



Healthcare and Life Sciences

Cyber diagnostic assessment

Are healthcare organizations getting real value from cyber-security tool investments?

Healthcare and life sciences organizations are under attack every day from hackers, cyber-criminals, and industrial spies. We see the evidence of this in daily media reports. The industry has experienced a number of significant breaches and many organizations have elevated cyber security to a strategic imperative. However, with political uncertainty and other demands for resources, the industry as a whole still lags behind others in cyber-security investments. There are a number of key challenges:

- The political climate promises changes to the “business of healthcare.” How it will change and when are still unclear. Therefore, most healthcare entities are focused on tangible changes that will directly improve their bottom lines, limiting cyber efforts to the most vulnerable systems and applications.
- Healthcare providers are increasingly seeking vendor partnerships that will help them provide innovative services to patients. However, vendors delivering everything from Electronic

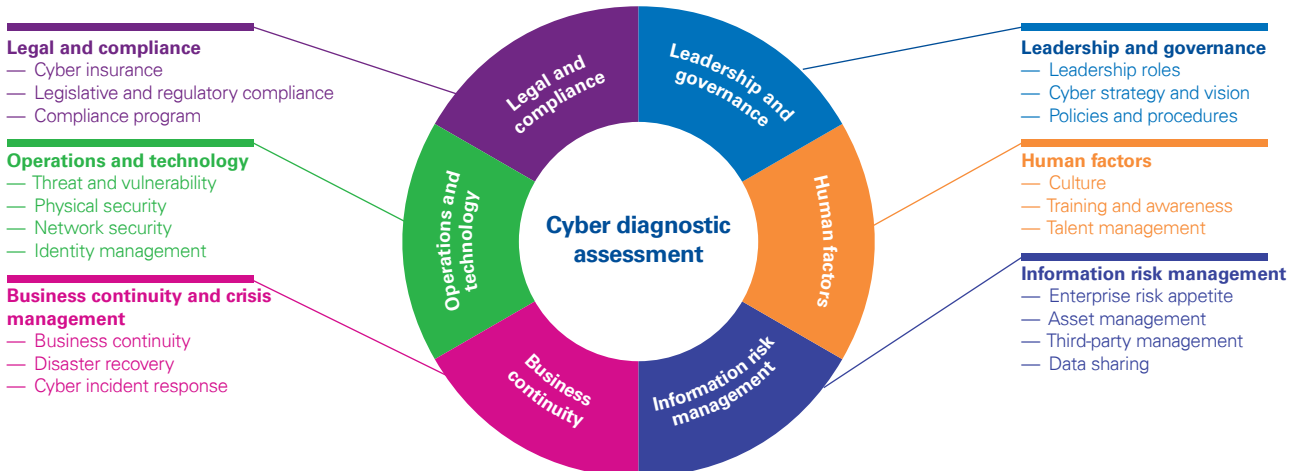
Health Records (EHR) to revenue cycle software increasingly handle sensitive patient data. To minimize cyber risks, provider organizations have not been vigilant enough about ensuring that these vendors have impeccable records.

- Life sciences has an untold amount of intellectual property to protect. It is the life blood of their organizations. Some hostile nation states have publically stated that they want to be world leaders in this area in fewer than 10 years. They are looking to take advantage of weak cyber-security programs at U.S. life sciences organizations to jumpstart their efforts.

Organizations need a clear line of sight into current cyber-security capabilities and weaknesses. The consequences for an organization can be significant with impacts on the bottom line, brand reputation, and patient security. Cyber security must be an enterprise-wide initiative so that all functions throughout the organization are protected. In light of this, KPMG recommends that organizations take a multi-faceted approach to cyber security.

Cyber risk management

A framework for exercising oversight responsibility



What is a cyber diagnostic assessment

KPMG's cyber diagnostic assessment (CDA) provides a foundational overview of an organization's ability to protect its information assets. The KPMG CDA is a high-level, holistic assessment of the common domains that may comprise an organization's cyber security program.

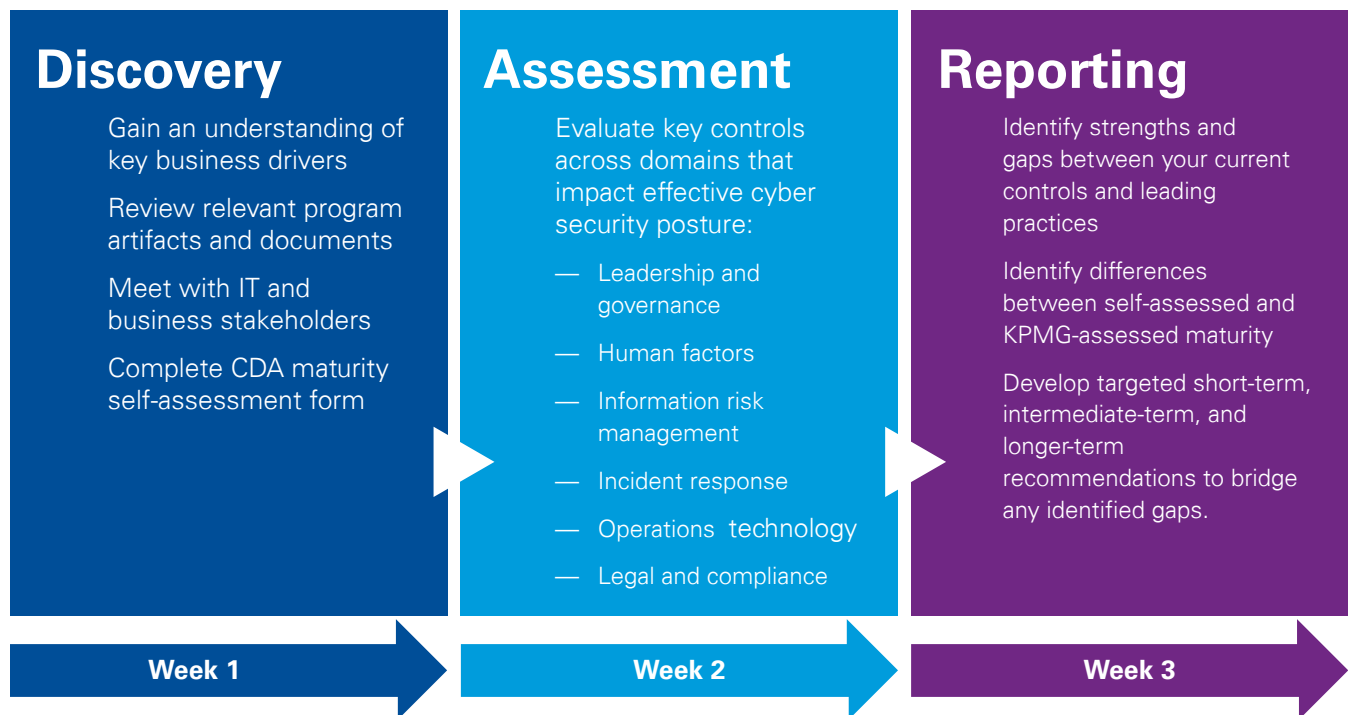
In developing our approach, KPMG used industry leading information security standards and frameworks (including ISO 27001, NIST CSF, NERC CIPv5, COBIT 5) and other such standards, as well as our global teams dedicated to risk management, cyber security, governance, and people and processes.

Through a combination of specific stakeholder interviews and review of information security policies, procedures, and processes, the CDA rapidly:

- Assesses cyber security maturity against defined key controls in the KPMG CDA framework
- Identifies potential gaps in cyber maturity
- Reports key findings and provides actionable recommendations to enhance your organization's cyber maturity and remediate any identified gaps in your environment.

In short, the KPMG CDA is a quick, economical, off-the-shelf approach to identify gaps in your enterprise cyber security program. The output includes tangible deliverables that your organization can leverage to improve your cyber maturity journey.

KPMG will perform the CDA over three weeks. We will discover information through stakeholder interviews and review of information security policies, procedures, and processes. We will assess your cyber security maturity against defined key controls in the KPMG CDA framework and identify potential gaps. We will report to your management on key findings and provide actionable recommendations to enhance your organization's cyber maturity and remediate any identified gaps in your environment.



During the CDA's discovery phase, KPMG will interview key stakeholders from process areas throughout the organization to gain an understanding of the current state of cyber security including business drivers. A representative list of stakeholders are listed below.

Stakeholder individuals/process areas*

Chief information security officer

Security engineering and operations

Chief information officer

IT engineering and operations

Human resources

Business continuity

General counsel

Internal audit

From project start to delivery of the final report, KPMG can provide you with:

- Prioritized recommendations to remediate critical gaps
- Gap analysis in current controls versus leading practice
- Analysis of self-assessed maturity versus KPMG benchmarks.

Why KPMG?

The CDA is one component of KPMG's Cyber Transformation Services. Our cyber transformation service brings together specialists in information protection and business continuity, risk management, privacy organization design, behavioral change, and intelligence management. These combined skills are utilized to tailor an approach relevant to your risk appetite and the cyber threats your organization faces.

KPMG member firms are:

- Global – The network of KPMG member firms employ over 189,000 professionals in 152 countries. KPMG cyber security industry professionals have deep knowledge and can offer insight to you wherever you operate.
- Acknowledged leaders in cyber security – KPMG International has been named a leader in the Forrester Research Inc. report, the Forrester Wave™: Information Security Consulting Services, Q1 2016, achieving the highest score for current offering and strategy.¹
- Shaping the cyber agenda – Through I-4 (the International Information Integrity Institute), KPMG firms help the world's leading organizations to work together to solve today's and tomorrow's biggest security challenges.
- Committed to you – KPMG's client relationships are built on mutual trust and long-term commitment to providing effective and efficient strategies.

¹ Source: Forrester Wave Q1 2016 Report

Contact us

For more information on the Cyber Diagnostic Assessment or KPMG's Cyber Transformation Services please contact one of our healthcare and life science practitioners or visit us at <https://advisory.kpmg.us/kpmg-cyber.html>

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