FirstLight® Powered by ciena

Better Connectivity.
Better Patient Outcomes.

New tech advancements are transforming the delivery of care. Empowering providers and elevating patient experiences requires CIOs to embrace digital transformation and emerging innovations.

Your Investment

75%

of healthcare executives rate digital transformation as a critical priority.[1]

Security

$9.8M

average cost of a data breach[2]
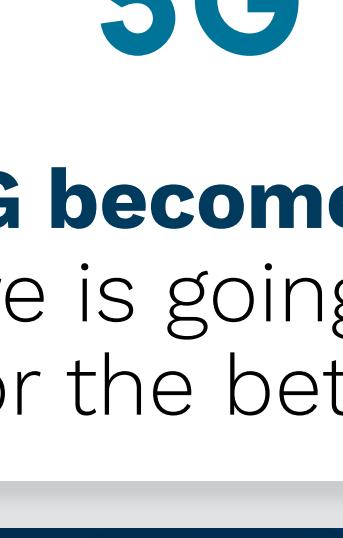
| 5G	AI	Outages
5G		
Where 5G becomes a reality, healthcare is going to change for the better[3]	**75%+ of clinicians** are already using AI or will be very soon[1]	**$208,600 avg.** amount of lost profits due to down time[4]
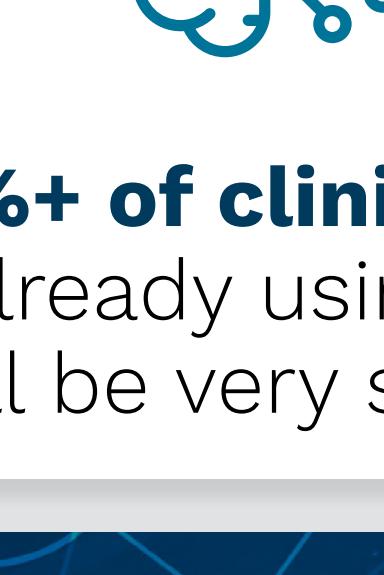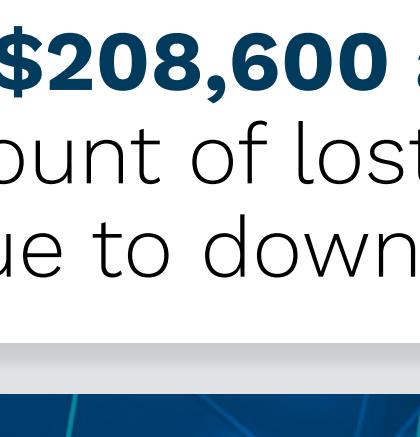
Clinical Application **Bandwidth Requirements**

80 MB
1 patient generates up to 80 MB annually[6]

137 TB
Providers create roughly **137 TB of new data every day**[7]

$10 B+
Global healthcare data storage is expected to **pass $10B annually by 2027**[5]

10 ZB+
Healthcare data will soar **past 10 ZB by 2025**[5]
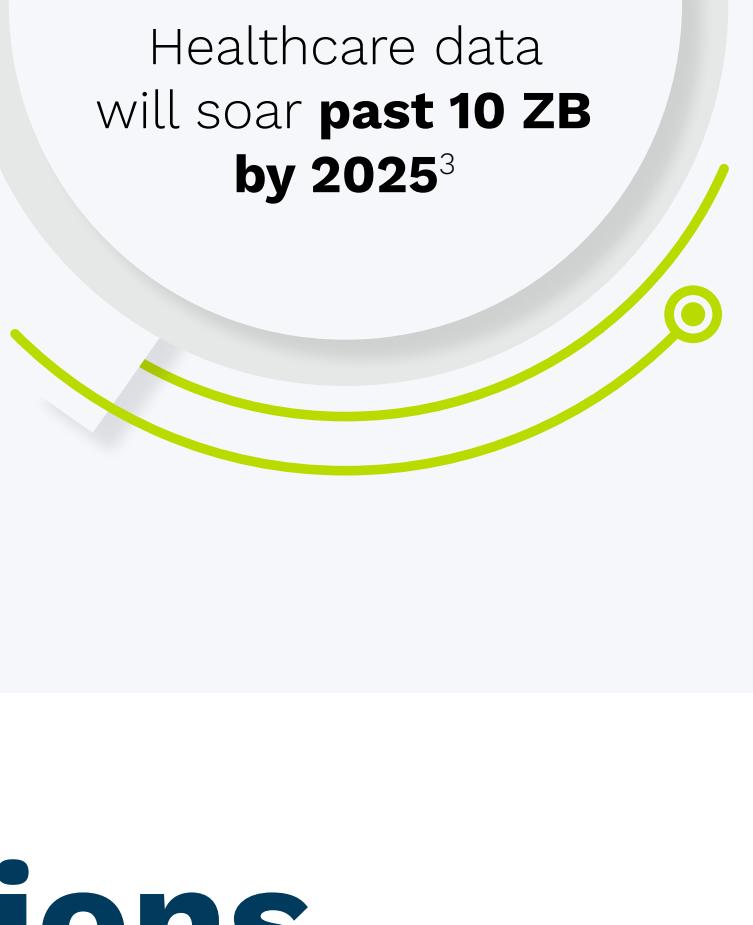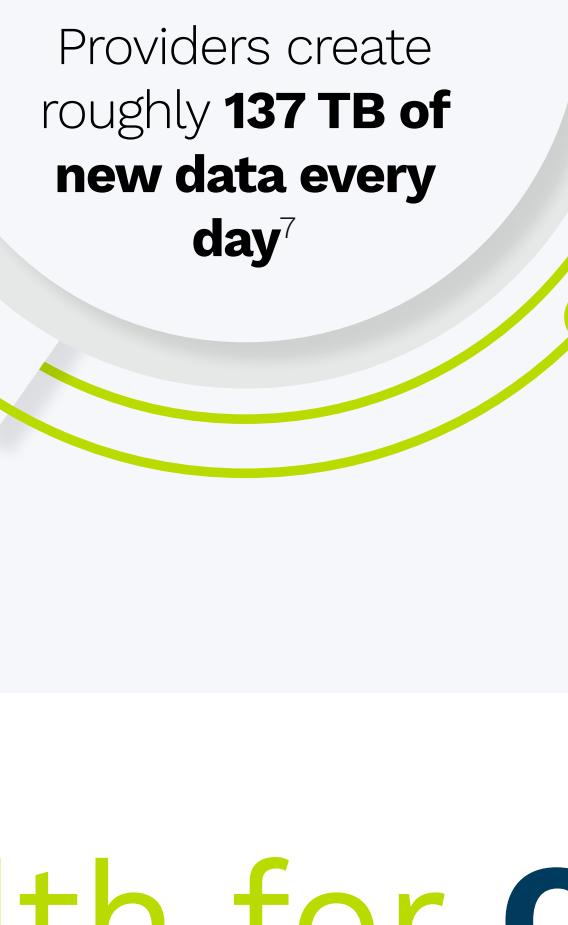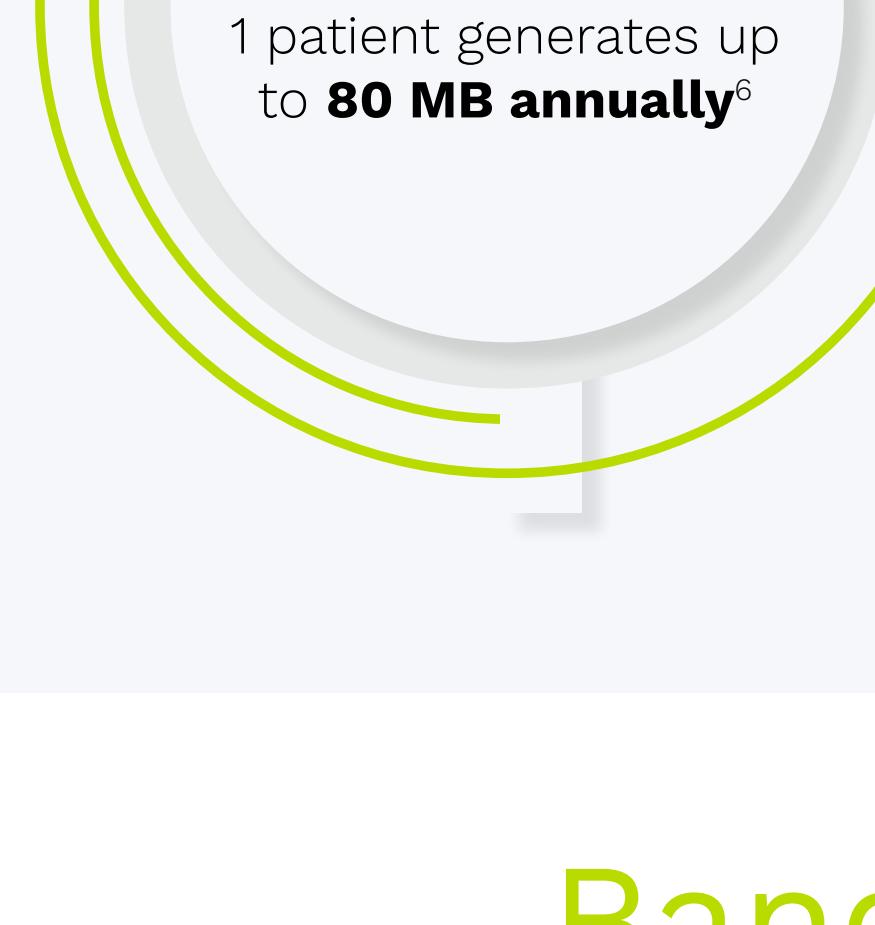
Bandwidth for **Clinical Applications**

DBT images can range from **450 MB to 3 GB**[8]

A single CT scan data set can reach **up to 30 GB**[8]
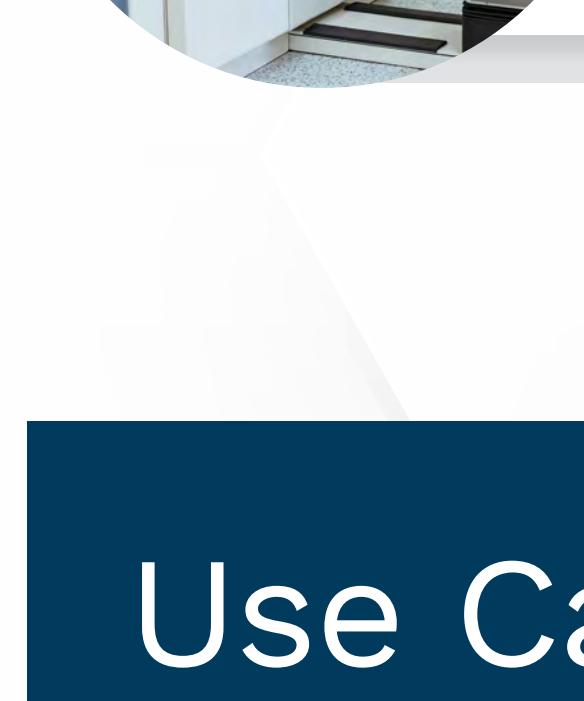
~200 MB avg. cardiac MRI exam[9]
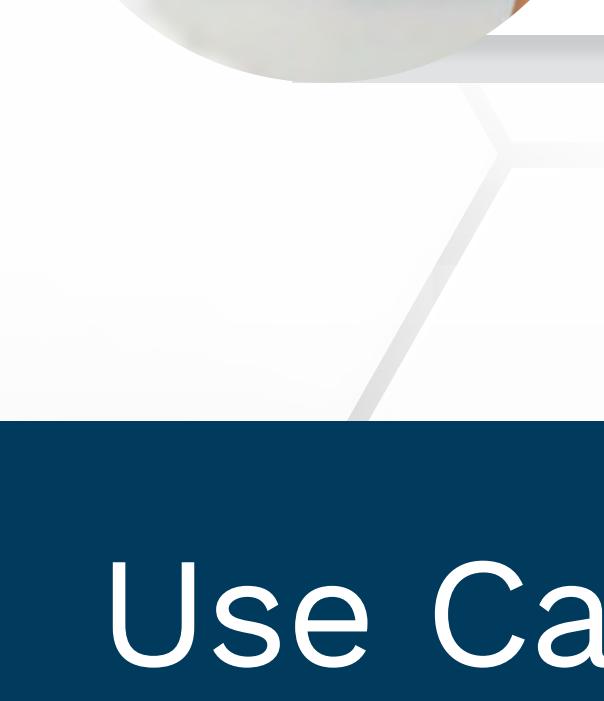
~20 GB avg. ViosWorks exam[9]

Use Case – **Deliver Advanced Patient Care**

Having **adequate bandwidth** positions local healthcare providers to deliver cutting-edge services that better serve patients.[10]

Use Case – **Cost Savings**

Virtualizing infrastructure functions can **cut IT costs by up to 30%** by reducing hardware needs, lowering power consumption, and extending network hardware lifespan.[11]

[1]McKinsey & Company
[2]HIPAA Journal
[3]IDC
[4]FierceHealthcare.com
[5]Forbes
[6]Fierce Healthcare
[7]HealthTech Magazine
[8]Purview
[9]Diagnostic and Interventional Cardiology
[10]Ciena
[11]IBM

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