

Healthcare

Scaling up healthcare services

Chongqing Health Center for Women and Children

To support rising patient numbers, Chongqing Health Center for Women and Children deployed a new IT infrastructure based on Lenovo ThinkSystem solutions. The new platform supports modern healthcare applications, empowering the hospital to serve a growing community of patients effectively.

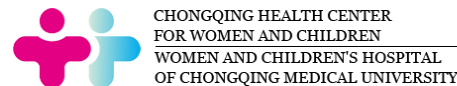


Lenovo

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Who is Chongqing Health Center for Women and Children?

Founded in 1944 in Chongqing, China, Chongqing Health Center for Women and Children (CQHCWC) is a tertiary hospital focused on maternal and child healthcare, scientific research, and teaching. With 1,000 beds, the hospital serves the Ranjiaba and Qixinggang districts, treating 44,400 inpatients and over 1.7 million outpatients and emergencies annually. Each year, the hospital delivers more than 18,000 babies—the largest number of deliveries across the entire Chongqing municipality.



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The Challenge

Physicians, clinicians, and staff at Chongqing Health Center for Women and Children rely on digital systems to do their work. These include the organization's hospital information system (HIS), which helps manage medical, administrative and financial processes, and its picture archiving and communication system (PACS), which allows physicians to store and access data from medical imaging devices.

To help it better manage growing patient numbers, CQHCWC decided to deploy a modern HIS. Liu Jianfeng, Information Center Director at the health center, explains: "Our existing data center infrastructure was very old, and lacked the compute, storage and networking resources that the new HIS demanded. So, we set out to find an infrastructure platform that would support us for the long term."

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“We established several decision criteria for a new IT infrastructure. In addition to high levels of performance and reliability, we wanted to ensure the platform offered excellent availability—helping to ensure that our digital services are online round the clock.”

Liu Jianfeng

Information Center Director,
Chongqing Health Center for Women and Children

Ensuring always-on services

CQHCWC engaged Lenovo to replace its aging data center infrastructure. To support the new HIS, the hospital selected high-performance Lenovo ThinkSystem SR590 and Lenovo ThinkSystem SR860 servers connected to a Lenovo ThinkSystem DM7100F unified all-flash storage array. To create the headroom for long-term growth in PACS data, CQHCWC augmented its storage capacity with a Lenovo ThinkSystem DM7100H unified hybrid storage array.

Liu Jianfeng comments: “We deployed our new Lenovo infrastructure in an active/active configuration. By replicating data in real time, we can deliver high availability for our key applications.”

Hardware

Lenovo ThinkSystem DM7100F
Lenovo ThinkSystem DM7100H
Lenovo ThinkSystem SR590
Lenovo ThinkSystem SR860

Software

VMware vSphere

Services

Lenovo Deployment Services



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“Working with Lenovo was a very positive experience. The Lenovo team provided us with a high-quality service—from initial sizing and procurement through to delivery and post-implementation support.”

Liu Jianfeng

Information Center Director,
Chongqing Health Center for Women and Children

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Results

Today, CQHCWC runs its core applications in VMware virtual machines on the Lenovo ThinkSystem platform. Equipped with the new Lenovo infrastructure, CQHCWC has gained the performance, availability, and scalability to deliver next-generation digital capabilities to its stakeholders.

“Thanks to our Lenovo ThinkSystem solutions, we’ve created a robust platform for our new HIS,” confirms Liu Jianfeng. “As our patient volumes grow, we have the peace of mind that our infrastructure will support our requirements for years to come.”



High performance for demanding healthcare applications



Delivers 100% availability for mission-critical systems



Offers easy expansion to support ever-growing patient data

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“In our view, Lenovo data center solutions offer among the best performance and reliability in the entire IT industry.”

Liu Jianfeng

Information Center Director,
Chongqing Health Center for Women and Children

Why **Lenovo**?

CQHCWC selected Lenovo for its maturity in the data center space and its strong track record of solution implementations in the healthcare industry.

“Lenovo offers server, storage, and software solutions that are performant, reliable, scalable, and easy to manage—an ideal combination for our organization,” says Liu Jianfeng. “Another factor in our decision was Lenovo’s team of expert technical personnel. In all our interactions with Lenovo, we were very impressed with the depth and breadth of their knowledge. We also greatly appreciate their responsive support during installation, deployment, and tuning.”



How can healthcare providers deliver always-on digital services?

Chongqing Health Center for Women and Children uses Lenovo solutions to provide 24/7 access to healthcare systems.

[Explore Lenovo ThinkSystem solutions](#)