



## PRESENTERS

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Cyber Chat)

# Healthcare Cyber Security

...A PANEL DISCUSSION ABOUT WHAT IS HAPPENING AND  
WHAT CAN POTENTIALLY BE DONE ABOUT IT...

# Healthcare Cyber Security Headlines

BANK INFO SECURITY | January 22, 2018

**Allscripts Ransomware Attack a Reminder of Cloud Risks**

THE HACKER NEWS | January 21, 2018

**Nearly Half of the Norway Population Exposed in a Healthcare Data Breach**

MODERN HEALTHCARE | December 6, 2017

**18,470 Henry Ford Health System Patients' Data Hacked**

USA TODAY | June 26, 2017

**Anthem to Pay \$115M to Settle Lawsuits Stemming from a Cyber Attack Breach Affecting Nearly 80 Million Members**

# Cybersecurity Preparedness

Sixth Annual Benchmark Study on Patient Privacy and Data Security, Poneman Institute, May 2016



**3%**

assess  
vulnerability to a  
data breach on a  
monthly basis



**47%**

are not confident  
they can detect  
loss of patient data



**89%**

have had at least  
one data breach in  
the last two years



**37%**

are not confident  
controls are in place  
to detect/respond to  
a breach

# Challenges to Secure Healthcare Data

## Security threats appear to be escalating ...



91%

of hospitals have had at least one data breach in the last two years



56%

of healthcare organizations do not believe their incident response has adequate funding and resources



69%

of data breaches were discovered as a result of an audit or assessment



125%

increase in criminal attacks on healthcare organizations vs. 5 years ago

328-LH-02

# Security Threats



# Major Nation-State Actors



China

- Primary Nation-State Actor of Healthcare Records, IP, & Technology
- Responsible for Anthem & Community Health Systems Hacks
- APT 18 - Frequently uses developed or adapted zero-day exploits
- APT 1 (People's Liberation Army ) – Primarily uses spear phishing
- menuPass – Spear Phishing and Lateral Movement through Service Providers
- DeepPanda – Anthem hack



Russia

- Healthcare not a Primary Focus
- Potential Secondary Focus Primarily for De-stabilization of US



Iran

- Healthcare not a Primary Focus

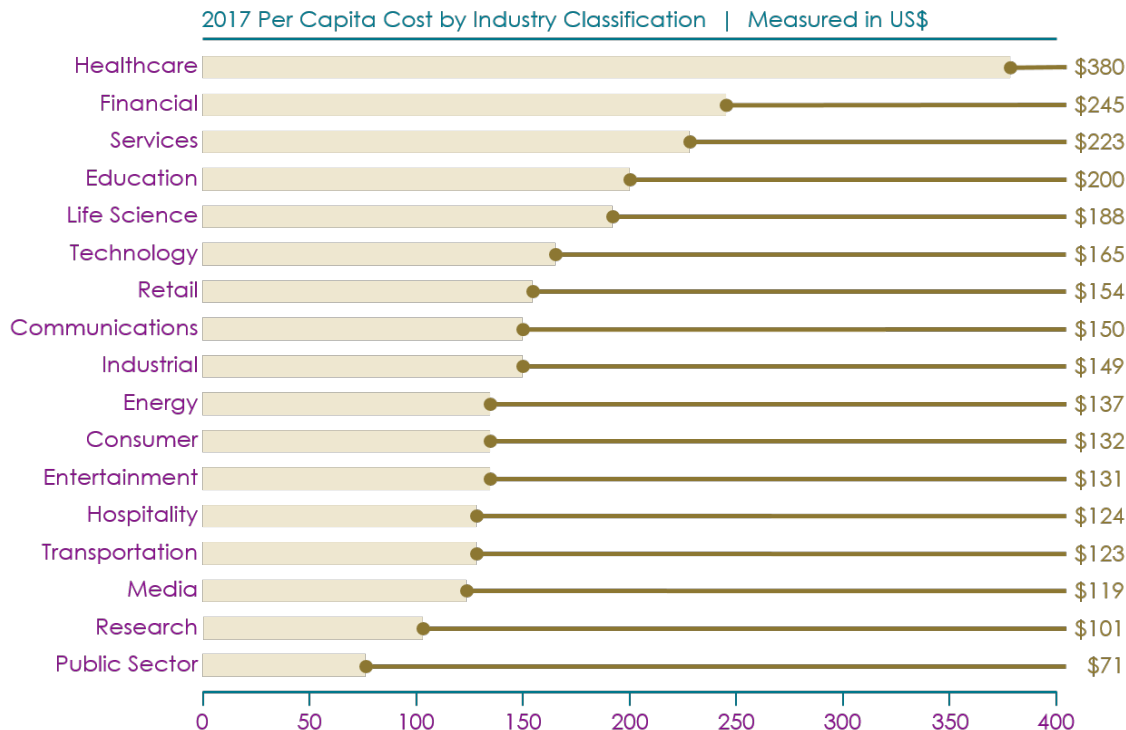


North Korea

- Healthcare Records Likely to be Used for Monetary Gain

# High Cost of Healthcare Data Breaches

2017 Cost of Data Breach Study, Ponemon Institute



# Let's Talk...