

PATIENT SAFETY IN THE CONNECTED WORLD HEALTHCARE



HOW TO PROTECT AND CARE FOR PATIENTS IN THE CONNECTED ECOSYSTEM

ZYGOTEK

Strategic Risk  Managed Outcomes

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AN OVERVIEW

There has been an upward trend in healthcare data breaches over the last decade, with current year seeing more breaches reported than any other year since records first started being published. In ransomware schemes, attackers hold a hospital's or a physician's data hostage until money is paid, interrupting services and putting patients' lives at risk.

There have also been notable changes over the years in the main causes of breaches. The loss/theft of healthcare records and ePHI has dominated the news, while addition of new patient care technologies and IOT devices continue to exponentially increase the vulnerabilities targeted by bad actors and reduce quality of patient care.

The healthcare data breach statistics show the main causes of healthcare system attacks and data breaches is now hacking/IT incidents, with unauthorized access/disclosures also commonplace.

What this tells us is that a vast majority of healthcare organizations today are simply unequipped and inexperienced in dealing with this exponential threat.

It's clear that significant steps need to be taken within a majority of healthcare organizations to address growing vulnerabilities as cyber attacks continue disrupting health care personnel's ability to provide lifechanging and life-saving capabilities.



158

healthcare organizations suffered a breach in 2018 as compared to 27 in 2015 with \$6.2B annual cost of breaches.



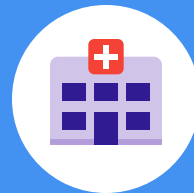
\$5.4 billion

is the estimated cost of records breached 2018 with \$2.2M being average cost for each breach for a healthcare organization.



13 Million

records were breached in 2018.



Nearly 1/2

of the ransomware incidents reported in 2018 involved healthcare companies.



4 in 5

U.S. physicians have experienced some form of a cyber security attack

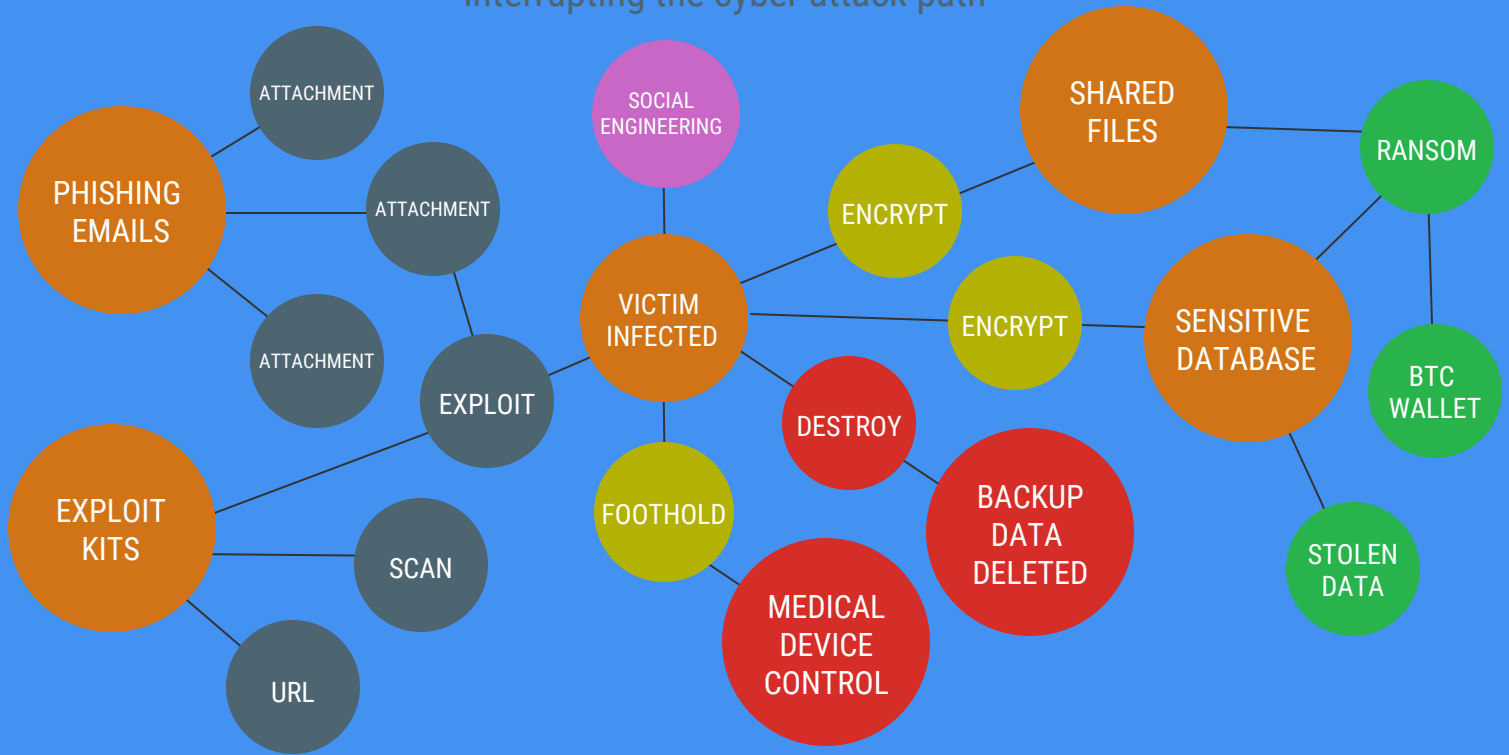


Over \$27 billion

in fines and settlements in 2018 from HIPAA covered entities and business associates who had violated HIPAA Rules.

OUR METHODOLOGY

interrupting the cyber attack path



IDENTIFY EXPOSURES
& SUSCEPTIBILITY



DETECT & PREVENT
EXPLOITS / C&Cs



PREVENT PROACTIVELY
& RECOVER RAPIDLY



Assess your exposures and mitigate your weaknesses

We evaluate your perimeter and internal networks, endpoints, health care devices, servers, and infrastructure devices looking for security weaknesses that bad actors will attempt to exploit and help you remediate the exposures.



Stay calm and be confident during a cyber crisis

Knowing what to do in the first 5 minutes of a cyber incident or data breach can save you a lot of time and money in the future. We collaborate with you on how to prevent the breach from rapidly spreading across your enterprise.



Eliminate uncertainty and recover the business quickly

We help you build, test, and implement business recovery strategies that can be executed anytime to recovery from cyber attacks while helping you to prevent the exposures proactively and provide guidance on regulations.

WHO WE ARE

A powerful combination of CISOs, CTOs, CIOs, and experienced Consulting Partners.

The Zygotek team is different from other consulting firms because we are world-class executives who have spent time "in the trenches" mitigating risk, enabling opportunities, and delivering results for our companies.

We use specific set of proven principles and processes to collaborate with you and your team, to mitigate your risk, provide transformative insights, fast execution, and deliver the maximum business value for your investment.

WHAT WE DO

We help clients mitigate their strategic and digital risk, identify and act on strategic opportunities, drive new sources of revenue to their top line, and to reduce their bottom line costs. We deliver these results by following our simple four-phase methodology:

- Assess – Using our experience, we quickly and effectively assess your situation.
- Advise – Provide recommendations and roadmaps to get you where you need to be.
- Act - Using highly skilled small teams, we help you implement solutions with a rapid payback.
- Assure – To protect your investment, we conduct periodic reviews and recommend improvements.



"Trusted Advisor"

"Immediately became a trusted advisor and played a critical role in developing all of our InfoSec functions." -Global manufacturer



"Above and beyond"

"Tackles projects in an extremely organized and detailed manner, communicating at timely intervals, and going above and beyond to produce quality deliverables." -Consulting firm



"Value-add capabilities"

"Helped us develop and implement an enterprise security plan and transformed dysfunctional processes into value-add capabilities. They were an invaluable addition to our team." -Technology agency

Our experience includes helping numerous global companies in all verticals, including:

- Pfizer
- Moody's
- Johnson & Johnson
- Altisource
- St. Joseph Health
- CDC
- GIA
- HBO
- Molecular Devices
- ABSciex
- EDeal
- DeAnza College
- Ciba Specialty Chemicals
- GoPro
- Informatica
- Country of Santa Clara
- VMware
- Canadian Tire
- eBay