



**HEALTHCARE COMPANY?  
Cure Your IT Ailments  
with Business Continuity**

## Entire systems can fall victim to ransomware, locking healthcare providers out of important patient data.

As a healthcare company, your patients are your number one priority. Part of your obligation to them is to keep their health-related information as confidential as possible. This information can include their health history and insurance and financial information. Should any of this information become compromised, it can hinder your ability to deliver healthcare services.

Healthcare regulations are constantly evolving and, in order to meet new industry standards, more and more healthcare businesses are actively converting medical records into electronic versions. As this trend continues, it's no surprise that the industry has been hit hard recently by cyber attacks. The companies affected are paying huge sums to recover. Entire systems can fall victim to ransomware, locking healthcare providers out of important patient data. As people's lives can quite literally depend on a healthcare provider's ability to access their health information, there isn't any time to waste.

### A False Sense of Security

While you may be taking some precautions, such as securing and backing up your sensitive data, sometimes that's not enough. There is a common misconception that data is safe if backed up once a day, but this outdated practice is no longer sufficient for several reasons:

- If you forget to perform the backup or the backup process fails, you're not protected.
- If you only back up your files once a day, you're left vulnerable to the loss of an entire day's work.
- If you don't properly validate your backup files, you could be in for an unpleasant surprise when you actually try to use those files to restore your company's operations.
- If you only back up your files on-site, you could lose them too—leaving you with no way to meet client requests.
- If you only back up your raw data, rather than all your application and server configuration files, it could take several days to restore your practice—because you will also have to rebuild your servers, operating systems, applications, etc.

Ultimately, there's a lot that can be missed when implementing a backup strategy, so it's important to get it right the first time around. Keeping your patient data properly backed up and protected will help you focus on what matters- the patients you care for.

### How Vulnerable Are You?

If your company identifies as a business that doesn't have the IT resources to effectively recover from a major outage, make sure you're weighing all of the factors around the costs of downtime. Here are the facts:

- US businesses lose \$12 billion annually due to data loss.<sup>1</sup>
- 93% of companies that lose their data center for 10+ days file for bankruptcy within one year.<sup>2</sup>

## Best Practices for Healthcare IT

In a 2014 study by the Poneman Institute, 91% of healthcare organizations experienced at least one data breach. The industry as a whole has experienced 125% more criminal attacks on their data than in years passed. Of the organizations who were affected, breaches cost roughly \$2 million per company.<sup>3</sup> Attacks on the healthcare industry are clearly on the rise, but there are some precautions you can take to safeguard your data:

- Outsource your company's IT needs to an expert who has experience in the healthcare industry.
  - Look for a [company educated in HIPAA](#) with a team that's dedicated to security and compliance.
  - Ask for references so you can hear from fellow healthcare professionals about their experience with the company.
- Don't sacrifice quality to save money when purchasing hardware. It will benefit you (and your bottom line) to have strong technology in the long run.
- Perform timely hardware and software updates, maintenance and backups.
- Establish, review and maintain system security of all practice technology. Any company that has not recently re-assessed its backup and disaster recovery procedures should therefore do so in order to conform to these industry-standard best practices.

Take it from a healthcare company who has dealt with a fair share of attacks to their data. When their pharmacy fell victim to a destructive robbery, the team at [Complete Pharmacy Care](#) was able to get back to business thanks to their business continuity solution.

"Because of the physical damage, had we not been on the cloud we absolutely would have gone bankrupt because it would have taken us six weeks to rebuild all of the equipment. But because we could get on the cloud, we brought in laptops and dialed into the cloud and were able to start servicing patients by Tuesday. We were able to start serving patients on a limited basis on Tuesday. We were only down one day. Had we not had a second copy of our data already up in the cloud, we would not be having this conversation." Leonard Lynskey, CEO, Complete Care Pharmacy.

## The Better Way: Business Continuity

Business continuity describes a complete solution for backup and disaster recovery. A true business continuity solution will protect data on-premises and in the cloud. Whether data is on servers or in SaaS applications, it needs to be backed up. Business continuity goes a step further and offers you the ability to restore your data, which we call disaster recovery.

Whether a business is faced with a natural disaster, or one man-made, a strong solution will have you up and running in minutes. Solutions that leverage the hybrid cloud can guarantee a quicker restore time as well.

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The Poneman  
Institute

## A true business continuity solution will protect data on-premises and in the cloud.

Why? Local backups are great to keep data stored on local devices, but if something happens to that device, then what? A hybrid cloud backup solution takes an initial backup on a local device, and then replicates the backup to a cloud server. Cloud-only solutions are not as reliable on their own due to bandwidth issues. A hybrid model works to alleviate the vulnerabilities by implementing both processes to fill in the gaps. That's intelligent business continuity.

### The Better Way with BinaryLogic Inc.

BinaryLogic offers a superior solution for safeguarding the day-to-day wellness of your business. Automatically backing up both your practice data and your server/application configuration files for you continuously throughout the day—storing them on both a device in your office and in the cloud. BinaryLogic also continuously validates the integrity of your data and configuration files to ensure your backups are functional and have not been corrupted by a virus or other malware.

In the event that your office experiences a hardware failure, extreme weather event, or any other calamity, the solutions deployed by BinaryLogic help by enabling you to keep running your practice from either your local backup device or your cloud files.

Advantages of BinaryLogic support include:

- All backups are performed automatically and reliably for you.
- You can have full confidence in your ability to recover from any sort disaster.
- You can restore your practice operations quickly with a single phone call to BinaryLogic

Have confidence that your practice is protected against any outage resulting from a disaster. You won't have to worry about the potential financial consequences of such a disaster—and neither will your clients.

It's time to safeguard the credibility of your practice the same way you safeguard the credibility of your clients. Call BinaryLogic today at 780-665-6677 for a free assessment, no-obligation assessment of your practice's backup and recovery needs.

Sources: <sup>1</sup>Beyond Technology, <sup>2</sup>National Archives & Records Administration,

<sup>3</sup>The Ponemon Institute

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