



成都大运会疫情防控

Epidemic Prevention and Control During the 31th World University Games Summer

 成都市疾病预防控制中心
Chengdu Center For Disease Control and Prevention



01

大型活动公共卫生保障

Public Health Security During Major Events



➤意外伤害:

- 类型: 外伤为主, 运动伤害、踩踏等
- 原因: 跌落、碰撞、拥挤等

➤食品安全:

- 类型: 细菌(沙门菌、金葡菌); 病毒(诺如)
- 原因: 卫生设施不完善; 食物加工和储存环节不当; 监管缺位等

➤饮用水及环境:

- 类型: 展馆、会场、宾馆、游船等
- 原因: 设施、流程、监管

- 其他疾病: 慢性病急性发作、心脏骤停、热相关疾病、精神卫生和心理疾病等

➤传染病疫情:

- 类型: 呼吸道、消化道、接触
- 常见: 流感、诺如、麻疹、新冠
- 原因:
 - 关口监测: 病例 携带者 入场
 - 人群密度短期急剧增加
 - 人口流动性增加
 - 易感者防护



Public Health Risks During Major Events



➤Accidental injury:

- Type: Mainly trauma, sports injury, trampling and so on.
- Causes: Falling, crash, crowding and so on.

➤Food safety:

- Type: Bacterium(salmonella, staphylococcus aureus; virus(Norovirus)
- Causes: imperfection of sanitary facilities; improper procedures of food processing and storage; poor regulation and so on.

➤Drinking water and surroundings:

- Type: Exhibition hall, venue, hotel, sightseeing boat and so on.
- Cause: Facilities, procedure, supervision.

- Other diseases: acute episodes of chronic diseases, cardiac arrest, heat-related diseases, mental health, mental illness and so on.

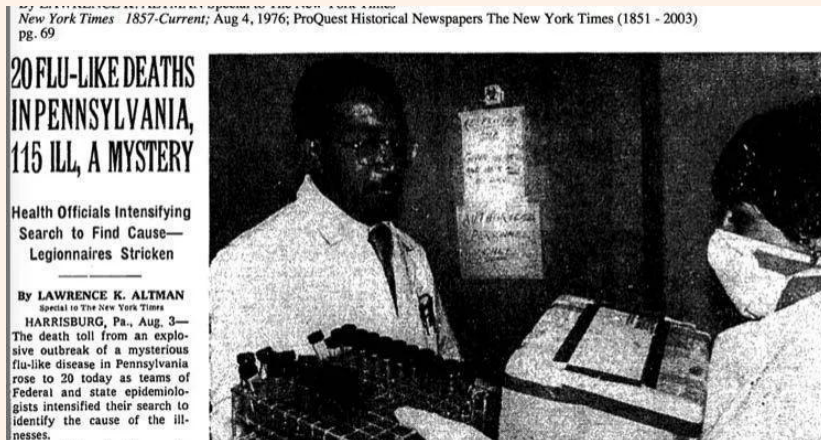
➤Epidemic Diseases:

- Type: Respiratory tract, gastrointestinal tract, contact
- Common diseases: Flu, Norovirus, Measles, COVID-19
- Causes:
 - Gateway supervision: Virus carrier enter
 - Sharp increasing of population density in a short time
 - Increasing of people inflow
 - Protection of susceptible person



意外伤害：东南亚运动会发生踩踏事件

A stampede in the Southeast Asian Games



环境因素：1976年费城退伍军人大会军团菌暴发

An explosive outbreak of a mysterious flu-like disease in Pennsylvania

开幕在即上吐下泻 平昌冬奥会疑曝集体食物中毒

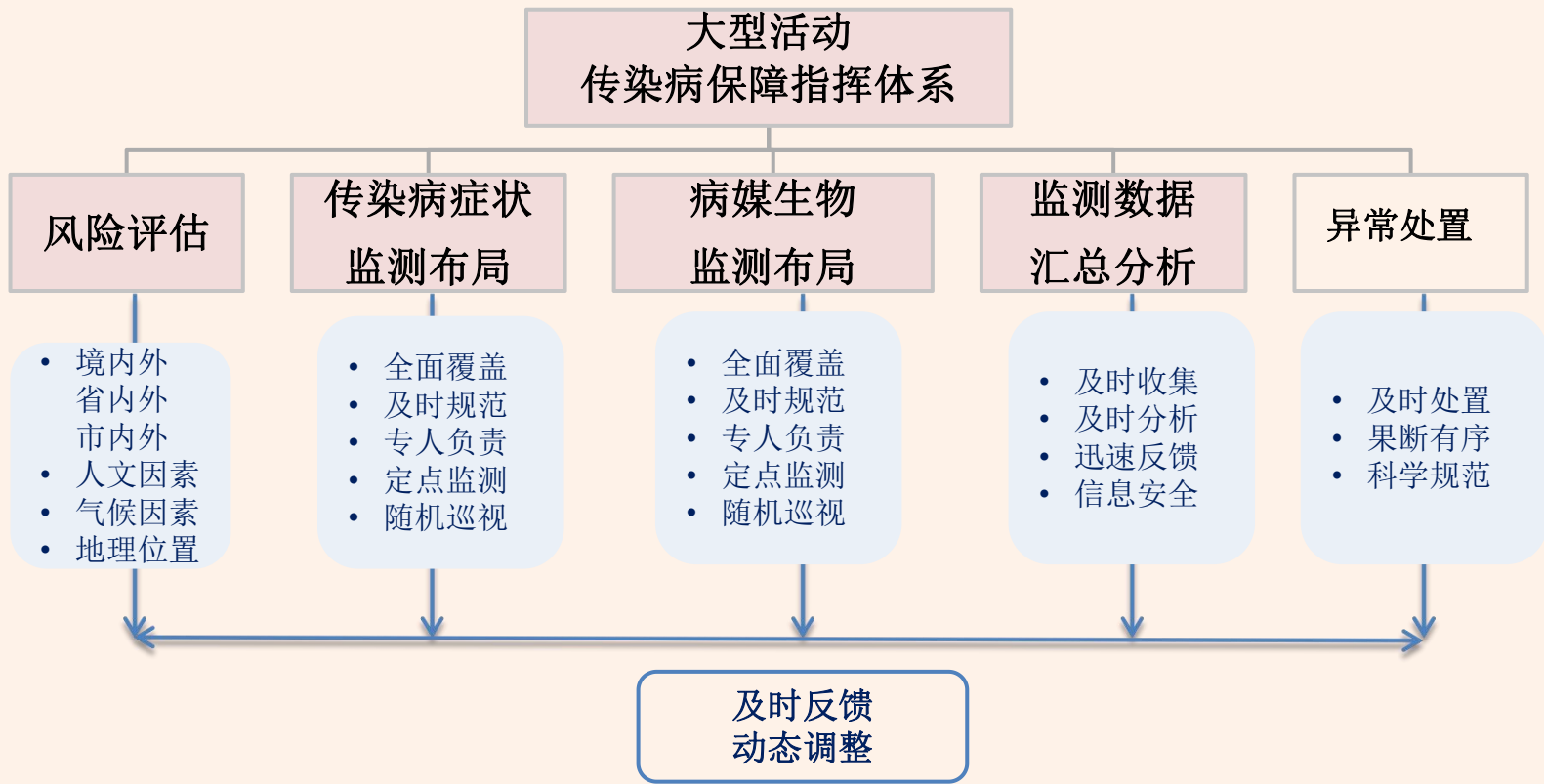
2018-02-06 06:45:53 来源：新华网

The Winter Olympics in Pyeongchang

Food

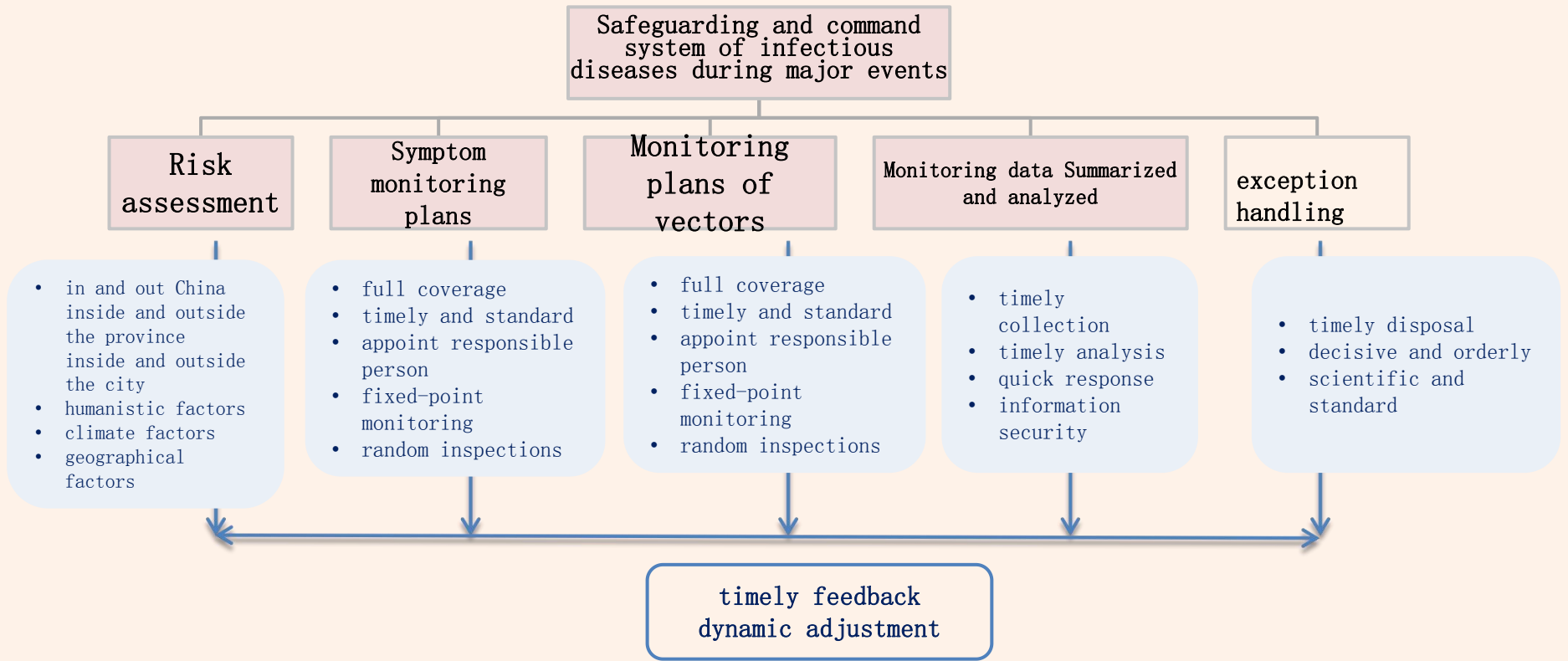


Kumbh Mela in India





Safeguarding System of Infectious Diseases During Major Events





02

成都市大型活动传染病保障情况

Safeguarding of Infectious Diseases During
Major Events in Chengdu City



成都马拉松
CHENGDU MARATHON

东风日产

世界马拉松大满贯候选赛事
CANDIDATE RACE OF ABBOTT WORLD MARATHON MAJORS

世界马拉松大满贯

往届回顾

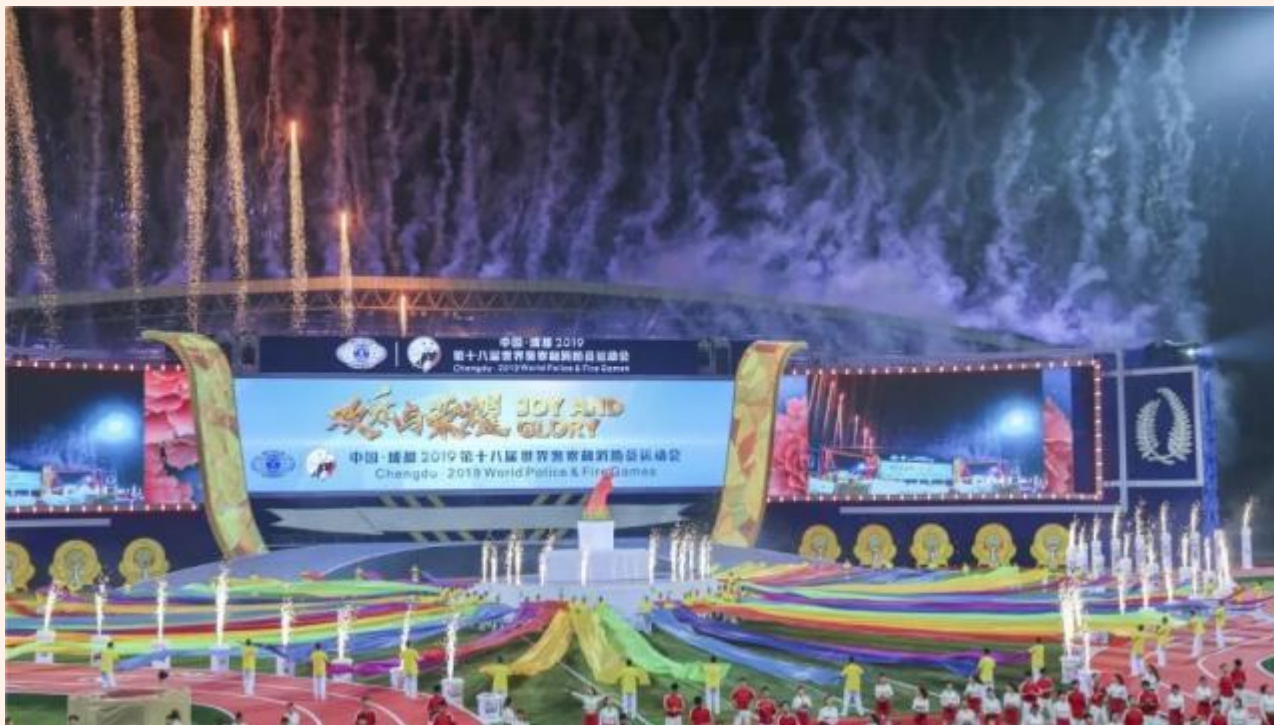
关于我们

EN

WORLD POLICE&FIRE GAMES

CHENGDU

- ◆ 多次圆满完成国内外重大会议、活动、赛事等传染病保障。
- ◆ Successfully accomplish the safeguarding of infectious diseases during major conferences, activities, and events at home and abroad for several times.



世警会是成都首次举办大规模的国际综合体育赛事

**World Police and Fire Games
is a major international sports
event firstly held in Chengdu**



- 规模最大
- 国际化水平最高
- 单次入境外宾人数最多
- 79个国家和地区
- 56个比赛项目
- 赛会报名总人数10963人
- 运动员8360名 亲友2123人 技术人员480人
- largest scale
- The highest level of internationalization
- largest number of overseas travelers of single entry
- 79 countries
- 56 events
- 10963 appliers
- 8360 athletes, 2123 families and friends, 80 technicians

新发突发传染病

基本概念

- 新认识、新发现
- 区域性 国际公共卫生问题
- 1970年以来世界范围内40余种

基本特点

- 病死率 发病率
- 病原不清 特性不明 防控困难
- 大众恐慌 社会稳定威胁
- 世界村 全球暴发流行
- 不确定性 疫苗 药物

近年重点病种

- SARS
- H1N1
- 埃博拉出血热
- 寨卡病毒病
- 人禽流感
- X.....

COVID-19疫情**常态化**防控，各类集会活动医疗卫生保障需求，特别是传染病保障需求大幅上升，已成为卫生应急主管部门和医疗卫生专业技术部门的一项重要工作！！



Safeguarding of Infectious Diseases During Major Events-Frequent Outbreak



Newly emerging infectious diseases

Basic concept

- new understandings and findings
- Regional international public health issues
- Over 40 kinds in the world since 1970

Basic features

- Fatality rate, incidence rate
- Have no idea about pathogeny and its features, hard to prevent and control.
- Crowds panics, threats to social stability
- World Village, global outbreak
- Uncertainties, Vaccine, medicine

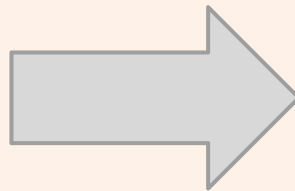
Major diseases in recent years

- **SARS**
- **H1N1**
- Ebola hemorrhagic fever
- zika virus
- Human avian influenza
- X.....

Normalized prevention and control of COVID-19, health care security requirements of various activities, especially the safeguarding demand of infectious diseases surges, which have become a top priority of Health Emergency Department and Health-care Professional Technical Department.



2020年5月8日，国务院发布《关于做好新冠肺炎疫情常态化防控工作的指导意见》指出，我国新冠肺炎疫情防控工作已从应急状态转为常态化。



同时，明确低风险地区可举办各类必要的会议、论坛、赛事、会展等集会类活动。

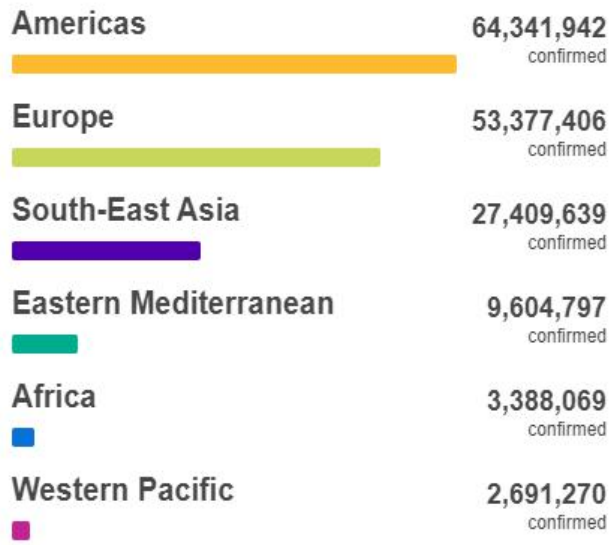
On 8th, May, 2020, the state council pointed in The Guidance on Normalized Prevention and Control of COVID-19 that the prevention and control of epidemic in China has shifted from an emergency state to a normal state.



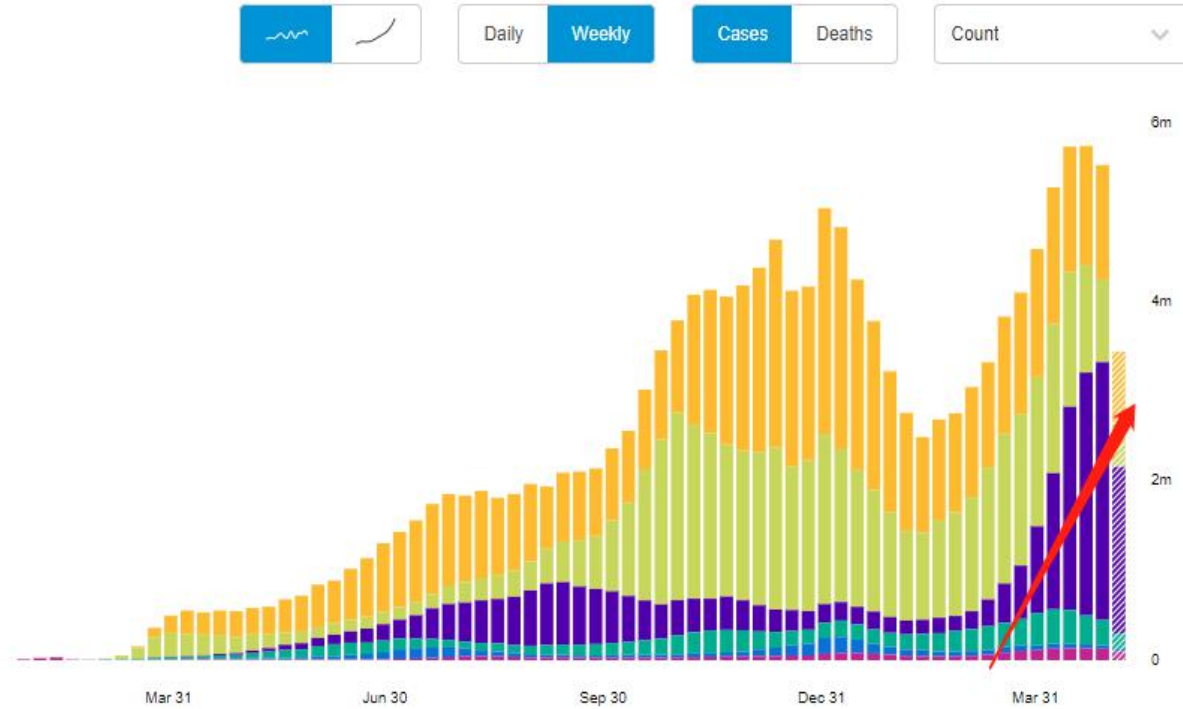
At the same time, it says that low risk areas are allowed to hold clustered activities like necessary meetings, forums, events and exhibitions.



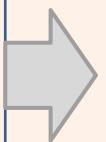
Situation by WHO Region



Source: World Health Organization
Data may be incomplete for the current day or week.



境内外新冠防控形势反差极大2021年4月起，亚洲印度呈现爆发式增长。Prevention and control of the epidemic differs greatly between China and the rest of the world. Since April, 2021, explosive growth has happened in Asia and India.



COVID-19纳入所有大型活动传染病保障的重点内容，尤其是涉外的活动。Top priority is given to COVID-19 in the security of infectious diseases in major events, activities involving foreign countries in particular.



03

大运会传染病疫情防控 Infectious Diseases Prevention and Control During the 31th World University Games Summer

运动场馆：49

大运村：1

接待酒店：.....

Sport Venues：49

Universiade Village：1

Reception Hotels：.....



前言Preface

2021年8月 • 第31届世界大学生夏季运动会

August, 2021 • the 31th World University Games Summer

- 运动会 & 重大国际交流活动
- Sports meeting & Major international exchanges
- “今日明星，明日领袖”
- Today' s stars , tomorrow' s leaders”
- 全球最盛大、最广泛、最多样、最具影响力的青年交流盛会
- The world' s largest, most extensive, most diverse and most influential exchange for youth.
- 参赛国家：超过100个
- Participating nations : Over 100.
- 比赛项目：18个大项、269个小项
- Events : 18 major events、 269 small-scale events
- 比赛场馆：49个场馆 Venues : 49



FISU国际大体联

40秒前 来自 iPhone 12 Pro Max

成都2021 FISU世界大学生运动会，确定于2022年6月26日至7月7日举行。

FISU国际大学生体育联合会，2021年5月14日星期五在执行委员会上确认，这项国际级大学生综合性体育赛事——@成都2021世界大运会 将于2022年6月26日至7月7日举行。

上个月，考虑到全球疫情形势、国际旅行限制等因素，国际大学生体育联合会与中国大学生体育协会及成都大运会组委会共同商议后，作出了推迟举办这届赛事的决定。旨在保护包括运动员在内的全体有关人员和承办城市人民的安全与健康。

FISU代理主席Leonz Eder表示：“我很高兴我们能为@成都2021世界大运会 的举办确定一个合适的日期。尽管成都2021 FISU 世界大学生运动会超话 组委会已经为今年的赛事启动做好了准备，但考虑到全球疫情形势，国际大体联与组委会共同决定，延期举行这届赛事，以保证这届赛事能够在最佳的体育和社会条件下举办。” 成都 收起全文



• 6-7月疫情防控压力大

- 新冠肺炎：境外疫情不确定性
- 流感：南半球冬季流行期
- 诺如病毒感染：大型比赛活动疫情发生概率高
- 登革热：8月正值我市蚊媒密度高峰期 本地疫情风险剧增 2019年四川首次报告
- 霍乱：2019年首次印度输入
- 埃博拉出血热：非洲公共卫生基础条件恶化 流行风险加大
- 寨卡病毒、黄热病.....

• 参赛国家、运动员众多：短时间、高密度、管理难度增加

• 比赛场馆、酒店多：覆盖面广 对象复杂 队伍建设



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- **Heavy pressure on the prevention and control of the epidemic in June and July**
 - COVID-19: Uncertainties overseas
 - Flu: Winter outbreak in the southern hemisphere
 - Norovirus infection: High probability of outbreak during major events
 - dengue fever: Peak period of mosquito density in August, risk of outbreak has increased sharply, firstly reported in Sichuan province, 2019.
 - Cholera: First India import in 2019
 - Ebola hemorrhagic fever: deteriorating public health conditions in Africa, increased risks of outbreak.
 - Zika virus, yellow fever.....
- **Large number of participating countries and athletes: short time, high density, increased difficulties in management.**
- **Large number of venues and hotels: extensive coverage, complicated objects, establishment of teams.**



相关人员

分类管控

Relevant staff

Classified management and control



相关场所

全面覆盖

Relevant venues

Full coverage

2-1 公共场所防控重点-人员

• 人员管控

- **分类管控：**
 - 境内人员：政府官员
运动员 工作人员（服务人员 安保人员……）
 - 境外人员：政府官员
运动员 工作人员 以及其他随行人员
- **疫苗接种**

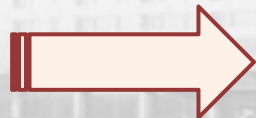
• 人员管控

- **入境关口：**
 - 人、物同检
 - 人员转运
 - 异常处理流程

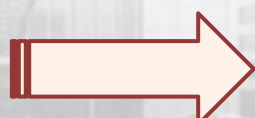
• 人员管控

- **境内管理：**
 - 人员持续管理
 - 常态化核酸监测
 - 人群聚集要求
 - 住宿-场馆 转运

入境关口



大运村



接待宾馆





2-1 Key Prevention and Control in Public Places-Staff



- **Staff management and control**

- **Classified management and control :**
- In China :government officials, athletes, workers(service staff, security personnel and so on)
- Oversea: government officials, athletes, workers and other

entourages

Entry

vaccination



**Universiade
Village**

- **Staff management and control**

- **Entry :**
- **Monitor both people and item**
- **Staff transportation**
- **Disposal process of abnormal circumstance**



reception

notel

- **Staff management and control**

- **Domestic management :**
- **Continuous management of staff**
- **Routine nucleic acid monitoring**
- **Gathering requirements for crowd**
- **hotel-venue transportation**





2-2 公共场所防控重点-场所 Key Prevention and Control in Public Places-Venues



- **场所管理要求** Management requirements of the venues
 - **入住酒店** Hotel :
 - **人员分类** Classification of the staff
 - **入口管理** Entry management
 - **信息管理** Information management
 - **就餐管理** Meal Management
 - **食品安全** Food safety
 - **活动管理** Activity management
- **场所管理要求** Management requirements of the venues
 - **比赛场馆** Venues :
 - **人员数量** Number of the staff
 - **入口管理** Entry Management
 - **清洁消毒** Cleaning and disinfection
 - **监测检测** Monitoring and detection
 - **活动管理** Activity management



2-2 公共场所防控重点-场所 Key Prevention and Control in Public Places-Venues



- 运动会期间 During the Games

- 动态管理 : Dynamic management:**

- 住宿、场馆环境预防性清洁消毒 监测 : 区域 物品全覆盖
 - Preventive cleaning and disinfection of hotels and disinfection. Monitoring: Full coverage of regions and items
 - 住宿、场馆入口管理 : 申报 体温 异常处置
 - Entry management of hotel and venue: Declaration, take temperature, handle with abnormal circumstance.
 - 传染病症状监测 : 人员全覆盖 渠道多元化
 - Syndromic monitoring of the epidemic: Full coverage, diverse channels.
 - 疫情风险应急处置 : 闭环处置 排查 救治同步 迅速 有效
 - Emergency response of the epidemic: Closed-loop disposal, diverse channels, inspection, synchronized, quick and effective curing.
 - 监测动态分析 : 实时更新 措施建议
 - Dynamic analysis of monitoring: real-time update measures and suggestions





- **监测→检测→分析→管理贯穿全程** Monitoring → inspection → analysis → management throughout the process
 - **可疑病例监测** Monitoring of suspected case
 - **传染病相关症状监测** Monitoring of symptoms related to infectious diseases
 - **疫情动态分析** Dynamic analysis of the epidemic
 - **入境人员健康监测** Health monitoring of travelers arriving in China
 - **工作人员健康监测检测** Health monitoring of the staff
 - **媒体人员、志愿者健康管理** Health management of the press and volunteers

- **比赛结束期间 At the end of the game**
 - **境内外人员 People in and out China**
 - **分期分批 By stages and in groups**
 - **有序组织 Organize in order**
 - **科学转运 Scientific operation**

成都疾控





04

疫情处置要求 Disposal Requirements of the Epidemic

快速 科学 规范 有效 Quick scientific standard effective



3 疫情处置要求 Disposal Requirements of the Epidemic

➤ **重点病种 Major types of infectious diseases**

- **新冠肺炎：风险高** COVID-19: high risks
- **其他呼吸道传染病：Other respiratory infectious diseases:**
 - 流感 MERS Flu, MERS
- **肠道传染病：Intestinal infectious diseases:**
 - 霍乱 细菌性痢疾 其他感染性腹泻（诺如）
 - cholera, bacillary dysentery and other infectious diarrhea (norovirus)
- **蚊媒传染病：mosquito-borne disease**
 - 登革热 基孔肯亚热 疟疾 黄热病 Dengue fever, Chikungunya hemorrhagic fever, yellow fever.
- **其他传染病：Other infectious diseases:**
 - 埃博拉出血热 鼠疫.....Ebola virus disease, plague



3 疫情处置要求 Disposal Requirements of the Epidemic



- **总体疫情风险防控策略和措施 Overall strategies and measures of prevention and control of the epidemic**
 - **防控保障体系：人员组织保障（队伍 专家）应急物资保障**
 - **Prevention and control support system: support for people and organizations (team, expertise) emergency material support**
 - **联防联控机制：卫生系统（疾控 监督 医疗） 多部门联动**
 - **Prevention and control system：Health system(disease control and prevention, supervision, medical care) multiple departments involved.**
 - **监测预警体系：症候群监测（敏感 覆盖） 多点触发 预警**
 - **Monitoring and early warning system: syndromic surveillance(sensitive, cover) multipoint trigger, early earning**
 - **应急队伍建设：监督 流调 实验室 应急处置**
 - **Establishment of emergency team: supervision, overflow, laboratory emergency response**
 - **动态风险评估：历史资料 监测资料 Dynamic risk assessment: historical materials supervision materials**
 - **全员健康教育：公众 运动员 公众人员 医务人员 Health education for all: The public, athletes, medical staff**
 - **信息沟通预案：依法 及时 准确 客观 Contingency plan of communication: In accordance with law, timely, accurately, objectively**



- **新冠肺炎 COVID-19 :**

- **预案 联动 培训 疫苗** Contingency plan, coordinated, training, vaccine
- **全流程闭环管理** a seamless and hermetic process for managing the quarantine
 - **入境前远端管理要求** : 申报 双检 Requirements of remote management before entry: application, double check
 - **入境时严格入境要求** : 分类管控 异常处置 Strict requirements for travelers arriving in China: manage in classification, handle with abnormal circumstances
 - **入境后常态管理要求** : 场所 人群 Requirements of routine management after entry: arena crowd
- **现场巡查 应急外置** On-site inspection emergency response



3 疫情处置要求 Disposal Requirements of the Epidemic



- **其他呼吸道传染病：流感 MERS**

Other respiratory infectious diseases: Flu, MERS

- **症状监测：主动申报 体温监测 医疗巡查 多渠道**
- **Syndromic monitoring: voluntary declaration, body temperature monitoring, medical inspection, multiple channels.**
- **调查处置：联动 迅速 科学 规范**
- Investigation and disposition: coordinated, swift, scientific, standard
- **实验室能力储备（快检）Laboratory capacity reserves (quick testing)**



3 疫情处置要求 Disposal Requirements of the Epidemic



- **肠道传染病**：霍乱 细菌性痢疾 其他感染性腹泻（诺如）
- Intestinal infectious diseases: cholera, bacillary dysentery and other infectious diarrhea (norovirus)
 - **食品卫生**：全流程监测 Food safety: whole process monitoring
 - **饮水卫生**：全流程监测 Sanitary of drinking water: whole process monitoring
 - **人员聚集**：减少不必要聚集 Staff gathering: reduce unnecessary gathering
 - **通风消毒**：专人专档 Ventilation and disinfection: specific staff and places
 - **健康宣教**：手卫生 食品饮水卫生
 - **调查处置**：联动 迅速 科学 规范 Investigation and disposition: coordinated, swift, scientific, standard
 - **实验室能力储备（快检）** Laboratory capacity reserves (quick testing)



3 疫情处置要求 Disposal Requirements of the Epidemic

- **蚊媒传染病**：登革热 基孔肯亚热 疟疾 黄热病
- mosquito-borne disease : dengue fever, Chikungunya hemorrhagic fever, malaria, yellow fever
 - **症状监测**：主动申报 体温监测 医疗巡查 多渠道
 - Syndromic monitoring: voluntary declaration, body temperature monitoring, medical inspection, multiple channels.
 - **蚊媒监测**：赛前 赛中 赛后 全流程 动态检测分析 都 疾 控
 - mosquito-borne monitoring: the whole procedure of the game, dynamic detection and analysis.
 - **健康宣教**：防蚊灭蚊 重点场所病媒生物消杀
 - Health Education: mosquito prevention and control destroying of vector in key arenas



3 疫情处置要求 Disposal Requirements of the Epidemic

- **其他传染病**：埃博拉出血热 鼠疫
- Other infectious diseases: Ebola virus disease, plague
 - **信息收集**：重点国家地区入境人员 重点询问 健康监测
 - Information collection: Give top priority on the inquiry and health monitoring of those who entering China from key countries.
 - **症状监测**：主动申报 体温监测 医疗巡查 多渠道
 - Syndromic monitoring: voluntary declaration, body temperature monitoring, medical inspection, multiple channels.
 - **实验室能力储备** Laboratory capacity reserves



**做好准备
迎接大运**

Be Well-prepared

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