The alarming epidemic confronting healthcare:
BIG DATA

World data
30%
Nearly 1/3 of the world's data is generated by healthcare and it's only going up.[1]

Research
250,000
Genomics research is exploding. The number of human genomes decoded rose from 40,000 to 250,000 in a single year.[2]

Medical devices
500,000
More than half a million digital products are keeping people healthy today. Emerging intelligent solutions will rise exponentially tomorrow.[4]

Medical records
95%
By 2020, 95% of all health systems will be working exclusively with electronic medical records and diagnostic tools.[3]

Data storage requirements quadruple every 3 years

The rising tide of electronic medical information, unstructured data and imaging records poses unprecedented challenges for data centers that face infrastructure limitations. There is a need for continuous operation and access. Systems and data need to be more manageable. With more visibility, security and measurement. The data center needs to be an integral part of the facility's operation.[5]

2015 2018 2021 2024 2027 2030 2033 2036 2039

The successful management of tomorrow's healthcare data centers requires critical care today.
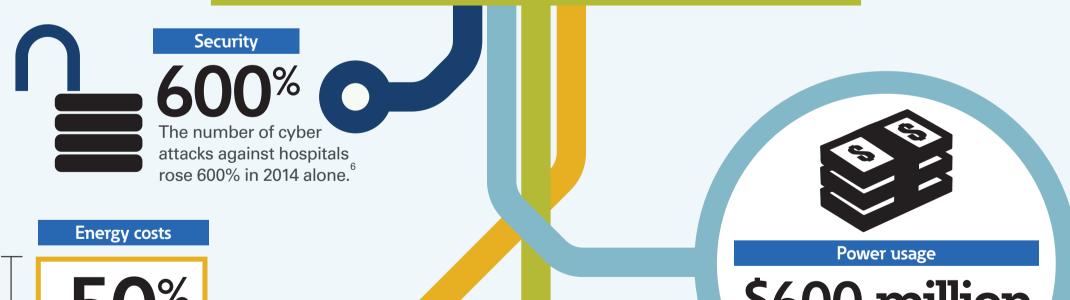
Scalable, flexible, reliable and efficient power management solutions that align the needs of the data center to the needs of the healthcare operation are essential to meet ever-increasing demands.

Security
600%
The number of cyber attacks against hospitals rose 600% in 2014 alone.[6]

Energy costs
50%
Over the last decade, energy costs have risen 50% per square foot at hospitals.[8]

1' 1' 1'

Power usage
$600 million
Electricity demands account for $600 million of healthcare costs and are an increasing pressure.[7]

Eaton is ready with the cure.

The transformation of healthcare presents extraordinary data requirements, costs pressures and operational challenges. Eaton can equip you for this new age today. We engineer power management systems to keep your organization thriving. Never missing a single critical beat. Our holistic design approach optimizes energy usage, cuts operating costs and offers scalability. Innovative backup power protection, distribution and lighting solutions deliver unrivaled reliability and safety. Eaton expertise can power you through healthcare's dramatically changing landscape today. And tomorrow.

Follow the Charge »

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Sources: 1. BridgeHead Software 2011 International Healthcare Data Management Survey, January 2013. 2. EmTech: Illumina Says 228,000 Human Genomes Will Be Sequenced This Year," by Antonio Regalado for Technology Review Magazine, September 24, 2014. 3. The Digital Universe Driving Data Growth in Healthcare," published by EMC with research and analysis from IDC, November 2014. 4. Celine Miani, Enora Robin, Veronika Horvath, Catriona Manville, Jonathan Cave and Joanna Chataway, with contributions from IBM. "Health and Healthcare: Assessing the Real-World Data Policy Landscape in Europe." Rand Corporation Europe. 2014. 5. John DeGaspari, "Managing the Data Explosion," Healthcare Informatics (www.healthcare-informatics.com). October 1, 2013. 6 Cadie Thompson, "Hack attacks on hospitals jump 600% this year," CNBC.com, September 24, 2014. 7. World Health Organization. 8. Office of Energy Efficiency & Renewable Energy, www1.eere.energy.gov/buildings/energysmarthospitals/m/bottom_line.html