

主管

国家卫生健康委员会  
北京市西城区西直门外南路1号,  
100044

主办

中华预防医学会  
北京市朝阳区潘家园华威里25号,  
100021  
四川大学华西公共卫生学院  
成都市人民南路三段16号,610041

编辑

《现代预防医学》杂志编辑委员会

名誉主编

戴志澄 詹承烈 倪宗瓚 张朝武  
马 骁

主编

张 本

常务副主编

裴晓方

编辑部主任

王国庆

出版

《现代预防医学》编辑部  
成都市人民南路三段17号,610041  
电话:(028)85502771,85503354

印刷

成都市富生实业有限公司

发行范围

国内外公开发行

发行

国内:四川省报刊发行局  
国外:中国国际图书贸易总公司  
北京海淀区车公庄西路35号,  
100044

刊代号:6819(MQ)

订购

全国各地邮局 邮发代号 62-183

定价

每期 15.00 元 全年 360.00 元

中国标准连续出版物号

ISSN 1003-8507

CN 51-1365/R

CODEN XYYIFS

2021 年本刊版权归中华预防医学会和  
四川大学华西公共卫生学院所有

本刊刊出的所有文章不代表中华  
预防医学会和本刊编委会的观点,除非  
特别声明。如有印装质量问题,请向本  
刊编辑部调换。

# 目次

## 标准·规范·指南

- 出生队列技术规范 第1部分:现场调查 ..... 中华预防医学会(769)  
出生队列技术规范 第2部分:长期随访 ..... 中华预防医学会(772)  
出生队列技术规范 第3部分:成员信息系统 ..... 中华预防医学会(774)

## 流行病与统计方法

- COVID-19 疫情给其它传染病防治带来的挑战与机遇 ..... 徐健(777)  
2005—2019 年贵州省伤寒副伤寒暴发疫情特征分析  
..... 胡灿,姚光海,黄艳萍,等(781)  
2017—2019 年广州市糖尿病早死概率及疾病负担分析  
..... 袁晓霞,钟艾霖,周尚成,等(784)  
云南省 2009—2019 年手足口病流行特征及病原学特征分析  
..... 杨溪,姜黎黎,曹亿会,等(789)  
2015—2019 年海南省食源性疾病病例监测结果分析  
..... 王吉晓,马永忠,吴忠慧,等(793)  
2019 年郑州市严重精神障碍的流行病学特征分析  
..... 阎秀芳,张宝琴,欧玉军,等(799)

## 环境与职业卫生

- 贵州省城镇化发展水平对居民健康状况的多因素分析  
..... 赵否曦,刘涛(802)

## 营养与食品卫生

- 铝的毒性作用研究进展 ..... 刘佳喜,张立丰(806)

## 儿少卫生与妇幼保健

- 北京市通州区 1 889 例孕妇睡眠障碍及其相关影响因素研究  
..... 张笑童,刘珏,韩娜,等(810)

- 昆明市已婚育龄人群的生育意愿及其影响因素研究 ..... 吴梦瑶,林丽珊,蔡长伟,等(815)
- 儿童期体重状态及其变化与血压偏高发生风险的关系 ..... 范晖,康利,刘宇丹(819)
- 孕早期邻苯二甲酸酯暴露对胎停育的影响研究 ..... 刘莎,贺娟娟,常可为,等(824)
- 孕妇社会资本量表的修订及信效度检验 ..... 罗红,朱华云,刘红,等(829)
- 北京市丰台区幼儿园儿童视屏时间现状及影响因素分析 ..... 刘辉,赵艳芳,邵歌,等(833)

### 基层卫生服务

- 城镇基本医保制度下高血压患者疾病直接经济负担及影响因素分析 ..... 李湘君,卞琦娟,史革,等(836)
- 深度贫困地区乡镇卫生院医疗服务能力现状研究——以凉山彝族自治州为例  
..... 张琳洁,董潇杨,顾冬红,等(841)
- 基本医疗保险对我国老年人住院服务利用的影响..... 程雨,谢春,吴敬杰(845)
- 区域协同背景下的四川省基层医疗卫生机构资源配置效率分析 ..... 姚魏紫,张雅莉,蒲星月,等(849)
- 基层视角下紧密型医联体满意度及现存问题分析——以“华西-成华城市区域医疗服务联盟”为例  
..... 和靖,乔牧天,彭立蓉,等(854)

### 卫生政策与管理

- 2013—2017年我国护理人力资源配置现状及公平性研究 ..... 杨展,李宁秀(858)
- 2013—2018年四川省疾控机构卫生人力资源配置现状及公平性分析..... 胡晗,江世英,梁鑫鑫(862)
- 广西医疗卫生资源配置公平性与效率研究 ..... 闻荻,郑玉婷,赵邦(867)
- 四川省医疗卫生行业组织职能履行现状分析 ..... 李则颖,顾冬红,屈伟,等(872)

### 健康与社会行为

- 社会参与在认知功能与老年抑郁关系中的调节作用 ..... 张彧,张丽(876)
- 后新冠疫情时代对公众健康素养教育的思考——基于一项疫情期间的横断面调查和结构方程模型分析  
..... 许彬,田路路,苗蕴琪,等(880)
- 基于计步器的运动测量在慢性病患者中的应用进展 ..... 张秋实,张晓夏,徐晖,等(884)
- 基于手机应用软件的健康教育对女大学生HPV疫苗的认知和接种意愿的干预效果评价  
..... 张希,严诗钰,孙莉颖,等(888)
- 健康管理高血压患者血压控制及影响因素分析 ..... 田海艳,江航宇,张容,等(893)

承德市养老院老年人群孤独感、人际信任现状调查及预测受骗可能性的价值研究

..... 张荣,佟颖,薛翠翠,等(897)

珠海市大学生预防艾滋病健康教育意愿及需求调查 ..... 周毅,严瑶,代文灿,等(902)

贵阳高校新生健康生活方式与生命质量的关系 ..... 曹友琴,荣冬芸,赵晓宁,等(907)

## 实验技术及其应用

LncRNA NEAT1 抑制女性滋养层细胞增殖的研究 ..... 谢嘉渝,马成龙,赵靖嵩,等(911)

鼠伤寒沙门氏菌 *yejE* 基因缺失对沙门氏菌囊泡结构完整性的影响 ..... 李瑞,肖金雨,娄莉萍,等(916)

南宁市 37 例登革病毒 1 型 E 基因系统进化分析 ..... 王亮,秦剑秋,尹刘江,等(921)

2018 年济南市 14 株柯萨奇病毒 A 组 6 型 VP1 基因特征分析 ..... 赵怀龙,王春荣,杨国樑,等(925)

## 疾病预防控制

2014—2019 年成都市在管严重精神障碍患者死亡现状及减寿分析 ..... 胡莹怡,郭易,代光智,等(930)

我国中老年慢性病患者自评健康状况及影响因素研究——基于个人-家庭-社会视角  
..... 李宛霖,赵创艺,杨媛,等(935)

COVID-19 无症状感染者的转归及临床特征分析 ..... 郑祥德,曾凡伟,曾凡新,等(940)

## 卫生监督

生活饮用水铊短期超标的风险评估探讨 ..... 韩嘉艺,叶必雄,张振伟,等(944)

## 临床与预防

癌症患者矢志综合征的研究进展 ..... 康腾腾,杨艳艳,蒋秋焕,等(948)

2010—2019 年黔南州头颈部恶性肿瘤患者临床流行病学特征及流行病学趋势分析  
..... 张承宁,李婷婷,胡德馨,等(952)

术前预康复对全髋关节置换术后功能锻炼及运动耐力的影响 ..... 朱亮,刘莉,张建梅,等(957)

---

本期责任编辑 张韬 Executive Editor ZHANG Tao 英文编辑 赵星 English Editor ZHAO Xing

校对 陈恒 Proofreader CHEN Heng

助理编辑 谢瑶 张玲 Associate Editor XIE Yao ZHANG Ling

总编辑 王国庆 Chief Editor WANG Guo-qing

期刊基本参数:CN51-1365/R \* 1974 \* s \* 16 \* 192 \* zh + en \* P \* ¥ 15.00 \* 8000 \* 45 \* 2021-5

E-mail:mpmbjb@163.com

在线办公系统网址:http://www.xdyfyx.com

**Responsible Institution**

National Health Commission of the People's Republic of China

**Sponsor**

Chinese Preventive Medicine Association 25, Warwick, PanJiaYuan, ChaoYang Distict, Beijing 100021, P. R. China  
West China School of Public Health Sichuan University 16, Section 3, Renmin Nanlu, Chengdu 610041, P. R. China

**Editing**

Editorial Board of Modern Preventive Medicine

**Honorary Editor-in-Chief**

DAI Zhi-cheng, ZHAN Cheng-lie, NI Zong-zan, ZHANG Chao-wu, MA Xiao

**President and editor-in-chief**

ZHANG Ben

**Vice president**

PEI Xiao-fang

**Editorial office director**

WANG Guo-qing

**Publishing**

Magazine House of Modern Preventive Medicine 17, Section 3, Renmin Nanlu, Chengdu 610041  
Tel: (028)85502771 85503354

**Printing**

Chengdu Fusheng Print Co., Ltd

**Overseas Distributor**

China International Book Trading Corporation 35 Chegongzhuang Xilu, Haidian, Beijing 100044, P. R. China

**Mail-order**

Editorial Department of Modern Preventive Medicine 17, Section 3, Renmin Nanlu, Chengdu 610041, P. R. China  
Tel: (028)85502771 85503354

**CSSN**

ISSN 1003-8507  
CN 51-1365/R  
CODEN XYYIFS

Printed on acid-free paper; effective with Volume 48, Issue 5, 2021.

Copyright © 2021 by Chinese Preventive Medical Association, West China School of Public Health Sichuan University

# CONTENTS IN BRIEF

## Standard · Norm · Guide

### Birth Cohort Technical Specification Part 1: Field Survey

..... Chinese Preventive Medicine Association(769)

### Birth Cohort Technical Specification Part 2: Long Term Follow-up

..... Chinese Preventive Medicine Association(772)

### Birth Cohort Technical Specification Part 3: Participants Information System

..... Chinese Preventive Medicine Association(774)

## Epidemiology and Statistical Methods Advances

Challenges and opportunities presented by the COVID-19 epidemic to other infectious diseases ..... XU Jian(777)

Analysis of outbreak characteristics of typhoid and paratyphoid fever in Guizhou, 2005—2019

..... HU Can, YAO Guang-hai, HUANG Yan-ping, et al(781)

Analysis of diabetes death, probability of premature mortality and burden of disease in Guangzhou, 2017—2019

..... YUAN Xiao-xia, ZHONG Ai-lin, ZHOU Shang-cheng, (784)

Epidemiological and etiological characteristics of hand foot mouth disease in Yunnan Province, 2009—2019

..... YANG Xi, JIANG Li-li, CAO Yi-hui, et al(789)

Foodborne disease surveillance results in Hainan, 2015—2019

..... WANG Ji-xiao, MA Yong-zhong, WU Zhong-hui, et al(793)

Epidemiological features of patients with severe mental disorders of Zhengzhou, 2019

..... YAN Xiu-fang, ZHANG Bao-qin, OU Yu-jun, et al(799)

## Nutrition and Food Hygiene

Multivariate analysis between urbanization development and residents' health status, Guizhou ..... ZHAO Fou-xi, LIU Tao(802)

## **Environmental and Occupational Health**

**Research progress on toxicity of aluminum** ..... LIU Jia - xi, ZHANG Li - feng(806)

## **Child and Adolescent health, Maternal and Child Health**

**Prevalence of sleep disorders in 1 889 women and its related risk factors in Tongzhou district of Beijing**  
..... ZHANG Xiao - tong, LIU Jue, HAN Na, et al(810)

**The fertility intentions of married people of childbearing age in Kunming and its influencing factors**  
..... WU Meng - yao, LIN Li - shan, CAI Chang - wei, et al(815)

**Childhood weight status, its change and risk of elevated blood pressure**  
..... FAN Hui, KANG Li, LIU Yu - dan(819)

**Study on the effect of phthalates exposure in early pregnancy on missed abortion**  
..... LIU Sha, HE Juan - juan, CHANG Ke - wei, et al(824)

**The adaptation and the test of reliability and validity for Chinese version of Social Capital Assessment Tool for Maternal Health (SCAT - MH) among pregnancy women**  
..... LUO Hong, ZHU Hua - yun, LIU Hong, et al(829)

**Screen time status and risk factors analysis among kindergarten children in Fengtai district, Beijing**  
..... LIU Hui, ZHAO Yan - fang, SHAO Ge, et al(833)

## **Primary Health Services**

**Disease economic burden and influencing factors among urban hypertensive patients under the urban basic medical insurance system** ..... LI Xiang - jun, BIAN Qi - juan, SHI Ping, et al(836)

**Research on the current situation of medical service capacity of township hospitals in severely impoverished areas - taking Liangshan Yi Autonomous Prefecture as an example**

..... ZHANG Lin - jie, DONG Xiao - yang, GU Dong - hong, et al(841)

**The influence of basic medical insurance on the utilization of inpatient services for the elderly**  
..... CHENG Yu, XIE Chun, WU Jing - jie(845)

**Analysis of resource allocation efficiency of Sichuan primary medical and health institution under the background of regional cooperation** ..... YAO Wei - zi, ZHANG Ya - li, PU Xing - yue, et al(849)

**Satisfaction and existing problems of the integrated medical association from the basic perspective: a case study on "Huaxi - Chenghua Urban Regional Medical Service Alliance"**  
..... HE Jing, QIAO Mu - tian, PENG Li - rong, et al(854)

## **Health Policy and Management**

**Research on the equity of the nursing human resource allocation in China, 2013 - 2017**  
..... YANG Zhan, LI Ning - xiu(858)

**Current status and allocation equity of human resources of disease prevention and control institutions in Sichuan, 2013—2018** ..... HU Han, JIANG Shi - ying, LIANG Xin - xin(862)

**Research on the equity and efficiency of Guangxi medical and health resources allocation**  
..... WEN Di, ZHENG Yu - ting, ZHAO Bang(867)

(下转封三)

**Function performance of health care professional organizations, Sichuan**

..... LI Ze - ying, GU Dong - hong, QU Wei, et al(872)

**Health and Social Behavior**

**Regulative effect of social participation on cognitive function and elderly depression**

..... Zhang Yu, Zhang Li(876)

**Reflections on health literacy education in post - epidemic era of COVID - 19 : a cross - sectional survey and structural equation modeling**

..... XU Bin, TIAN Lu - lu, MIAO Yun - qi, et al(880)

**A review of pedometer - based motion measurement among patients with chronic disease**

..... ZHANG Qiu - shi, ZHANG Xiao - xia, XU Hui, et al(884)

**The utility of mobile phone - based intervention in promoting awareness and willingness to uptake human papillomavirus vaccine among female college students**

..... ZHANG Xi, YAN Shi - yu, SUN Li - ying, et al(888)

**Analysis on the effect and influencing factors of blood pressure control in hypertensive patients with community health management**

..... TIAN Hai - yan, GANG Hang - yu, ZHANG Rong, et al(893)

**The status quo of loneliness and interpersonal trust among the elderly in Chengde nursing homes and value research of predicting**

**the possibility of being deceived** ..... ZHANG Rong, TONG Ying, XUE Cui - cui, et al(897)

**Willingness and demands for AIDS - related health education among college students in Zhuhai**

..... ZHOU Yi, YAN Yao, DAI Wen - can, et al(902)

**Relationship between healthy lifestyle and quality of life among college freshmen, Guiyang**

..... CAO You - qin, RONG Dong - yun, ZHAO Xiao - ning, et al(907)

**Experimental Technology and Applications**

**LncRNA NEAT1 inhibits the proliferation of female trophoblast cells**

..... XIE Jia - yu, MA Cheng - long, ZHAO Jing - song, et al(911)

**Effect of *yejE* gene of *Salmonella typhimurium* on the integrity of *Salmonella* - containing vacuole**

..... LI Rui, XIAO Jin - yu, LOU Li - ping, et al(916)

**Phylogenetic analysis on the E gene of 37 DENV-I virus in Nanning**

..... WANG Liang, QIN Jian - qiu, YIN Liu - jiang, et al(921)

**Characteristics of VP1 gene in 14 coxsackievirus A6 stains in Jinan, 2018**

..... ZHAO Huai - long, WANG Chun - rong, YANG Guo - liang, et al(925)

**Disease Control and Prevention**

**Analysis of mortality and life loss in patients with severe mental disorders**

**managed in Chengdu, 2014—2019** ..... HU Xuan - yi, GUO Yi, DAI Guang - zhi, et al(930)

**A study on the the health status and influencing factors of middle - aged and elderly patients with chronic diseases based on the individual - family - social perspective**

..... LI Wan - lin, ZHAO Chuang - yi, YANG Yuan, et al(935)

The outcome and clinical characteristics of asymptomatic COVID-19 infected persons .....  
..... ZHENG Xiang-de, ZENG Fan-wei, ZENG Fan-xin, et al(940)

## Health Supervision

Risk assessment of short-term excessive Thallium contamination in drinking water  
..... HAN Jia-yi, YE Bi-xiong, ZHANG Zhen-wei, et al(944)

## Clinical Medicine and Prevention

Research progress of cancer patients with demoralization syndrome  
..... KANG Teng-teng, YANG Yan-yan, JIANG Qiu-huan, et al(948)

Clinical features and epidemiological trend of head and neck cancer in Qiannan area of Guizhou province,  
2010—2019 ..... ZHANG Cheng-ning, LI Ting-ting, HU De-xing, et al(952)

Effect of preoperative rehabilitation on functional exercise and sports endurance after total hip arthroplasty  
..... ZHU Liang, LIU Li, ZHANG Jian-mei, et al(957)

# 欢迎订阅 2021 年现代预防医学

ISSN 1003-8507 CN 51-1365/R 邮发代号: 62-183

中国中文核心期刊 中国科技核心期刊

2020 年度中国精品科技期刊

中华预防医学会系列杂志优秀期刊

主管单位: 国家卫生健康委员会

主办单位: 中华预防医学会及四川大学华西公共卫生学院

现代预防医学杂志一贯坚持理论联系实际的办刊宗旨, 注重交流报道国内外预防医学新动向、新成果、新理论、新方法; 充分体现期刊的学术导向, 刊登国家及省部级重点攻关课题论文、著述等, 同时兼顾普及, 重点报道预防医学科研工作中的研究成果、经验交流及信息荟萃。欢迎广大医学科研人员踊跃订阅, 积极投稿!

本刊为半月刊, 每期 15 元, 全年 360 元, 全国各地邮局可订, 也可直接联系编辑部订阅。

地址: 成都市人民南路三段 16 号, 邮编: 610041

电话: (028)85503354

网址: <http://www.xdyfyx.com>