

1974年5月创刊 半月刊 第45卷 第2期 2018年1月25日出版

主 管

国家卫生和计划生育委员会  
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17号, 610041

编 辑

《现代预防医学》杂志编辑委员会

出 版

《现代预防医学》杂志社  
成都市人民南路三段17号, 610041  
电话: (028)85502771, 85503354  
传真: (028)85501291

名誉主编

戴志澄 詹承烈 倪宗瓚 张朝武  
马骥

主 编

李晓松

常务副主编

裴晓方

编辑部主任

宛小燕

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

广告经营许可证

川临广审字 96(055)号

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

2018年本刊版权归《现代预防医学》杂志社所有

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

## 流行病学与统计方法

- 率比较的二阶段交叉设计及模拟研究 ... 杜春霖, 李晓松, 邱建青, 等(193)
- 2010-2015年淮安市30~69岁居民主要慢性病死亡状况及变化趋势分析  
..... 徐康, 王涤, 石小玲, 等(196)
- 安徽省人感染H7N9禽流感病例临床流行病学分析  
..... 曹明华, 侯赛, 龚磊, 等(201)
- 2011-2016年抚州市肾综合征出血热流行特征分析  
..... 吴斐琳, 上官致洋, 朱小康, 等(204)
- 极端学习机模型在衡水市乙肝月发病率预测中的应用 ... 陈超, 张倩(208)
- 2005-2016年渭南市猩红热流行特征分析 ... 马宁, 郭欣, 樊苏红, 等(213)
- 北京市郊区1例人感染H7N9禽流感病例的流行病学调查  
..... 石磊, 潘阳, 黄少平, 等(217)

## 环境与职业卫生

- 基于ARIMA模型的深圳市大气PM<sub>2.5</sub>浓度时间序列预测分析  
..... 严宙宁, 牟敬锋, 赵星, 等(220)
- 成都市区大气细颗粒物短期暴露对小学生肺功能的影响  
..... 周亮, 陈剑宇, 鹿茸, 等(224)

## 营养与食品卫生

- 同位素稀释液相色谱-串联质谱法测定婴儿辅食中的黄曲霉毒素M1  
..... 罗兰, 任燕, 黄承鹏(228)
- 南宁市185株食源性金黄色葡萄球菌溶血素基因的分布  
..... 诸葛石养, 杜悦, 苏爱荣(234)
- 深圳市35间普惠式托幼机构膳食调查分析 ..... 王虎, 农秋苗, 马腾(239)

## 儿少卫生与妇幼保健

- 四川省绵阳市15~49岁育龄期妇女抗-HBs流行现状分析  
..... 李文龙, 刘小锦, 刘婷婷, 等(243)
- 贵州省农村育龄妇女不良妊娠结局现状及影响因素分析  
..... 郑玉, 朱焱, 辛丽梅, 等(247)
- 乳腺癌患者个人掌控感及其影响因素研究  
..... 张婷, 李惠萍, 杨娅娟, 等(251)
- 广州市12岁学生恒牙患龋状况分析 ... 陈思宇, 熊莉华, 刘伟佳, 等(255)

1974年5月创刊 半月刊 第45卷 第2期 2018年1月25日出版

2012 - 2016年上海市松江区幼托儿童传染病发病特征分析 ..... 孔园园(259)  
小学生健康教育后小学生及家长尿钠、尿钾的变化 ..... 魏彩玲,韩艳波,张建斌,等(262)

### 基层卫生服务

中老年高血压患者运动现状及不同运动方式血压的比较研究 ..... 夏方根,张荣,田海艳,等(266)  
2012 - 2016年济南市城市居民恶性肿瘤发病分析 ..... 宫舒萍,林少倩,王莹,等(270)  
2011 - 2016年重庆市疑似预防接种异常反应监测分析 ..... 许瀨月,周颖,韩真明,等(273)  
徐州市主城区高知老年人养老需求及其影响因素分析 ..... 朱蓓,胡斌,钱香玲,等(277)  
防社交孤独社区自我效能量表在社区老年人中应用的信效度评价 ..... 扈娜,孟令弟,刘堃(282)

### 卫生政策与管理

基于共词分析和可视化的分级诊疗热点探究 ..... 杨敬宇,燕武,毛强(286)  
某三甲综合医院1293例超长住院日患者分布特征及影响因素分析 ..... 王钊,钱邦富(291)

### 健康与社会行为

健康促进生活方式和焦虑抑郁对结直肠癌患者生存质量影响的路径分析 ..... 高岚,曹秀真,张营,等(295)  
成都市中学生家长对人乳头瘤病毒及其预防性疫苗的认知及态度调查 ..... 蒲晨,刘春容,张希,等(299)  
恶性肿瘤患者主要照顾者照顾负担对负性情绪的影响——一个有调节的中介模型 ... 唐青峰,张国琴,戴荣(303)  
中文版癌症患者未满足需求简明量表的信效度研究 ..... 闫婷婷,乔婷婷,郑蔚,等(308)

### 实验技术及其应用

抗菌肽17BIPHE2通过阻滞肺腺癌A549细胞周期促进其凋亡 ..... 李军,战仕胜,回丽媛,等(314)  
农达对小鼠睾丸组织损伤和氧化应激的影响 ..... 范甜甜,杨治峰,薄存香,等(319)  
扎伊尔型埃博拉病毒实时荧光定量PCR方法的建立 ..... 李以圣,王湘雨,华颖,等(324)  
基于修饰碳量子点的铜离子荧光生物传感平台构建 ..... 贺建同,傅政(330)  
全自动固相萃取 - 高效液相色谱 - 串联质谱法测定水中16种喹诺酮类抗生素 ... 林麒,罗赞,华永有,等(335)

### 疾病预防控制

男男性传播与异性性传播HIV新近感染者艾滋病疾病进展比较分析 ..... 李世福,董文斌,蔡英,等(340)  
不同序贯程序的脊髓灰质炎灭活疫苗和减毒活疫苗的免疫效果研究 ..... 林喜乐,杨洁,叶晓玲(344)  
淄博市人感染H7N9禽流感病例调查及环境因素监测 ..... 王玲,王涛,崔峰,等(348)  
2009 - 2016年河南省三门峡市手足口病疫情分析 ..... 武恕星(352)

### 临床与预防

2015年北京市小汤山医院体检人群糖尿病视网膜病变影响因素研究 ..... 田思佳,孙扬,马圆,等(356)  
可切除肝癌伴门静脉癌栓的预后影响因素分析 ..... 薛谦,杨中秋,徐春伟,等(360)  
青霉素耐药对抗生素治疗肺炎链球菌感染细胞疗效的影响 ..... 梁江萍,张祥明,夏俊,等(364)

2012 – 2016 年急诊重症监护病房非发酵菌感染特点及耐药性分析 .....	吴忠展,鲁厚清(368)
阿司匹林联合奥希替尼对 H1975 细胞的影响 .....	王鑫,佟伟,李红玉(371)
遗传因素对体型指征影响程度的双生子研究 .....	李天勇,王玲,陈卫中(376)

#### 人才培养

我国医学生结构性就业难的原因及对策探析 .....	廖海霞,马璐(380)
---------------------------	-------------

#### 读者·作者·编者

《现代预防医学》正式开通学术不端检测公告 .....	(238)
作者修稿注意事项 .....	(307)
《现代预防医学》论著的界定原则 .....	(313)
优先征集国家、省部级基金项目及重点攻关项目论文启事 .....	(329)
表格的常用种类及编排位置 .....	(347)
通 告 .....	(351)
本刊对统计学符号的要求 .....	(359)
《现代预防医学》优先数字出版声明 .....	(363)
声 明 .....	(375)
《现代预防医学》稿约 .....	(384)

本期责任编辑 李天舒 Executive Editor LI Tian-shu 英文编辑 王傑美 English Editor WANG Chieh-Mei

校对 李斯 Proofreader LI Si

助理编辑 谢瑶 周婷 Associate Editor XIE Yao ZHOU Ting

总编辑 宛小燕 Chief Editor WAN Xiao-yan

期刊基本参数: CN51-1365/R \* 1974 \* s \* 16 \* 192 \* zh+en \* P \* ¥15.00 \* 8000 \* 45 \* 2018-2

E-mail: mpmbjb@163.com

在线办公系统网址: <http://www.xdyfyx.com>

## CONTENTS IN BRIEF

### Epidemiology and Statistical Methods

#### Two Stage Cross-over Design and Simulation Study of Rate Comparison

..... DU Chun-lin, LI Xiao-song, QIU Jian-qing, et al(193)

#### Analysis on the status and trend of mortality caused by main non-communicable diseases among 30-69 year-old residents of Huai'an City during 2010-2015

..... XU Kang, WANG Di, SHI Xiao-ling, et al(196)

#### Clinical epidemiological analysis of human avian influenza A (H7N9) virus infection in Anhui province

..... CAO Ming-hua, HOU Sai, GONG Lei, et al(201)

#### Analysis on the epidemiological characteristics of hemorrhagic fever with renal syndrome in Fuzhou in 2011- 2016

..... WU Fei-lin, SHANG GUAN Zhi-yang, ZHU Xiao-kang, et al(204)

#### Application of Extreme Learning Machine Model in Prediction of month Incidence of Hepatitis of B in Hengshui City

..... CHEN Chao, ZHANG Qian(208)

#### Analysis on epidemiological characteristics of scarlet fever in Weinan from 2005 to 2016

..... MA Ning, GUO Xin, FAN Su-hong, et al(213)

#### Epidemiological investigation of the case of human infection with avian influenza (H7N9) in suburban district, Beijing

..... SHI Lei, PAN Yang, HUANG Shao-ping, et al(217)

### Environmental and Occupational Health

#### The time series prediction of PM2.5 in Shenzhen based on ARIMA model

..... YAN Zhou-ning, MOU Jing-feng, ZHAO Xing, et al(220)

#### The effect of short-term exposure of airborne fine particulate matters on pupil's lung function in Chengdu urban area

..... ZHOU Liang, CHEN Jian-yu, LU Rong, et al(224)

Responsible Institution: *National Health and Family Planning Commission of the People's Republic of China PanJiaYuan*

Sponsor: *Chinese Preventive Medicine Association 25, Warwick, PanJiaYuan, ChaoYang District, Beijing 100021, P. R. China*

*West China School of Public Health Sichuan University 17, 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: *LI Xiao-song* Vice President: *PEI Xiao-fang* Editorial office director: *WAN Xiao-yan*

Publishing: *Magazine House of Modern Preventive Medicine 17, Section 3, Renmin Nanlu, Chengdu 610041*

Printing: *Chengdu Fusheng Industrial 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)85501291, 85503354, Fax: (028)85501291*

CSSN: *ISSN 1003-8507 CN 51-1365/R CODEN XYYIFS*

Printed on acid-free paper; effective with Volume 45, Issue 2, 2018.

Copyright 2013 by China Preventive Medical Association

## Nutrition and Food Hygiene

- Determination of aflatoxin M1 in baby supplementary foods by LC-MS/MS with isotope internal standard dilution technique ..... LUO Lan, REN Yan, HUANG Cheng-peng(228)
- Distribution of 185 foodborne *Staphylococcus aureus* hemolysin genes in Nanning ..... ZHU GE Shi-yang, DU Yue, SU Ai-rong(234)
- Dietary survey and analysis of 35 Pratt & Whitney nurseries in Shenzhen City ..... WANG Hu, NONG Qiu-miao, MA Teng(239)

## Child and Adolescent health, Maternal and Child Health

- Seroprevalences of hepatitis B surface antibody among 15~49 childbearing-age women in Mianyang, Sichuan Province ..... LI Wen-long, LIU Xiao-jin, LIU Ting-ting, et al(243)
- Analysis on the status and influencing factors of adverse pregnancy outcomes among rural women child-bearing age in Guizhou ..... ZHENG Yu, ZHU Yan, XIN Li-mei, et al(247)
- Study on the level of mastery and its influencing factors in patients with breast cancer ..... ZHANG Ting, LI Hui-ping, YANG Ya-juan, et al(251)
- Caries Status among Children Aged 12-years in Guangzhou ..... CHEN Si-yu, XIONG Li-hua, LIU Wei-jia, et al(255)
- Analysis on the incidence of infectious diseases among nursery children in Songjiang district of Shanghai from 2012 to 2016 ..... KONG Yuan-yuan(259)
- The changes of urinary sodium and potassium in children and their families after health education of school children ..... WEI Cai-ling, HAN Yan-bo, ZHANG Jian-bin, et al(262)

## Primary Health Services

- Comparative study on exercise status quo and blood pressure of the middle-aged and elderly hypertension patients in different exercise modes ..... XIA Fang-gen, ZHANG Rong, TIAN Hai-yan, et al(266)
- Analysis on the incidence of urban residents' malignant tumors in Jinan from 2012 to 2016 ..... GONG Shu-ping, LIN Shao-qian, WANG Ying, et al(270)
- Study on the surveillance of adverse events following immunization in Chongqing from 2011 to 2016 ..... XU Bin-yue, ZHOU Ying, HAN Zhen-ming, et al(273)
- Analysis on the pension needs and influencing factors of senior intellectual elder in the downtown of Xuzhou ..... ZHU Bei, HU Bin, QIAN Xiang-ling, et al(277)
- Reliability and validity of the community's self-efficacy scale for preventing social isolation among community elderly population ..... HU Na, MENG Ling-di, LIU Kun(282)

## Health Policy and Management

- Research hotspots in hierarchical diagnosis and treatment based on co-words and visual analysis ..... YANG Jing-yu, YAN Wu, MAO Qiang(286)
- Investigation on the distribution characteristics and influence factors of extra long hospitalization days for 1 293 cases of patients in Sichuan Provincial People's Hospital ..... WANG Ling, QIAN Bang-fu(291)

## Health and Social Behavior

- Path analysis on the influence of health-promoting lifestyle, anxiety and depression on the quality life of the patients with colorectal cancer ..... GAO Lan, CAO Xiu-zhen, ZHANG Ying, et al(295)

(上接附 4)

- Knowledge and attitudes toward HPV and its vaccines among parents of middle school students in Chengdu** ..... PU Chen, LIU Chun-rong, ZHANG Xi, et al(299)
- Impact of caregiver burden on negative emotion among caregivers of cancer patients—A moderated mediation effect** ..... TANG Qing-feng, ZHANG Guo-qin, DAI Rong(303)
- Psychometric properties of the Chinese version of the short-form survivor unmet needs survey(SF-SUNS)** ..... YAN Ting-ting, QIAO Ting-ting, ZHENG Wei, et al(308)

#### **Experimental Technology and Applications**

- Antimicrobial peptide 17BIPHE2 induces cell cycle arrest and apoptosis in lung adenocarcinoma A549** ..... LI Jun, ZHAN Shi-sheng, HUI Li-yuan, et al(314)
- Effect of roundup on morphology of testis and oxidative stress in mice** ..... FAN Tian-tian, YANG Zhi-feng, BO Cun-xiang, et al(319)
- Establishment of real-time fluorescence-based quantitative PCR method for detecting Zaire ebolavirus** ..... LI Yi-sheng, WANG Xiang-yu, HUA Yin, et al(324)
- Construction copper ions fluorescent biological sensing platform based on modified carbon quantum dots** ..... HE Jian-tong, FU Zheng(330)
- Analysis of 16 quinolones in water by Automated Solid Phase Extraction coupled with high-pressure liquid chromatography tandem mass spectrometry** ..... LIN Qi, LUO Yun, HUA Yong-you, et al(335)

#### **Disease Control and Prevention**

- Comparative analysis of HIV progression between MSM with newly HIV infection and heterosexual transmission** ..... LI Shi-fu, DONG Wen-bin, CAI Ying, et al(340)
- Study of immunogenicity after primary vaccination by different sequential program of inactivated poliovirus vaccine and oral poliovirus vaccine** ..... LIN Xi-le, YANG Jie, YE Xiao-ling(344)
- Investigation and surveillance on human infection with H7N9 avian influenza and the environmental factor in Zibo City** ..... WANG Ling, WANG Tao, CUI Feng, et al(348)
- Analysis on the epidemic situation of hand-foot-and-mouth disease in Sanmenxia of Henan province from 2009 to 2016** ..... WU Shu-xing(352)

#### **Clinical Medicine and Prevention**

- Study on the influencing factors of diabetic retinopathy of physical examination population in Xiaotangshan Hospital in 2015** ..... TIAN Si-jia, SUN Yang, MA Yuan, et al(356)
- Prognostic factors of resectable hepatocellular carcinoma with portal vein tumor thrombus** ..... XUE Qian, YANG Zhong-qiu, XU Chun-wei, et al(360)
- Effect of penicillin resistance on the efficacy of antibiotics in the treatment of the cell infected with Streptococcus pneumoniae** ..... LIANG Jiang-ping, ZHANG Xiang-ming, XIA Jun, et al(364)
- Infection characteristics and drug resistance analysis of the non-fermentative bacterial isolated from patients in the emergency intensive care unit from 2012 to 2016** ..... WU Zhong-zhan, LU Hou-qing(368)
- Effects of aspirin combined with osimertinib on H1975 cells** ..... WANG Xin, TONG Wei, LI Hong-yu(371)
- Twin study of the hereditary effects on body size indices** ..... LI Tian-yong, WANG Ling, CHEN Wei-zhong(376)

# 欢迎订阅 2018 现代预防医学

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

中文核心期刊 中国科技论文统计源期刊 美国化学文摘 (CA) 收录期刊  
波兰《哥白尼索引》(IC) 收录期刊 中华预防医学会优秀学术期刊  
中国预防医学、卫生学类核心期刊 中国生物医学核心期刊

主管单位: 国家卫生和计划生育委员会

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、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者的研究成果、经验交流及信息荟萃。欢迎广大医学科研工作者踊跃订阅, 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 17 号, 邮编: 610041

电话: (028) 85503354

网址: <http://www.xdyfyx.com>