



Informatics delivers healthcare gains for Guiyang, China

CUSTOMER
**National Health and Family
Planning Commission**

LOCATION
Guiyang, China

INDUSTRY
Healthcare



Challenge

- Establish an information platform for more than 100 medical and healthcare institutions
- Upgrade the department's supervision capabilities in informatics
- Increase community access to healthcare information



Solution

- Core information platform established
- DXC Modernized Apps and DevOps services, categorizing apps according to function and purpose to streamline the portfolio
- Big data analytics incorporated to improve decision making



Results

- Improved medical policies and the ability to more effectively drive reforms
- Obtained higher standards of information for the medical community
- Enhanced community access to information and recognition of the medical and healthcare sector



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China's National Health and Family Planning Commission manages more than 100 primary medical and healthcare institutions in the city of Guiyang. To improve care and prepare for the future, the Commission wanted a single information platform so it could more effectively coordinate and deliver coverage across all those institutions in this growing city of southwest China.

"DXC's innovative aspect lies in two areas: cloud computing technology and big data analytics technology."

— **Chen Shuhuai**
Information architect
National Health and Family
Planning Commission

To achieve this, the Commission knew it needed to upgrade the department's supervisory capabilities in informatics. "Our supervision capabilities in informatization were relatively weak, so we were unable to complete the effective management of all the medical institutions within our city's district," says Chen Shuhuai, information architect for the National Health and Family Planning Commission.

The Commission, Shuhuai says, also was unable to achieve true data sharing and interconnectivity for medical institutions at different hierarchical levels, and between medical institutions at the same level.

As a result, Shuhai says, "We were unable to coordinate processes such as referrals to specialists, tiered diagnosis and treatment, remote diagnosis and treatment through an information system."

A platform to serve 7 million and growing

To build a foundation for improvement and to accommodate future growth, DXC established an integrated management system that covers regional medical institutions, medical businesses and a population of 7 million people. The system improves data sharing between medical and healthcare institutions and facilitates the collaboration of processes between medical institutions. It also minimizes the investments necessary for all to participate.

DXC Modernized Apps and DevOps services created six categories of apps that enable core business processes, including supervision from governmental departments, the informatization of primary healthcare institutions, residents' health apps, big data analytics and more. The platform uses big data analytics technology in the government's decision-making process for their supervision, and for residents' medical records.

A proactive partnership improves healthcare access

DXC's solution is playing a vital role in the implementation of reforms in national medical policies and the development of an overall plan for the informatics of the country's health and medical sector. The connected health platform has compiled the records of citizens throughout the province. Better information gathering, analysis

and sharing have raised the standard of information for the medical sector in Guiyang. These elements have also improved the public's access to and recognition of the medical and healthcare sector.

"DXC's innovative aspect lies in two areas: cloud computing technology and big data analytics technology," Shuhuai says. "First, our core processes platform is deployed in our cloud. For primary healthcare institutions, as long as they have access to the private network, there is no need to purchase other additional IT equipment. Secondly, DXC utilizes big data analytics technology in the government's decision-making process for their supervision, and for residents' medical records."

The Commission has been working with DXC for 3 years. "I feel that they are always proactive and able to respond to our requests and requirements in a timely manner." We hope to have more in-depth collaboration with DXC in the future."

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