

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

流行病与统计方法

- 基于倾向得分匹配的老年人接种流感疫苗对流感就诊的保护效果研究
..... 孙承媛,王玫,蒋梦巧,等(1)
- ARIMA - LSTM - XGBoost 加权组合模型在肺结核发病趋势预测的研究
..... 赖晓莹,钱俊(5)
- 21 世纪三种冠状病毒病的流行特征与治疗进展 徐燮阳,安利伟(10)
- 2012 - 2019 年南昌市急性弛缓性麻痹 (AFP) 病例流行病学分析及风险评估
..... 文海蓉,许波,彭时辉,等(14)

环境与职业卫生

- 绿色空间暴露的人群健康效应研究进展 黄子浩,班婕,高祥伟,等(19)
- 2019 年淄博市城区大气 PM_{2.5} 污染状况及来源解析
..... 刘晓利,王丹,孟超,等(23)
- 我国护士职业获益感影响因素的 Meta 分析 孙丽媛,梁小荣(27)
- 陕西省部分地区人群血和尿中镍、锡、铈、铊的水平分析
..... 贾茹,丁勇,孟昭伟(33)
- 新冠肺炎疫情下医务人员压力、焦虑、抑郁状况及影响因素研究
..... 张宴萍,褚连芳,庄开岑,等(38)

营养与食品卫生

- 2019 年四川省 5 岁以下儿童营养状况分析 ... 罗敏,赵梓伶,何琳坤,等(44)
- 山东省餐饮单位菜品食盐含量的评估 任杰,陈先献,徐建伟,等(47)
- 重庆市部分区县 6 ~ 17 岁儿童青少年维生素 D 营养状况及相关因素分析
..... 陈京蓉,赵怡楠,张洁,等(50)
- 陕西主要食品中砷污染及居民膳食暴露风险评估
..... 袁文婷,刘宇,程国霞,等(55)
- 2 型糖尿病患者膳食质量与血糖控制的相关性研究 季小梅,谢虹(59)

儿少卫生与妇幼保健

- 广西地区低出生体重儿危险因素分析 刘敏雪,付春云,马刚,等(63)
- 上海市儿童青少年2015—2018年健康体能变化情况分析 严宇珺,严运楼(67)
- 2014—2018年济南市522 437例围产儿出生缺陷发生情况分析 姜红,杨士敏,潘佳雪,等(74)
- 婴幼儿缺铁性贫血对认知功能的影响及干预研究 王浩,严双琴,陶芳标(78)
- 学龄前儿童生活方式对情绪与行为问题影响的研究 陈秋,于伟平,陈瑞美,等(82)

基层卫生服务

- 社区日间照料中心老年人智能手机使用情况与手机依赖、孤独感的关系研究 万志超,贺斌,何雪玲,等(86)
- 河南省医养机构工作人员长期从业意愿及影响因素分析 曹蒙,黄金玉,郭晴,等(90)

卫生政策与管理

- 基于全民健康体检探讨新疆地区基本公共卫生服务中0~6岁儿童贫血预警现状分析
..... 孜克娅·乃吉木,木日扎提·买买提,麦尔哈巴·如则,等(94)
- 广州市新型冠状病毒肺炎病例主动筛查的成本效果评价 黄勇,倪莉红,陈远源,等(97)
- 儿童预防接种门诊疑似预防接种异常反应监测主动干预模式效果评价 刘世科,王帆,章海斌,等(101)

健康与社会行为

- 徐州市区老年人家庭病床服务的需求意愿及影响因素分析 覃朝晖,刘莎,卢亚娟,等(105)
- C5.0决策树模型在严重精神障碍患者服药依从性预测中的探讨 郭正军,宋景贵,王静,等(110)
- HIV/AIDS患者孤独感和疲劳的相关性研究 万彬,赵霞,刘春梅,等(114)
- 高强度间歇训练对中老年2型糖尿病患者干预效果的meta分析 刘云龙,李金锁(118)
- 成都市某区居民健康素养水平及影响因素分析 唐嘉阳,任宇,杨晓虹,等(123)

实验技术及其应用

- 新型冠状病毒RT-LAMP检测方法的建立 周杨,万强,蔡芷荷,等(128)
- 一起输入型食源性疾病病原的实验室快速检测及分子溯源分析 石一,武颂文,刘永杰,等(135)
- 冬凌草甲素抑制人卵巢癌细胞恶性行为及机制研究 刘艺,郭金兴(139)
- 固相萃取-气相色谱-串联质谱内标法测定一次性食品用纸制品中五氯酚残留 杨长晓,张坤,钟海洋(144)
- 石蒜碱通过Mek/Erk信号通路诱导自噬抑制肝癌细胞增殖 李先佳,任丽平,金少举,等(148)

疾病预防控制

- 2017—2018年南昌市城区流感病例经济负担和影响因素分析·····涂正波,万刚凤,肖红茂(152)
- 动物冠状病毒感染特征与跨种传播研究进展·····李晶晶,范紫玮,何方婷,等(157)
- b型和不可分型流感嗜血杆菌疫苗的研究进展·····赵颖,陈蕊,安晶,等(161)
- “One Health”和我国布鲁氏菌病防控·····章文强,栾荣生(166)
- 2014—2019年日照市居民恶性肿瘤疾病负担分析·····杨传志,宋传锋,刘普亮,等(170)

卫生监督

- 山东省市售蜂蜜中氯霉素和甲硝唑监测及风险评估分析·····邢燕,王敏,高慧,等(174)

临床与预防

- 母体单纯亚临床甲状腺功能减退与学龄前儿童情绪和行为发育关联的队列研究
·····刘子健,谢晶晶,严双琴,等(178)
- 2型糖尿病与阿尔兹海默病相关性的研究进展·····汪睿彤,刘珏(182)
- 陪检方式在胸痛患者诊疗过程中效果评价·····周明元,睢胜勇(186)

人才培养

- 聚焦实践能力“四位一体”的卫检人才培养模式改革·····韩丹丹,韩晔红,杨春柳,等(190)

读者·作者·编者

- 欢迎订阅2021年现代预防医学·····(77)
- 温馨提示·····(100)
- 作者修稿注意事项·····(122)
- 优先征集国家、省部级基金项目及重点攻关项目论文启事·····(127)
- 声明·····(134)
- 本刊对统计学符号的要求·····(169)

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 * 44 * 2021-1

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 1, 2021.

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

CONTENTS IN BRIEF

Epidemiology and Statistical Methods Advances

Influenza vaccine effectiveness against influenza – related outpatient and inpatient visits among the elderly based on propensity score matching

..... SUN Cheng – yuan, WANG Mei, JIANG Meng – qiao, et al(1)

ARIMA – LSTM – XGBoost weighted combination model in prediction of tuberculosis incidence trend

LAI Xiao – ying, QIAN Jun(5)

Epidemiological characteristics and treatment progress of three coronavirus diseases in the 21st century

XU Xie – yang, AN Li – wei(10)

Epidemiological analysis and risk assessment of acute flaccid paralysis (AFP) cases in Nanchang City, 2012 – 2019

..... WEN Hai – rong, XU Bo, PENG Shi – hui, et al(14)

Nutrition and Food Hygiene

Advances in green space exposure associated public health effects

..... HUANG Zi – hao, BAN Jie, GAO Xiang – wei, et al(19)

Pollution status and source analysis of PM_{2.5} in Zibo City, 2019

..... LIU Xiao – li, WANG Dan, MENG Chao, et al(23)

Main influencing factors of occupational benefit for Chinese nurses: a Meta – analysis

SUN Li – yuan, LIANG Xiao – rong(27)

Concentration levels of nickel, stannum, antimony and thallium in blood and urine of people in some areas, Shaanxi

..... JIA Ru, DING Yong, MENG Zhao – wei(33)

Stress, anxiety, depression and relevant factors of health staff during COVID – 19 epidemic period

..... ZHANG Yan – ping, CHU Lian – fang, ZHUANG Kai – cen, et al(38)

Environmental and Occupational Health

Nutritional status of children under 5 years old in Sichuan, 2019

..... LUO Min, ZHAO Zi – ling, HE Lin – kun, et al(44)

The content of salt of commercial dishes in 33 catering units, Shandong

..... REN Jie, CHEN Xian – xian, XU Jian – wei, et al(47)

Vitamin D status of children and adolescents aged 6 – 17 and its influence factors in some districts and counties, Chongqing

..... CHEN Jing – rong, ZHAO Yi – nan, ZHANG Jie, et al(50)

Arsenic pollution in main foods in Shaanxi and risk assessment of residents' dietary exposure

..... YUAN Wen - ting, LIU Yu, CHENG Guo - xia, et al(55)

Diet quality and glycemic control in patients with type 2 diabetes JI Xiao - mei, XIE Hong(59)

Child and Adolescent health, Maternal and Child Health

Risk factors analysis for low - birth - weight infants, Guangxi area

..... LIU Min - xue, FU Chun - yun, MA Gang, et al(63)

Changes of health and physical fitness of children and adolescents in Shanghai, 2015 - 2018

..... YAN Yu - jun, YAN Yun - lou(67)

Analysis of birth defects in 522 437 perinatal infants in Jinan, 2014 - 2018

..... JIANG Hong, YANG Shi - min, PAN Jia - xue, et al(74)

Influence of infant with iron deficiency anemia on cognitive function and its intervention study

..... WANG Hao, YAN Shuang - qin, TAO Fang - biao(78)

The influence of preschool children's lifestyle on emotional and behavioral problems

..... CHEN Qiu, YU Wei - ping, CHEN Rui - mei, et al(82)

Primary Health Services

The relationship among smartphone use, phone dependence and loneliness of the elderly in community day care centers WAN Zhi - chao, HE Bin, HE Xue - ling, et al(86)

The long - term employment intention and influencing factors of the staff of medical and nursing institutions, Henan CAO Meng, HUANG Jin - yu, GUO Qing, et al(90)

Health Policy and Management

Anemia early warning status of children aged 0 - 6 in basic public health services in Xinjiang based on national health examination Zikeya · Najimu, Murizhati · Maimaiti, Maierhaba · Ruze, et al(94)

Cost effectiveness evaluation of COVID - 19 active screening strategies, Guangzhou

..... HUANG Yong, NI Li - hong, CHEN Yuan - yuan, et al(97)

Evaluation on the effect of active intervention model for monitoring suspected abnormal vaccination response in children's vaccination clinic LIU Shi - ke, WANG Fan, ZHANG Hai - bin, et al(101)

Health and Social Behavior

The demand willingness and influencing factors of the family care bed service for the elderly, Xuzhou City QIN Zhao - hui, LIU Sha, LU Ya - juan, et al(105)

The influence factors of drug compliance among serious mental patients based on the model of C5.0 decision tree GUO Zheng - jun, SONG Jing - gui, WANG Jing, et al(110)

Correlation between loneliness and fatigue in HIV/AIDS patients

..... WAN Bin, ZHAO Xia, LIU Chun - mei, et al(114)

Meta - analysis of the intervention effect of high intensity interval training on type 2 diabetes in middle - aged and elderly patients LIU Yun - long, LI Jin - suo(118)

The level of health literacy and its influencing factors among residents in a district of Chengdu

..... TANG Jia - yang, REN Yu, YANG Xiao - hong, et al(123)

Experimental Technology and Applications

- Establishment of RT – LAMP method for detection of Severe Acute Respiratory Syndrome Coronavirus 2**
..... ZHOU Yang, WAN Qiang, CAI Zhi – he, et al(128)
- Rapid laboratory pathogen detection and molecular tracing analysis of an imported foodborne disease**
..... SHI Yi, WU Song – wen, LIU Yong – jie, et al(135)
- Effect and mechanism of oridonin on malignant behavior of human ovarian cancer**
..... LIU Yi, GUO Jin – xing(139)
- Determination of residual pentachlorophenol in disposable paper products for food by solid phase extraction – gas chromatography – tandem mass spectrometry internal standard method**
..... YANG Chang – xiao, ZHANG Kun, ZHONG Hai – yang(144)
- Lycoline induces autophagy and inhibits Hepatic carcinoma cell proliferation through Mek/Erk signaling pathway** LI Xian – jia, REN Li – ping, JIN Shao – ju, et al(148)

Disease Control and Prevention

- Economic burden and influencing factors of influenza cases in urban area of Nanchang City, 2017 – 2018** ...
..... TU Zheng – bo, WAN Gang – feng, XIAO Hong – mao(152)
- Advances in the characteristics of zoonotic coronaviruses infection and its cross – species transmission**
..... LI Jing – jing, FAN Zi – wei, HE Fang – ting, et al(157)
- Research progress on type b and nonseparable *haemophilus influenzae* vaccine**
..... ZHAO Ying, CHEN Rui, AN Jing, et al(161)
- Imperative “One Health” strategy for the prevention and control of brucellosis in China**
..... ZHANG Wen – qiang, LUAN Rong – sheng(166)
- Disease burden of malignant tumor in residents of Rizhao, 2014 – 2019**
..... YANG Chuan – zhi, SONG Chuan – feng, LIU Pu – liang, et al(170)

Health Supervision

- Monitoring and risk assessment analysis of chloramphenicol and metronidazole in honey, Shandong Province**
..... XING Yan, WANG Ming, GAO Hui, et al(174)

Clinical Medicine and Prevention

- Association between maternal simple subclinical hypothyroidism and preschoolers’ emotional and behavioral development: a cohort study** LIU Zi – jian, XIE Jing – jing, YAN Shuang – qin, et al(178)
- Research progress on the association between type 2 diabetes mellitus and Alzheimer’s disease**
..... WANG Rui – tong, LIU Yu(182)
- Evaluation of the effect of companion examination in the diagnosis and treatment of chest pain**
..... ZHOU Ming – yuan, JU Sheng – yong(186)

Personnel Training

- Training model reform of health inspection and quarantine focusing on “Four – in – One” improving practical ability** HAN Dan – dan, HAN Ye – hong, YANG Chun – liu, et al(190)