



2024 HFMA TEXAS GULF COAST – WINTER CONFERENCE

Decoding Cybersecurity: Creating Pathway for Risk Management & Strategic Alignment



Impact on Healthcare

70%

of boards will include at least one member with expertise in this field.



277

average amount of days to identify and contain a breach



\$11M

average cost of a healthcare data breach



<https://www.ibm.com/security/data-breach>

<https://www.forbes.com/sites/chuckbrooks/2021/03/02/alarming-cybersecurity-stats-----what-you-need-to-know-for-2021/?sh=606da22258d3>

[Why Are Healthcare Data Breaches More Costly? \(distilinfo.com\)](https://distilinfo.com/why-are-healthcare-data-breaches-more-costly/)

FUN WITH ACRONYMS!!! COMB/MOAB

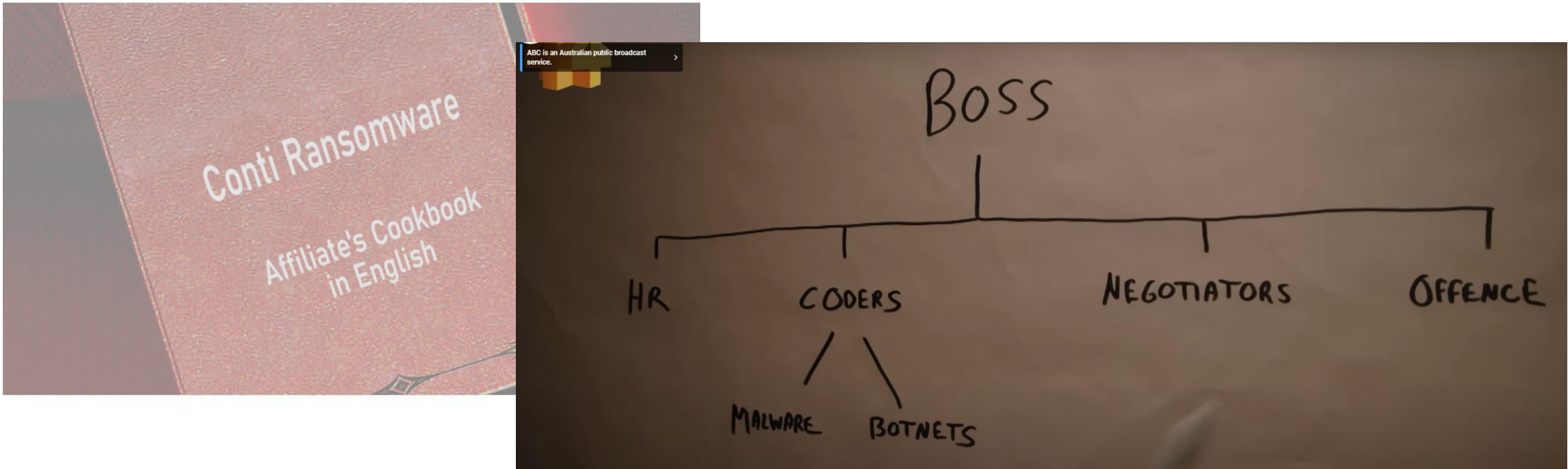


Image by Cybernews.

The supermassive leak contains data from numerous previous breaches, comprising an astounding 12 terabytes of information, spanning over a mind-boggling 26 billion records. The leak, which contains LinkedIn, Twitter, Weibo, Tencent, and other platforms' user data, is almost certainly the largest ever discovered.

<https://cybernews.com/personal-data-leak-check/>

CONTI

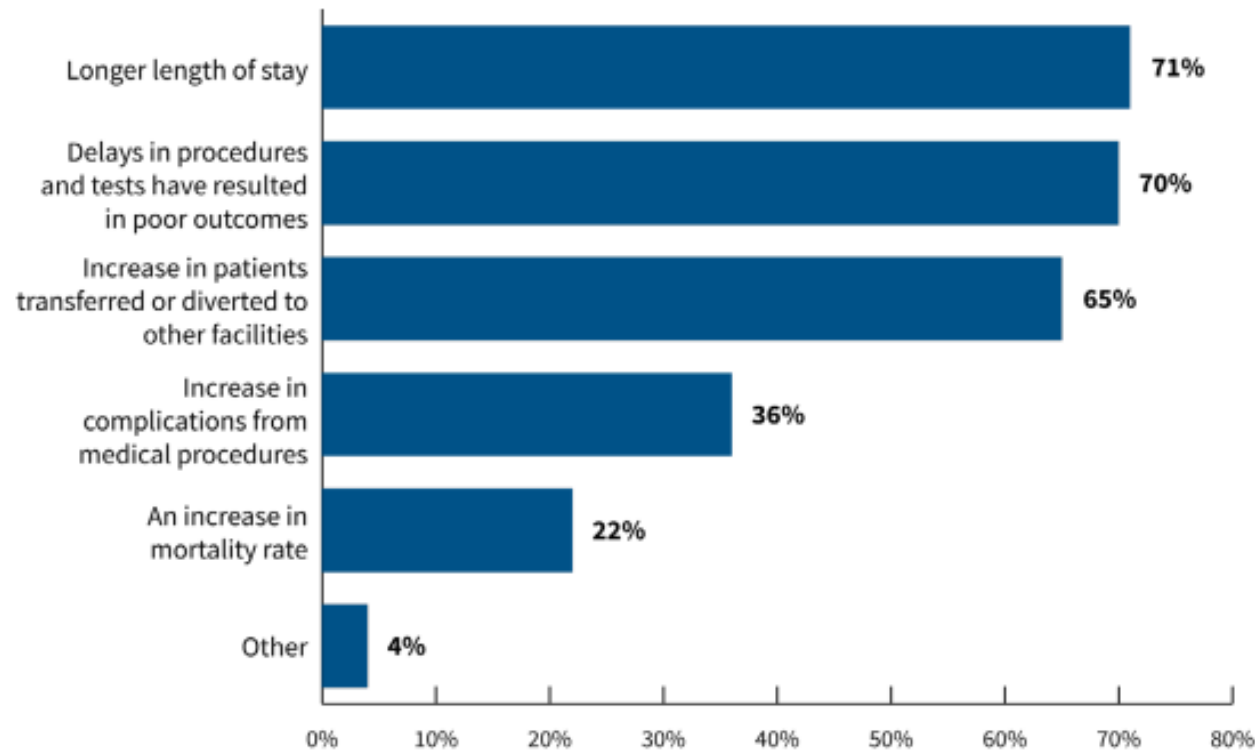


The attack scenarios described in the documents were so thorough that “even amateur adversaries [could] carry out destructive ransomware attacks,” the researchers say.

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 \(hhs.gov\)](https://www.hhs.gov/405d-post-volume-xv)

“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**

THE HEATHCARE CHALLENGE - "TWO ROADS DIVERGED IN A WOOD..."

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

MANAGING THE CHAOS

What would happen if...



RISK ALIGNMENT



Identify

- Engagement



Assess

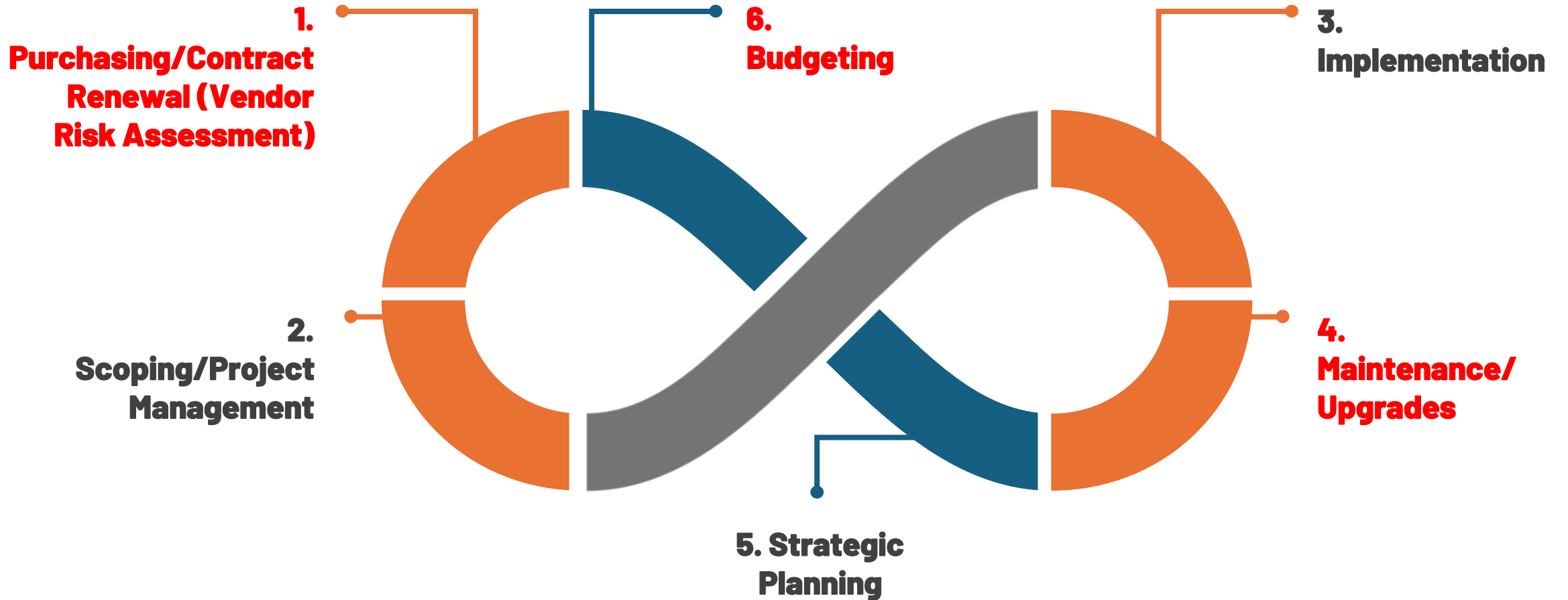
- Risk Scorecards



Communicate

- Literacy "Training"

IDENTIFY: CYBERSECURITY RISK LIFECYCLE



ASSESS: SAMPLE RISK REGISTER

A	B	C	D	E	F	G	H	I
ID	Date raised	Risk description	Likelihood of the risk occurring	Impact if the risk occurs	Severity <i>Rating based on impact & likelihood.</i>	Owner <i>Person who will manage the risk.</i>	Mitigating action <i>Actions to mitigate the risk e.g. reduce the likelihood.</i>	Contingent action <i>Action to be taken if happens.</i>
1	[enter date]	Project purpose and need is not well-defined.	Medium	High	High	Project Sponsor	Complete a business case if not already provided and ensure purpose is well defined on Project Charter and PID.	Escalate to the Project Sponsor with an assessment of runaway costs/ending project.

COMMUNICATION: ESTABLISHING THE BASELINE

- Literacy Program
 - Thresholds
 - Technological landscape
 - Security Governance
 - Incident Response
 - Resource Allocation
 - Continuous Improvement

HOW TO CONTACT ME WITH QUESTIONS

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QUESTIONS?
