To Protect People’s Health in an All-Round Way at All Times
Based on Information Technology, Internet and Big Data

Health for all and all for health • Santé pour tous et tous pour la santé
Salud para todos y todos para la salud • 人人享有健康 一切为了健康
الصحة للجميع والجميع للصحة • Здоровье для всех и все для здоровья

以信息科技创新引领健康城市发展

National Health and Family Planning Commission of the People’s Republic of China

World Health Organization
1. Led by planning and standards, we built high-quality healthcare information platform

(1) We have strengthened the study on the planning and standards for the informatization of sanitation and health

have made and implemented Outline of the Informatization of Health Sector in Shenzhen. And 17 standards for the informatization of sanitation have been launched by Shenzhen Government, including Shenzhen Standards for Regional Sanitation Information Platform and so on.

The standard being prepared:

- «Standard and specification for data exchange of regional hygiene and family planning of Shenzhen Municipality (2016 Version)»
- «Code of regional health hygiene and hygiene code (2016 Version)»
- «The Technical Specification of Shenzhen Electronic Patient Record»
- «The personal information protection guide for information system of Health planning industry of Shenzhen City»
- «The construction technical specification for The Community Health Service Center of Shenzhen City»
- «The Basic Public Health service quality specification for The Community Health Service Center of Shenzhen City»

One: to build one supporting system
including network, storage, computing resources and application support platform and perfect information security system

Two: to build two guarantee systems
technology standards system

Three: to build three big databases
Health records database, Electronic medical record database, populace information database.

Six: to build six application information systems
1. medical services  2. public health services  3. family planning services  4. pharmaceutical administration  5. medicare  6. Integrated management

One: to Build a whole set of convenience service information system
1. Led by planning and standards, we built high-quality healthcare information platform

(2) We have created health and medical information platforms and big data centers

We have created health and medical information platforms and big data centers. Based on residents’ health records, which covers over 60 public hospitals, 613 social healthcare centers and all the public sanitation organizations.
2. We improved healthcare service quality with information technology innovation

(1) We have built all-around information platforms for health services

Through government websites, WeChat Official Account, and APP, we have built all-around information platforms for health services. Meanwhile, we have promoted “Health Card” among all residents based on health security cards and UnionPay cards. With the card, residents can register and make payments by self-service.
2. We improved healthcare service quality with information technology innovation

(2) We promoted full range electronic medical services

Have established China’s largest online reservation platform and APP.
2. We improved healthcare service quality with information technology innovation

(3) We promoted the innovation of public sanitation service mode

With the development and application of “Vaccination APP”, Shenzhen has taken the lead in China in the promotion of “Internet plus vaccination” service.
3. We boosted environment improvement for people’s health through information technology innovation

First, we built an information network to monitor and control factors that severely influence public health like pollution brought by production and daily living, and the pollution of atmosphere, water and soil.

Second, we established information systems of monitoring, tracing, warning and forecasting drinking water and food, covering the whole process from source, production, circulation and consumption, to secure food safety.

Third, we built and improved information systems for urban transportation safety, production safety, and public health emergency response.
4. We boosted the development of smart health industry with information technology innovation

First, we have formulated a standard system for the application of big data of health and medical care as well as a protection system for big data security and privacy, and have built an open platform of big data.

Second, we have promoted the Cultural and Industrial Park of National Health and Medical Care Technology to be established in Shenzhen.

Third, we promoted the application of gene sequencing, modern genetics, molecular imaging and biological information and developed precision medicine. Furthermore, Shenzhen explored the integration of big data research and life health industries like medicine, health management and medical equipment.
Technology changes our lives, and information connects the world. It is foreseeable that in the era featuring rapid development of information technology, the Internet, Internet of Things and big data will be closely related to and integrated with all the aspects of sanitation and health sectors. These technologies will deeply influence and boost the creation of a healthy city. Shenzhen is willing to “connect and communicate” with its domestic counterparts and sister cities worldwide, making contributions to a healthy China and a healthy world!
Thanks!

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科技改变生活 信息联通世界