210.

Cao M, Li H, **Sun D**, He S, Yu Y, Li J, Chen H, Shi J, Ren J, Li N, Chen W. Cancer screening in China: The current status, challenges, and suggestions. *Cancer Letters*. 2021;506:120-127.