



# HEALTHCARE LEADERS PANEL: IT SECURITY

GA HIMSS REGIONAL EVENT COLUMBUS, GA

# TAKE-AWAYS FROM THIS SESSION

1. Insight on specific cybersecurity threats healthcare organizations face on a daily basis
2. Lessons learn and practical advice for reducing the risk of cybersecurity threats
3. A perspective on reaching outside your organizational boundaries to reduce cybersecurity risk & improve preparedness

# CYBERSECURITY BREACH ARE ON THE RISE IN HEALTHCARE

**Healthcare is predicted to suffer 2-3X more cyberattacks in 2019 than the average amount for other industries.**



# CYBERSECURITY BREACHES HEADLINES



NEWS

## 3 phishing hacks breach 20,000 Catawba Valley patient records

by [Jessica Davis](#) | October 25, 2018

While investigating one phishing attack in August, medical center officials discovered 3



NEWS

## CMS responds to data breach affecting 75,000 in federal ACA portal

by [Susan Morse](#) | October 22, 2018

Open enrollment, which begins November 1, will not be negatively impacted, CMS says

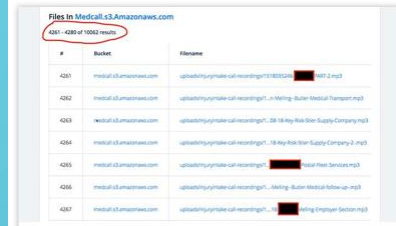


NEWS

## Two phishing attacks on Minnesota DHS breach 21,000 patient records

by [Jessica Davis](#) | October 12, 2018

For more than a month, two separate employee accounts were compromised by the



NEWS

## Update: Misconfigured database breaches MedCall Advisers

by [Jessica Davis](#) | October 10, 2018

A researcher discovered the North Carolina-based tech vendor is lacking protection



NEWS

## 3 Massachusetts hospitals fined nearly \$1 million by OCR for HIPAA violations

by [Jessica Davis](#) | September 21, 2018

Boston Medical Center, Brigham and Women's



NEWS

## Ransomware attack breaches 40,800 patient records in Hawaii

by [Jessica Davis](#) | September 13, 2018

The Fetal Diagnostic Institute of the Pacific was able to restore data from backups, and with help from a cybersecurity firm wipe the



NEWS

## Phishing attack breaches 38,000 patient records at Legacy Health

by [Jessica Davis](#) | August 22, 2018

The hackers went undetected for several weeks at the Portland, Oregon-based health system.



NEWS

## 417,000 Augusta University Health patient records breached nearly one year ago

by [Jessica Davis](#) | August 17, 2018

The Georgia provider was hit by two cyberattacks in September 2017, but did not explain when the breach was discovered.



NEWS

## 1.4M records breached in UnityPoint Health phishing attack

by [Jessica Davis](#) | July 31, 2018

This is the second breach for the health system this year, and the biggest health data breach of 2018 in the U.S.



NEWS

## LabCorp's network breach puts millions of records at risk

by [Jessica Davis](#) | July 17, 2018

Hackers breached one of the largest clinical laboratories over the weekend, forcing a shutdown of the network to contain the

# HEALTHCARE CYBER TRENDS

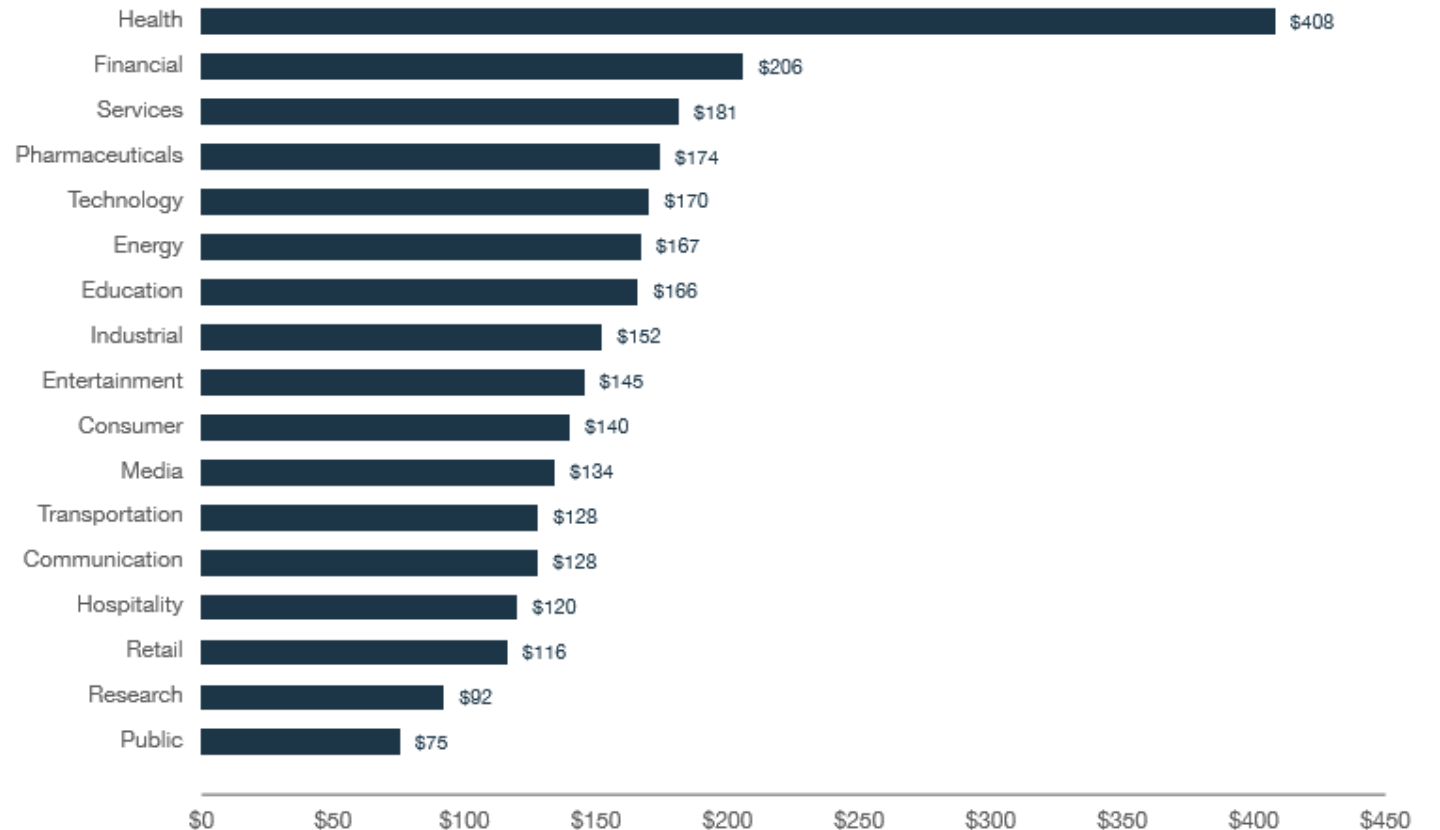
- Healthcare data most valuable
- Phishing/email is easiest method of attack
- Cyber defense improving, but still lagging
- Medical facilities use credit cards nearly as much as retailers
- More are purchasing cyber insurance
- OCR and CMS doing more audits
- Fines being issued for lack of “basics”
- Likely we will get more regulations

# CERTAIN INDUSTRIES HAVE HIGHER DATA BREACH COSTS

- Heavily regulated industries such as healthcare and financial organizations have a per capita data breach cost substantially higher than the overall mean. Public sector, research, media and transportation organizations have a per capita cost well under the overall mean value. (source: Ponemon Institute - 2018 Cost of Data Breach Study)

Figure 7. Per capita cost by industry sector

Measured in US\$



# CYBER CHALLENGES

- Cyber education takes time from patients
- Typing passwords slows down patient care
- So much access to patient data, a malicious insider is difficult to detect
- High volume of external data flows
- Networked medical devices and IoT
- Remote vendor support common
- EHR access from anywhere (required)
- Lack of maturity & high value of data
- And many more!

# MEET OUR PANELIST

- Dee Cantrell, GA HIMSS Board CIO, U.S. Retina
- Lisa Countryman, Information Security Officer, Piedmont Columbus Regional
- Edward McKinney, CISO, Floyd Medical Center
- Patty Lavelly, GA HIMSS Board CIO, Gwinnett Medical Center