

Leading private hospital consolidates email protection to secure VIP guests' data "Crown Jewels".



KING EDWARD VII'S HOSPITAL

Most healthcare IT bosses are keenly aware of the need to protect patient data. They also know that email is still the number one threat vector into their organization. But few have a task quite like Richard Andrews, Head of IT at King Edward VII's Hospital in central London. His employer's extensive list of VIP patients, including members of the Royal Family, raises the stakes significantly when it comes to email security.

With Barracuda Networks on board, Andrews has peace of mind that threats are being kept at bay while freeing-up time for his small team to focus on high-value tasks.

Under one roof

Healthcare has emerged in recent years as one of the most frequently targeted of any vertical. Patient data has grown in value as cyber-criminals realize it often contains lucrative financial and identity information that can be used across a wide range of scams. At the same time, hospitals in particular have been on the receiving end of an uptick in ransomware attacks, often using APT-style tactics, since the start of the pandemic.

At King Edward VII's Hospital, Andrews must not only tackle these but also the extra challenges associated with securing the data of VIP clients. This personal information could be highly sought after by both cyber-criminals and nation states operatives. The reputational and financial repercussions for the hospital of a major breach would be severe. Healthcare is already the most expensive sector in terms of breach costs, at \$8.6m (versus a global average of just \$3.9m).

The value of the data therefore more than makes up for the

Profile

- King Edward VII's Hospital is an independent private hospital in London's Harley Street
- It has been providing patient care since 1899
- It counts numerous VIPs and Royal Family members among its patients

Challenges

- Attackers targeting VIP patients' data
- Multiple email security point products
- A small IT team

Solutions

- Barracuda Total Email Protection

Results

- A more productive IT team
- Easier to manage, unified email security protection
- Threat protection to mitigate reputational/financial risks of breach

hospital's relatively small attack surface—which numbers around 150 endpoints shared between administrative and clinical staff. The challenge was magnified still by the relatively small IT team managing this environment. That's why Andrews was looking to consolidate email security onto a single provider, in advance of a migration project from Exchange to Office 365.

"The type of data we hold is highly confidential so it was important for us as an organization to feel extremely secure and that we have a robust security system around that data," says Andrews. "We used a number of suppliers for our encryption and email security previously and a big driving force for me was to have that under one roof: someone who could provide all we needed on the email security side of things."

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Why Barracuda?

Working with Barracuda partner Altinet, Andrews chose to consolidate on Barracuda Networks Total Email Protection— attracted by the cost savings on offer and functionality including Cloud-to-Cloud Backup and encrypted email. These sit alongside a range of other features such as AI-powered phishing protection, Advanced Threat Protection, outbound filtering, email archiving, forensics and incident response, to offer a comprehensive email security solution.

Deployment was "seamless," says Andrews.

"The team at Altinet showed me to be very proactive and wanting to help rather than simply trying to sell us a product. We were very impressed," he adds. "They supported us step-by-step through the whole way and it was totally pain-free."

Defense-in-depth

The solution now offers Andrews and his team highly effective threat protection to stop advanced threats and minimize the reputational and financial risks associated with a serious security breach. Not only that, but both the product's ease of use and the support Barracuda and Altinet have been able to deliver has meant a more productive IT team at King Edward VII's.

"Everything is very centralized, so seeing what's coming in and going out, blocking and releasing emails is very user-friendly," Andrews explains. "It's made our life so much easier and the support we received through Barracuda and Altinet was first class, which allowed us to free-up our own resources."

The solution sits alongside third-party threat protection solutions to offer defense-in-depth security at every layer of the IT infrastructure, stopping spam, phishing and impersonation attempts in their tracks. Over the coming months, as the hospital's Office 365 migration takes shape, it will be able to unlock even more value from the suite by switching on Cloud-to-Cloud Backup, AI engine Sentinel and other functionality. Edward VII's VIP guests can be assured that their data "Crown Jewels" are safe with Barracuda.

Learn more about Barracuda Total Email Protection

barracuda.com/products/totalemailprotection

