



Texas Association for
Home Care & Hospice
Leading ★ Advancing ★ Advocating

56th Annual Meeting
Tuesday, August 26, 2025
3:15pm-4:15pm

PC3a. Population Adapting Clinical Risk Management for IT/Cybersecurity

Presented by:

Brad Maughan, HCISPP, Regional Sales Director, CyberForce |Q
Wayne Pierce, Cybersecurity Program Advisor, CyberForce |Q

Thank you to our Sponsors:





ADAPTING CLINICAL RISK MANAGEMENT FOR IT



© 2025 CyberForceIQ

PROVEN CYBERSECURITY PROGRAM ADVANCEMENT

1

AGENDA

- What are the Odds?
- Why is Cybersecurity Difficult?
- Determinants of Health for IT
- Interventions
- Questions

© 2025 CyberForceIQ

PROVEN CYBERSECURITY PROGRAM ADVANCEMENT

2

TOO SMALL TO MATTER?



<https://www.verizon.com/business/resources/T1b2/reports/2025-dbir-data-breach-investigations-report.pdf>

© 2025 CyberForceIQ

PROVEN CYBERSECURITY PROGRAM ADVANCEMENT

3

IT'S NOT PERSONAL?



[https://cybernews.com/
personal-data-leak-
check/](https://cybernews.com/personal-data-leak-check/)

© 2025 CyberForceIQ

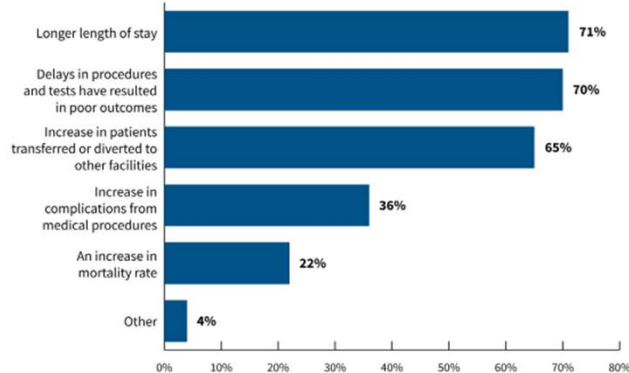
PROVEN CYBERSECURITY PROGRAM ADVANCEMENT

4

THE REAL IMPACT OF RANSOMWARE

Figure 1. What impact does ransomware have on patient care?

More than one response from the 43 percent of respondents in HDOs that had a ransomware attack.



The 405(d) Post, Volume XV (hhs.gov)

© 2025 CyberForceIQ

"The silver lining here is sometimes you have to hit rock bottom. If we're still talking about this as fines or records and not as human life and adverse patient outcomes, then we won't bring the right tools to fix this."

- **Joshua Corman**

PROVEN CYBERSECURITY PROGRAM ADVANCEMENT

5

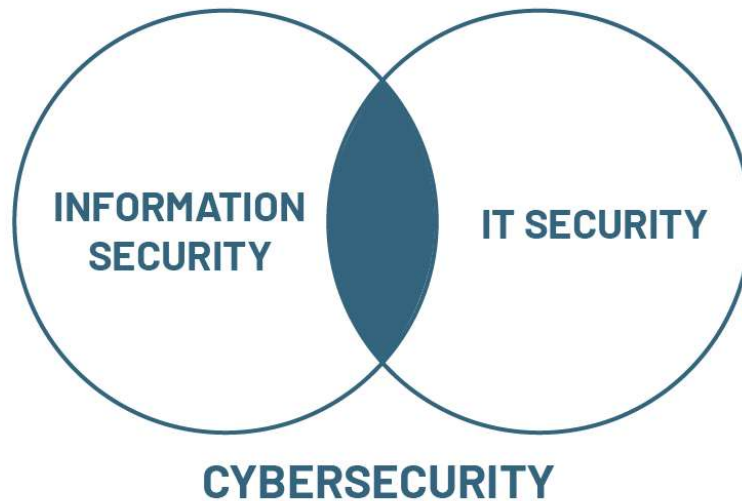
WHY IS CYBERSECURITY DIFFICULT?

© 2025 CyberForceIQ

PROVEN CYBERSECURITY PROGRAM ADVANCEMENT

6

CYBERSECURITY = INFO SEC + IT SEC

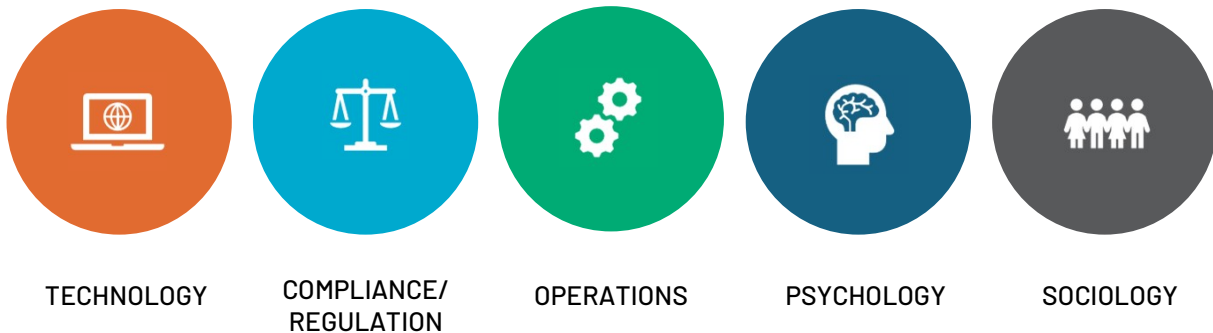


© 2025 CyberForceIQ

PROVEN CYBERSECURITY PROGRAM ADVANCEMENT

7

FIVE ASPECTS OF CYBERSECURITY

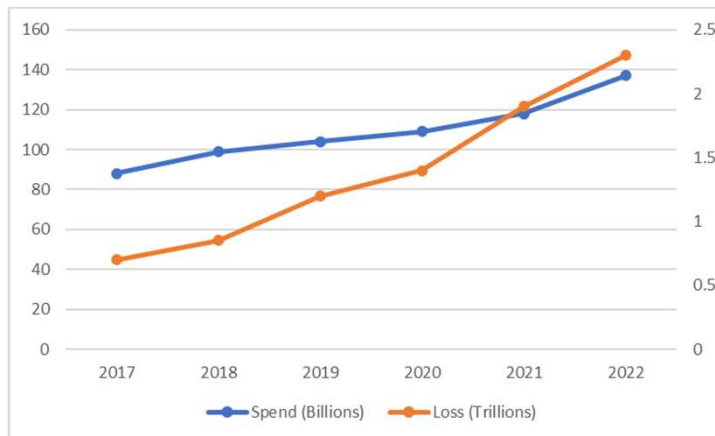


© 2025 CyberForceIQ

PROVEN CYBERSECURITY PROGRAM ADVANCEMENT

8

WHAT IF THIS WAS CLINICAL RISK?



Source: Juniper Research

© 2025 CyberForceIQ

PROVEN CYBERSECURITY PROGRAM ADVANCEMENT



9

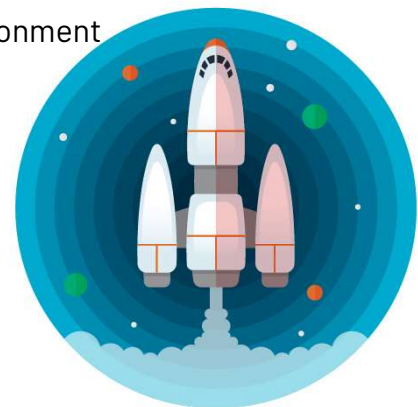
COMPLICATED VS COMPLEX SYSTEMS

• **Complicated**

- Space Launch – 5 computer systems in closed environment
- Structured data

• **Complex**

- Interconnected applications
- Open environment
- Dynamic data
- 3rd party integration / Semantic integration
- Globalization
- Hosted regionally, on-prem, and Cloud



© 2024 CyberForceIQ

PROVEN CYBERSECURITY PROGRAM ADVANCEMENT

10

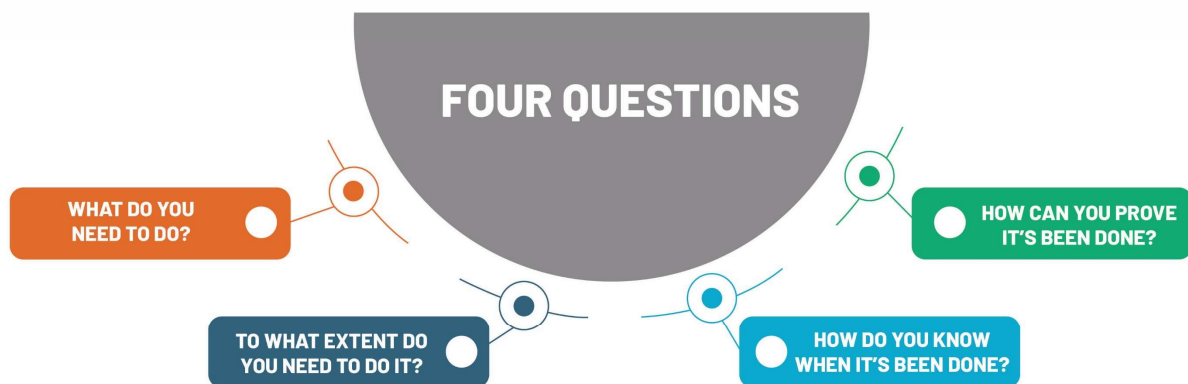
WHY DOES CLINICAL RISK MANAGEMENT SCALE?

© 2025 CyberForceIQ

PROVEN CYBERSECURITY PROGRAM ADVANCEMENT

11

CYBERSECURITY'S FOUR QUESTIONS



© 2025 CyberForceIQ

PROVEN CYBERSECURITY PROGRAM ADVANCEMENT

12

RISK IS REDUCED BY MATURITY

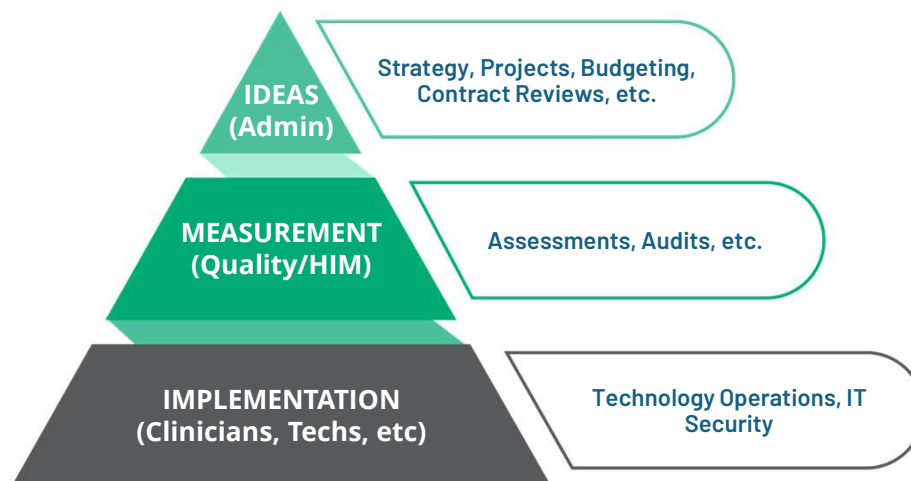


© 2025 CyberForceIQ

PROVEN CYBERSECURITY PROGRAM ADVANCEMENT

13

BREAKING DOWN OPERATIONAL SILOS



© 2025 CyberForceIQ

PROVEN CYBERSECURITY PROGRAM ADVANCEMENT

14

THE HEATHCARE CHALLENGE – CLINICAL RISK MINDSET VS IT RISK MINDSET

CLINICAL:

Risk based decisions from
imperfect information

Treatment Plan established

Testing / Troubleshooting

Treatment Plan Assigned

Confirmation of Success

DIVERGENCE:

Quality of Records

Common Literacy

Common Language

Trained to work together

Quality Reviews

IT:

Risk based decisions from
imperfect information

Treatment Plan established

Testing / Troubleshooting

Treatment Plan Assigned

Confirmation of Success

© 2025 CyberForceIQ

PROVEN CYBERSECURITY PROGRAM ADVANCEMENT

15

THE IT VERSION OF POPULATION HEALTH

- Population Health is about managing risk by grouping patients (systems), based upon genetics (technology), and lifestyle (maintenance) with interventions to reduce the probability of a bad outcome.
- What would it look like if you viewed the IT and Cybersecurity risks along side clinical risks?
 - Dementia
 - Diabetes
 - Out of date systems
 - Missing critical security patches

© 2025 CyberForceIQ

PROVEN CYBERSECURITY PROGRAM ADVANCEMENT

16

WHEN TO HAVE AN INTERVENTION?

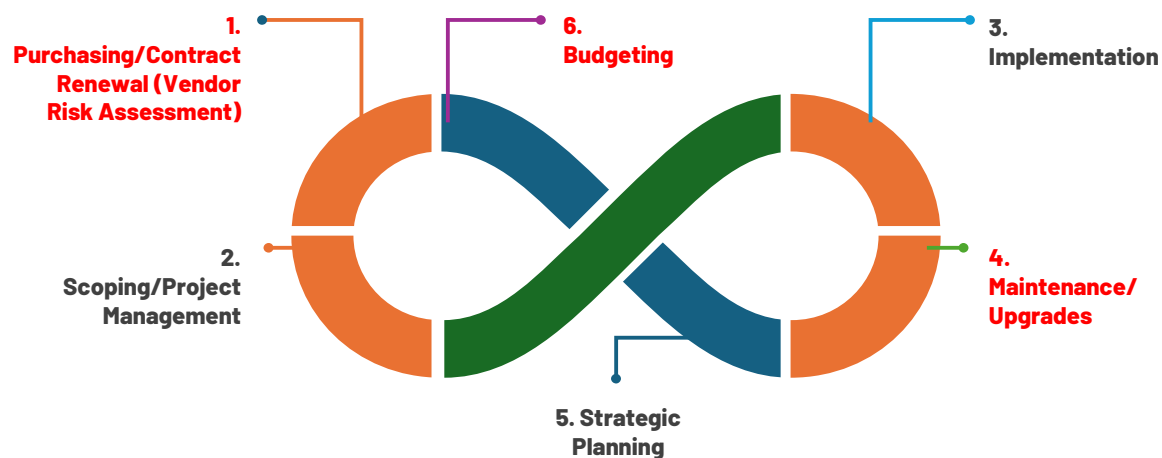
- There are six common points where an intervention can organically happen. Any of these are good places to start:
 - Contract purchase or renewal
 - Scoping or Project implementation/management
 - Implementation
 - Maintenance or Upgrades
 - Strategic Planning
 - Budgeting

© 2025 CyberForceIQ

PROVEN CYBERSECURITY PROGRAM ADVANCEMENT

19

COMMON INTERVENTION OPPORTUNITIES



© 2025 CyberForceIQ

PROVEN CYBERSECURITY PROGRAM ADVANCEMENT

20

VENDOR SELECTION

- The first part to a new system is finding suitable vendors. Some things to consider during this step are:
 - What are the standards a vendor, service, or tool must meet?
 - Do they need to integrate with AD Auth? What redundancy is required?
 - When should IT be involved with contract reviews?
 - How can you empower the contracting/supply chain group to take more ownership of this?

© 2025 CyberForceIQ

PROVEN CYBERSECURITY PROGRAM ADVANCEMENT

21

VENDOR SCOPING QUESTIONS

The questions below are designed to help scope initial contract discussions by focusing on relevant areas.

1. Will remote access be necessary to use, install, or support this application or service?
2. Will user accounts need to be created to use, install, or support this application or service?
 - a. Will any accounts require administrative rights?
3. Will any information be sent to, or support be provided from, outside of the US?
4. Please provide a high-level data flow for this application or system, if applicable.
 - a. The intent is for a logical diagram of when data will enter and exit the application within our environment.
5. What is the criticality of this application?
 - a. If this application or system goes down what is the impact to operations?
6. What type of data will be stored, transmitted, or processed by this application?
7. Are there any contracts or regulations that govern the use of this application or service?
8. Are there any alert email addresses that we need to ensure are not blocked?

© 2025 CyberForceIQ

PROVEN CYBERSECURITY PROGRAM ADVANCEMENT

22

IMPLEMENTATION

- During the implementation phase you want to capture or update the information about what was committed to and whether it was done.
 - Were there any surprises during the implementation?
 - Have you recorded any exceptions, with appropriate authorization?
 - Are there any gaps between what the standard says and what was done?

UPGRADES AND MAINTENANCE

- When you are upgrading or during maintenance windows validate key DR/BC/IRP information and review the risk register.
 - When an application is upgraded all risks in the register should be reviewed. Any that cannot be fixed should require a new exception.
 - Validate backups, alerting, and security controls during the upgrades and maintenance.

STRATEGIC PLANNING AND BUDGETING

- For strategic planning and budgeting utilize your *Risk Register* and *Application Datasheets*.
 - The ideal scenario is to use cybersecurity information to help non-IT departments achieve their goals.
 - Major risks in the risk register can drive conversations about what to focus on.

© 2025 CyberForceIQ

PROVEN CYBERSECURITY PROGRAM ADVANCEMENT

25

MEASURING THE VALUE OF INTERVENTIONS

- Data produced by Cybersecurity can be helpful to other departments and help measure the value of the intervention:
 - Contracting/Purchasing
 - Risk exceptions can be used during negotiating contract renewals
 - PMO/IT
 - Incident response, downtime testing, validating documentation, and risk exceptions should be validated during upgrades and maintenance
 - Finance
 - Signature Authority for risk exception approval and tracking financial risk commitment
 - Vendor/Service Provider inventory to track what is used vs what you are paying for
 - Business Leaders
 - Cybersecurity remediation may help move their initiatives forward

© 2025 CyberForceIQ

PROVEN CYBERSECURITY PROGRAM ADVANCEMENT

26

HOW TO CONTACT US WITH QUESTIONS

- Wayne Pierce
wpierce@cyberforceq.com - (248) 837-1417
[linkedin.com/in/Pierce](https://www.linkedin.com/in/Pierce)
- Brad Maughan
bmaughan@cyberforceq.com - (214) 914-5183
[linkedin.com/in/bradmaughanhcisp454](https://www.linkedin.com/in/bradmaughanhcisp454)

© 2025 CyberForceIQ

PROVEN CYBERSECURITY PROGRAM ADVANCEMENT

27

QUESTIONS?

© 2025 CyberForceIQ

PROVEN CYBERSECURITY PROGRAM ADVANCEMENT

28