



I

Building Information System to Facilitate Epidemic Prevention and Control



1. E-Fuzhou Information System for Joint Prevention and Control of Major Epidemic Situation

Cultivating Integrated Tracking Mechanism and Construct Whole-Process Regulation of the Concentrated Quarantine of High-Risk Group



Relaying high-risk group data from the provincial level to the six cities and counties of Fuzhou

1

2

Whole-process no-weak-link tracking of high-risk groups, assigning missions, and thorough search with immediate feedback.



Conducting whole-process regulation of the concentrated quarantine of high-risk groups

3

4

Assisting the competent authority with the latest data of people in quarantine in the region



福州市疫情防控公共服务平台

今日 累计

大数据汇聚分析



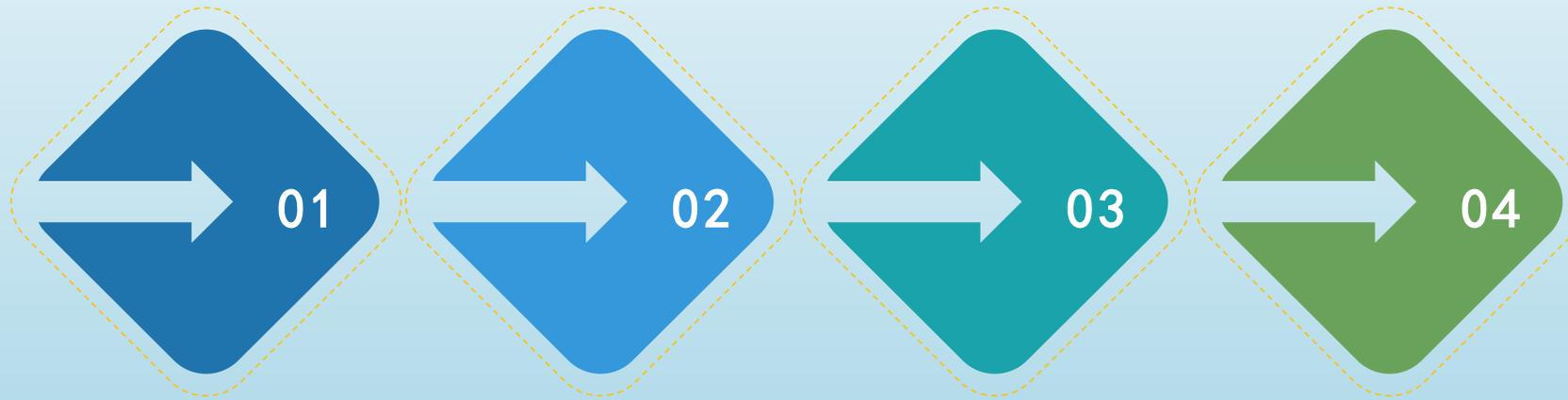
1. E-Fuzhou Information System for Joint Prevention and Control of Major Epidemic Situation

Realization of the Closed-Loop Online Process of Nucleic Acid Test



Through effective cooperation with the eligible medical institutions and third-party laboratories for nucleic acid test, daily nucleic acid tests have been taken for the three groups, namely, those who are required, willing, and selected to be tested, in addition to object surface test, cold-chain food test, and the thorough test for all required groups. Except for nucleic acid test, the closed-loop online process also includes acceptance by the competent authority and test report uploading, which provide a detailed information service for epidemic prevention and control units at all levels as well as citizens.

2. Scientific Deployment of Personal QR Code Mechanism for Sampling Pre-Appointments



Pre-registration for Nucleic Acid Test

Online registration to avert on-site paperwork and gathering in order to enhance efficiency

Generation of QR Code for Sampling

Automatic generation of Personal QR code for sampling

Scientific Deployment of Sampling Sites

Based on citizen distribution, scientific deployment of sampling sites is achieved. On-site personnel will adjust deployment according to the latest update.

Distribution of Sampling Sites

Scientific guidance for citizens to search for sampling site in their neighborhood in order to reduce gathering



3. Development of New Public Service for Nucleic Acid Test

核酸检测
擅长:暂无信息

周六 09-04 周日 09-05 周一 09-06 周二 09-07 周三 09-08 周四 09-09

08:38 第3号 ✓	08:42 第4号	08:46 第5号
08:50 第6号	08:55 第7号	08:59 第8号
09:07 第10号	09:11 第11号	09:15 第12号
09:20 第13号	09:24 第14号	09:28 第15号
09:32 第16号	09:36 第17号	09:40 第18号
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2021-09-04 08:38 第3号 [立即预约](#)

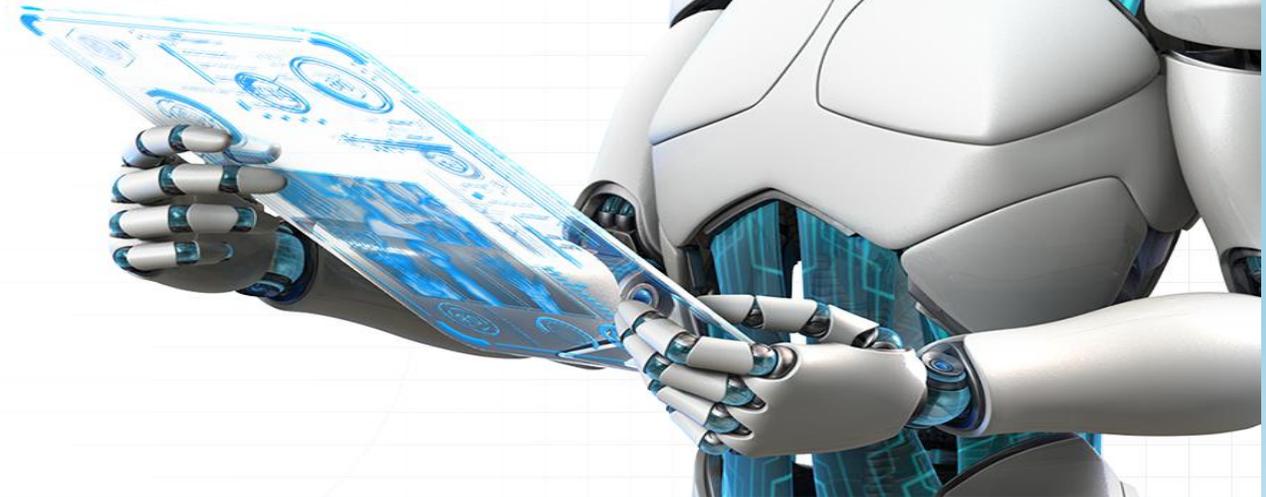
Citizens can book an appointment for test on “Fuzhou Municipal Medical Express” (Rongyitong app) and hospitals' wechat official accounts. Moreover, the whole-process service covering nucleic acid test appointment, independent billing, payment, e-receipt, and test result printing can be payed through self-service machines and integration payment.



4. Deployment of the System for Covid-19 Vaccine Appointment and Innoculation



- Information management of vaccine tracking
- Application of the monitoring system for the temperature of cold-chain vaccines
- Facilitation of the construction of the digitalization of vaccine inoculation units
- Establishment of statistical analysis system for decision-making
- Updating on re-registration and appointment booking for Covid-19 vaccine inoculation
- Completion of the installation of information systems on all inoculation sites
- Voice control intelligent robot



5. “Fuzhou Municipal Medical Express” (Rongyitong APP) - Medical Public Service Platform for Epidemic Prevention



Fuzhou Municipal Medical Express
(Rongyitong APP)

One-Stop Portal for Non-Contact Public Service

The first medical service portal in the nation that provide “deposit for all service and one-stop payment by one portal” service covering over 200 health institutions with a registered user group over 2.5 million and over 6 million logins.

Free Medical Consultation Platform for Covid-19

An innovative platform for free medical consultation on Covid-19 has been established, more than 1,500 physicians at city and county levels have registered and provided over 50,000 online consults by now.

Areas on Public Services and COVID-19 Epidemic Prevention

Set multiple functions on the application, such as GPS in fever clinics and designated hospitals, real-time queries for epidemic conditions in the local and the nation, epidemic map and trend chart, communities with epidemics, health check-in, refuting epidemic rumour, self-check, and confirmed cases route checking.



II

Innovative Service to Enhance Smart Epidemic Prevention and Control



1. Establishment of the Online Regional Medical Service Platform Based on Healthcare Big Data

- The platform synchronizes the medical records from over 200 health institutions with the regional online medical service platform, including the primary diagnoses, medical records and test results of patients from other health institutions.
- The platform also provide services to avoid cross-infection, such as remote medical consultation, medicine delivery and online health management



Digital Fuzhou



The first online prescription on the regional medical service platform in the nation was made by Fuzhou Traditional Chinese Medicine Hospital

2. AI-Assisted Medical Imaging Diagnosis Platform in Fuzhou



- Based on the big data collected by medical service platform, AI has assisted the training of a more accurate medical algorithm for imaging diagnosis, which shortens CT diagnosis time from 5-6 hours to only 2-3 seconds, largely release medical resources from unnecessary consultations.
- The AI-assisted medical imaging diagnosis platform has been launched in two Covid-19 Designated Hospitals, namely, Fuzhou Pulmonary Hospital and the Special Clinic for Covid-19 Treatment in Fuqing City Hospital.



3. Integrated QR Code from Multiple Departments for Non-Contact Medical Treatment



Pilot project of integrated QR code

- Online health code
- E-receipt for health insurance
- QR code payment
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Streamlined Public service

- Direct payment in clinic without going to the counter
- Direct appointment in clinic without registration
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4. Pilot Projects on Blockchain Receipt



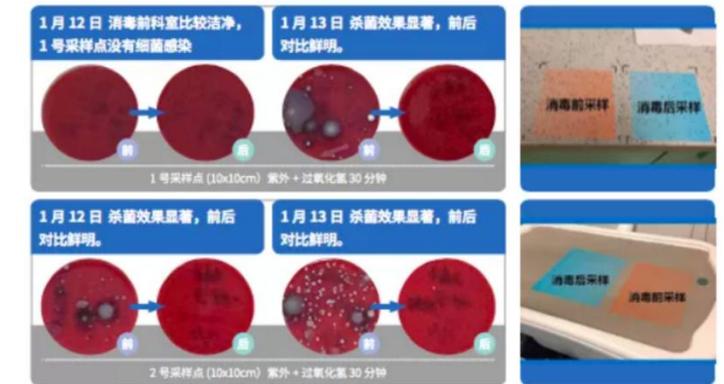
Electronic medical receipt
in Fujian Province

- Fuzhou Second Hospital, Fuzhou Traditional Chinese Medicine Hospital, Fuzhou Children's Hospital of Fujian Province, and Mengchao Hepatobiliary Hospital of Fujian Medical University are selected for the blockchain receipt pilot project, which realizes closed-loop electronic management for registration, diagnosis, payment, and receipt.
- In June 2020, Fuzhou Second Hospital took the lead to launch a blockchain receipt platform, and successfully made the first electronic receipt in Fujian Province. The popularization of electronic medical receipt can avoid waiting in line for receipt collection and thus reduce unnecessary gathering.

5. Enhancing Epidemic Prevention and Control by Facial Recognition and Intelligent Robots



Sampling sites before and after sterilization



- Facial recognition and Health Code are required for entrance to pre-examination in clinic, meanwhile, the turnstile will confirm the health code, ID, facial recognition, and body temperature of patients, thus, the efficiency of pre-examination and triage is increased, which allows patients to pass more swiftly through turnstiles, reducing gathering in pre-examination clinic to release more medical resources.
- Intelligent robots will conduct preventive sterilization in isolation wards and fever clinics.

Thanks for Listening!

