Cyber Assurance in Healthcare: Insights from HITRUST and Clearwater

May 22, 2024

Clearwater | HITRUST

Logistics

- All attendees in “Listen Only Mode”
- Please ask content related questions in Q&A
- If you’d like to follow along with today’s presentation a link to the deck has been shared in the chat.
- Recording and slides shared via email within 48 hours
- Please take a few minutes to provide feedback via survey prompt at the end of this session

Today’s Speakers

Ryan Patrick

Vice President, Adoption
HITRUST

Steve Meyer, CCSP, CHQP

Director, Consulting Services – Auditing & Certification Solutions
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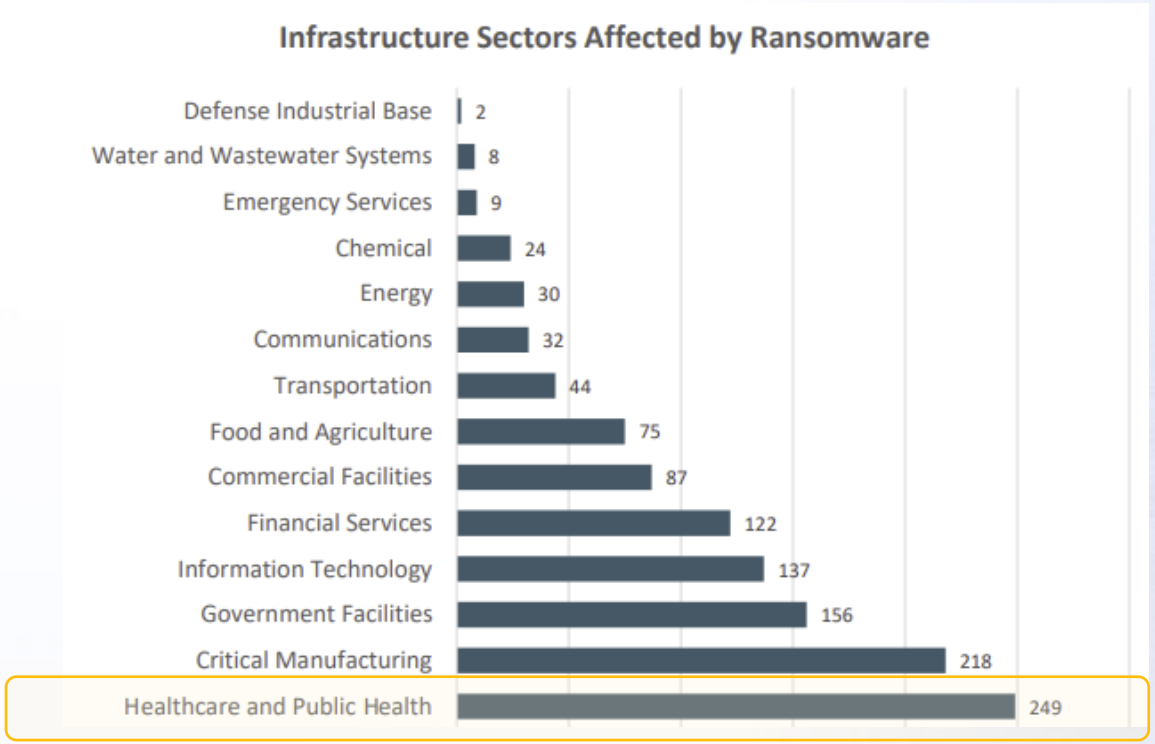
Agenda

- The need for greater cyber assurance in healthcare
- How HITRUST helps address that need
  - What's new in HITRUST 11.3
- Why organizations choose to become HITRUST validated/certified
- The HITRUST certification process

Ransomware Threat Continues to Increase



- 95% increase in Ransomware in 2023[1]
- 13% Increase in Insurance Claims – increase primarily driven by ransomware 2023[2]
- Healthcare is the most targeted critical infrastructure industry by ransomware gangs[3]
- Total losses from internet crime increased in the U.S. by 22% in 2023 to $12.5 Billion[3]
- 20% increase in reported victims in Q1 2024 vs Q1 2023[4]

[1] *At Least 141 Were Hospitals Directly Affected by Ransomware Attacks in 2023 (hipaajournal.com)*
[2] *Ransomware triggers cyberinsurance claims increase | SC Media (scmagazine.com)*
[3] *2023 FBI Internet Crime Report.pdf*
[4] *GuidePoint Security Q1 2024 Ransomware Report*

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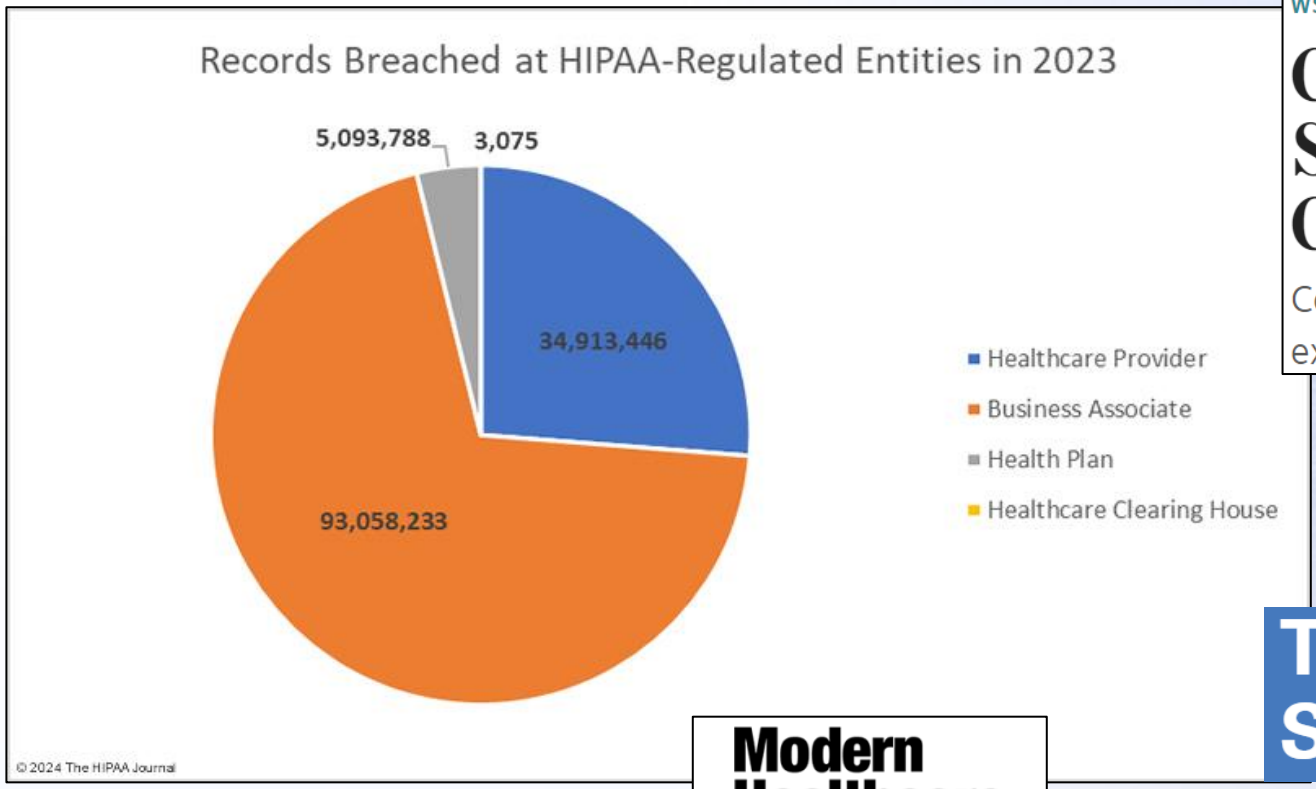
Scrutiny of Vendor Cybersecurity Practices Increasing

"Securing the supply chain is one of the biggest cybersecurity challenges in healthcare."



WSJ PRO

Companies Take a Closer Look at Supply Chains After Recent Cyberattacks

Corporate security executives beef up supplier oversight following extensive supply-chain attacks

American Hospital Association™

Advancing Health in America

Third-Party, Cyber-Risk Skyrockets for Health Systems

Modern Healthcare

Healthcare vendors are the new front of the cybersecurity war

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Health3PT Aims to Advance Accountability

Health3PT

What are the Mission Objectives of the Health3PT Initiative?

- Establish effective, consistent, repeatable programs for managing third-party service providers that require access to Protected Health Information (PHI) or Personally Identifiable Information (PII).
- Share knowledge and resources to further the Council's initiatives, programs, and outcomes.
- Hold our third-party service providers and each other accountable to these commitments to ensure that the shared objectives are met.
- Accept and encourage HITRUST Certification(s) from third-party service providers over other assessments, questionnaires, audits, or certification reports.

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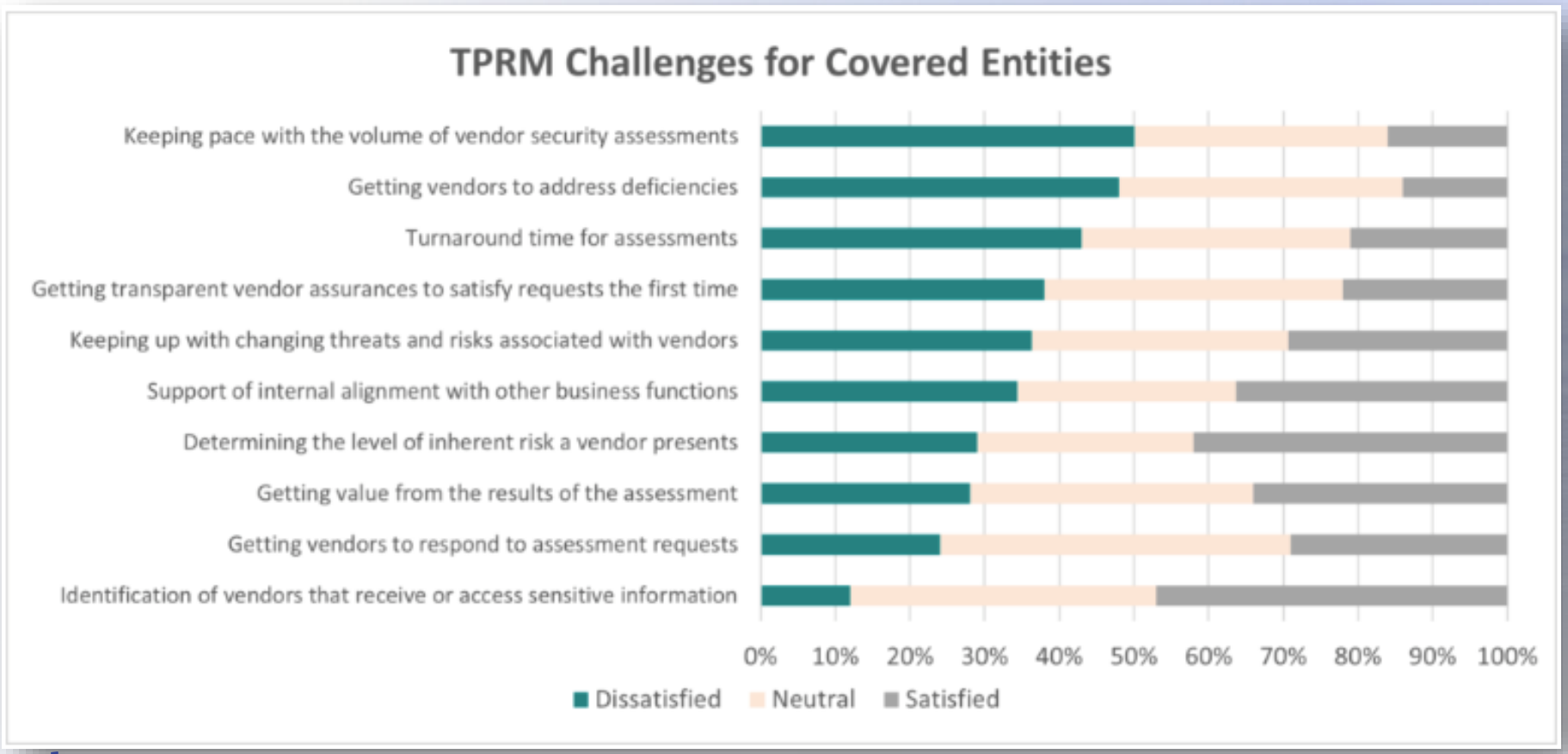
Common Third-Party Risk Challenges

- The 2023 Health3PT survey asked 59 covered entities about their top third-party risk management challenges.



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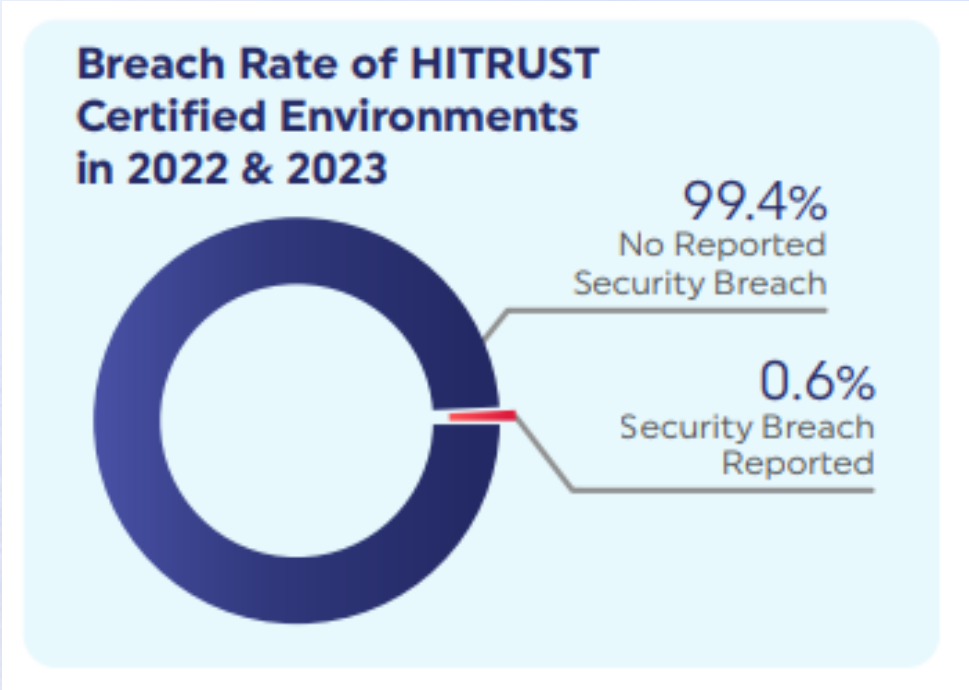
HITRUST: Built to Evolve for Enhanced Cyber Resilience

97%

Of all threat indicators in MITRE ATT&CK are covered in CSF versions 11.2 & 11.3.0



By aligning with HITRUST, organizations demonstrate a proactive and committed approach to privacy and security.

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Assurances Over Other Frameworks

1

Start with a core of threat-adaptive controls

Supported by Cloud and AI Shared Responsibility Model

+

2

Optionally Include Other Authoritative Sources

- HIPAA Security Rule
- PHIPA
- GDPR
- NIST
- StateRAMP
- FedRAMP

=

3

HITRUST Issues Many Reports

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What's New in CSF v11.30

- Addition of FedRAMP, StateRAMP, and TX-RAMP authoritative sources, which provide a standardized approach to ensure that assessed entities doing business with the government comply with applicable information security requirements.
- Integration of NIST SP 800-172: Enhancing protections for Controlled Unclassified Information (CUI) and supporting organizations with high-risk profiles in their HITRUST r2 Assessment tailoring.
- Foundation for CMMC Level 3 Requirements: Preparing organizations for new compliance needs based on stringent NIST standards.
- Inclusion of MITRE Adversarial Threat Landscape for Artificial-Intelligence Systems (MITRE Atlas) Mitigations: Addressing security requirements crucial for safeguarding AI systems.
- **Streamlined Assessment Process: Reduced redundancy in requirement statements, significantly decreasing the average r2 assessment size without compromising control coverage.**

HITRUST Certification Options

- **HITRUST offers three certification options based on vendor needs, size, risk maturity, and business profile.**
- The HITRUST Essentials (e1) Validated Assessment is ideal for low-risk vendors seeking to establish basic foundational cybersecurity or more complex organizations looking to start their certification journey with plans to move into a more comprehensive certification level.
- The HITRUST Implemented (i1) Validated Assessment offers more coverage than the e1. It is suited for third-party vendors demonstrating leading security practices.
- The HITRUST Risk-Based (r2) Validated Assessment is its most comprehensive assurance. It is considered the gold standard in the industry and is ideal for high-risk vendors.
- **Each level is built on a common framework. This means you can begin with a lower-level assessment and move up to a higher level without losing the invested time, money, and effort.**

Assessment Options

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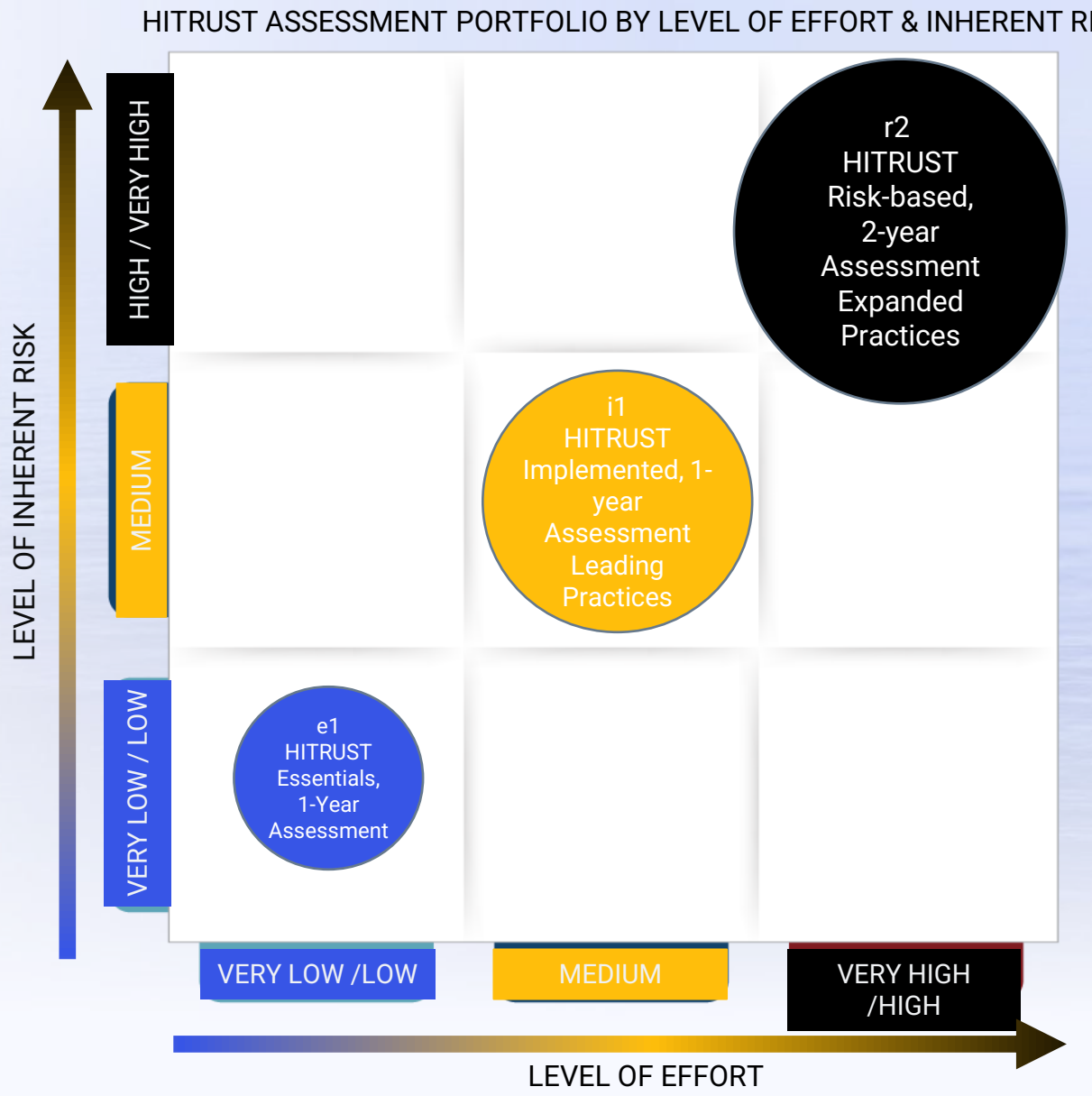
Assessment Options to Meet Every Level of Inherent Risk

Driven By Considerations of Purpose, Time, and Budget

Every HITRUST Assessment Report is Rely-Able™

- Transparency:
  - Leverages a publicly available and widely adopted control framework.
  - Control selection, evaluation, and scoring are clearly understood.
- Consistency:
  - Consistent results regardless of the assessor.
  - Can accurately gauge one organization's security posture with another.
- Accuracy:
  - Formula-driven determination of assessment results
  - Granular scoring and evaluation model
- Integrity:
  - All Validated Assessments receive HITRUST Quality Review.
  - 150 automated quality checks and 5 levels of independent and objective quality assurance reviews ensure transparency, consistency, and accuracy of results.



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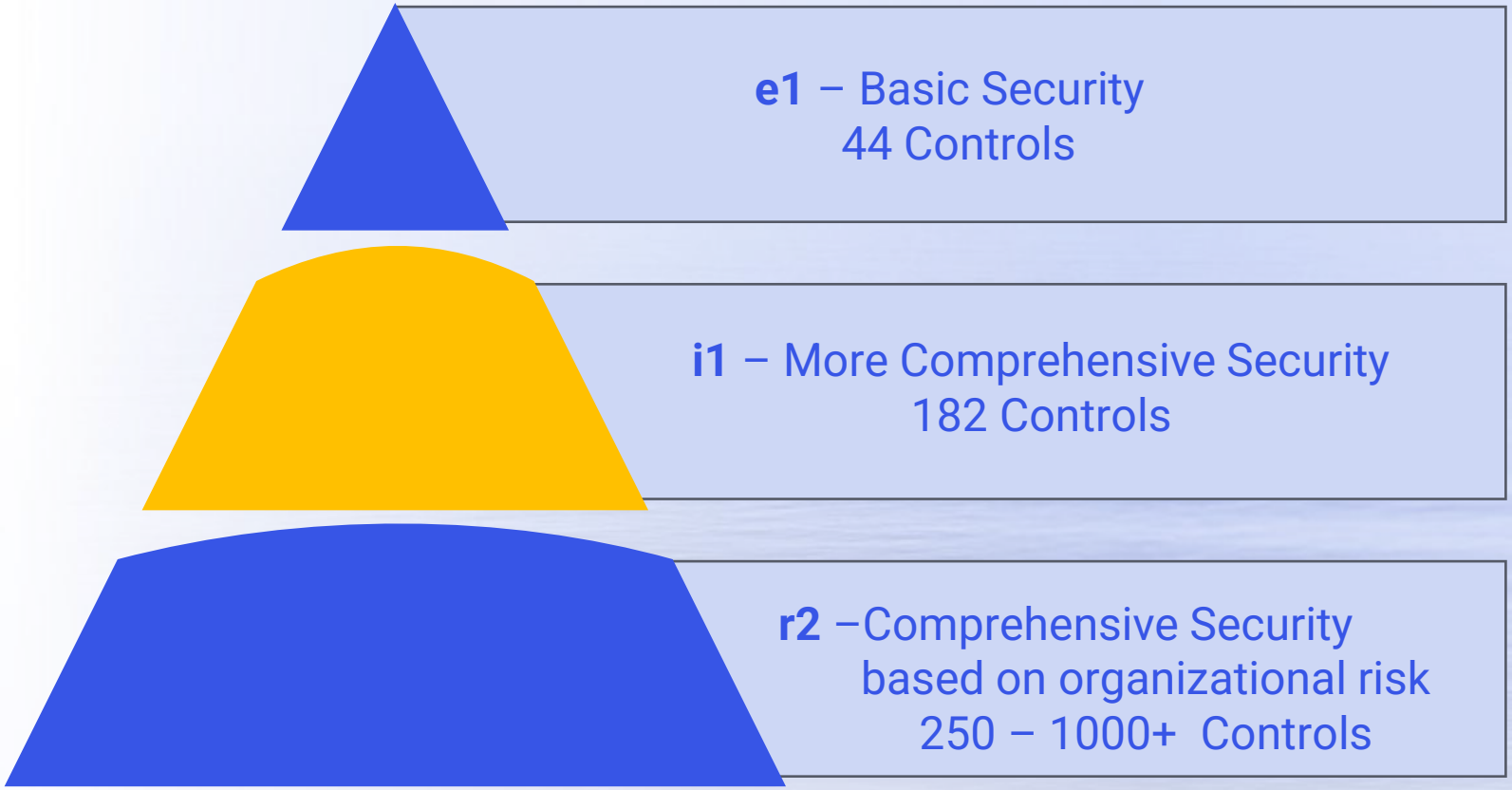
Assurance That Builds Based on Assessment

Maturity Level	Weight
Implemented	100%

Maturity Level	Weight
Policy	15%
Procedure	20%
Implemented	40%
Measured	10%
Managed	15%



	7 Levels of Assurance
1	Organization
2	Assessor
3	Assessor Organization QA
4	Assessment Check-in QA

	7 Levels of Assurance
5	HITRUST Assurance Team Review
6	HITRUST Quality Team Review
7	Board Level Quality Subcommittee (sampled)

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Top 5 HITRUST Needs

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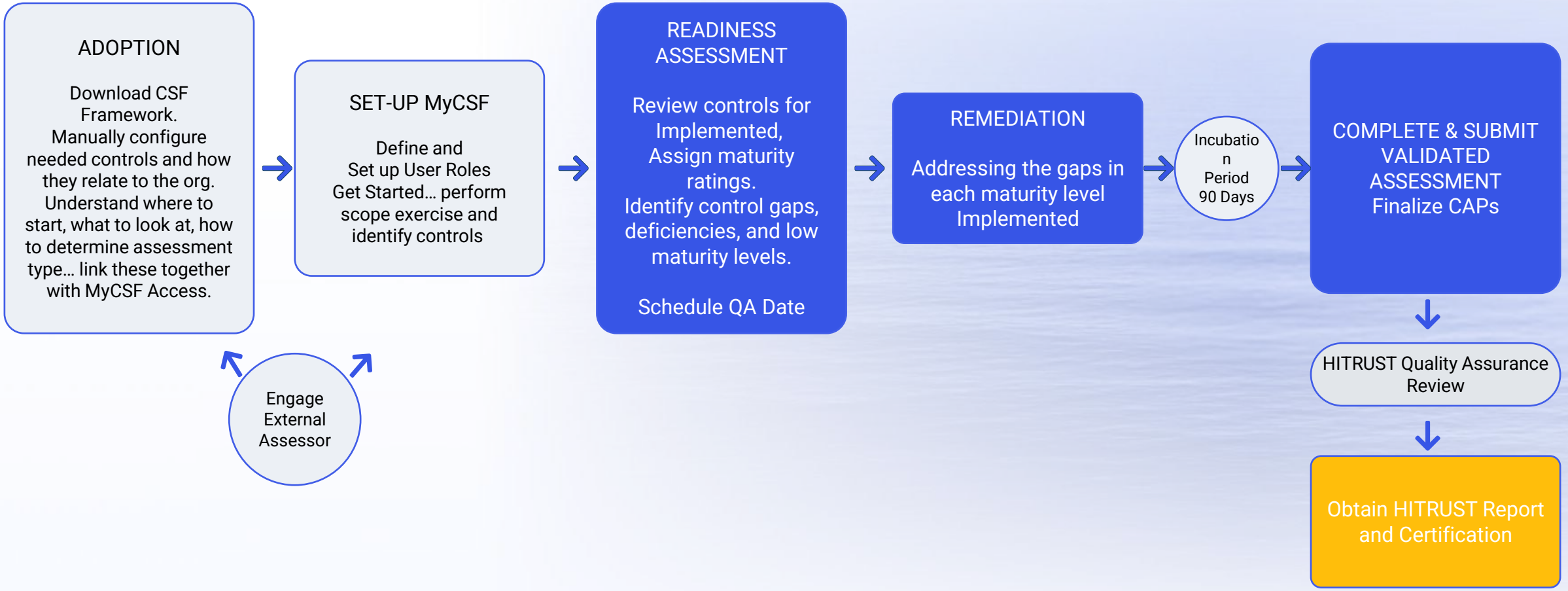
HITRUST Certification Journey



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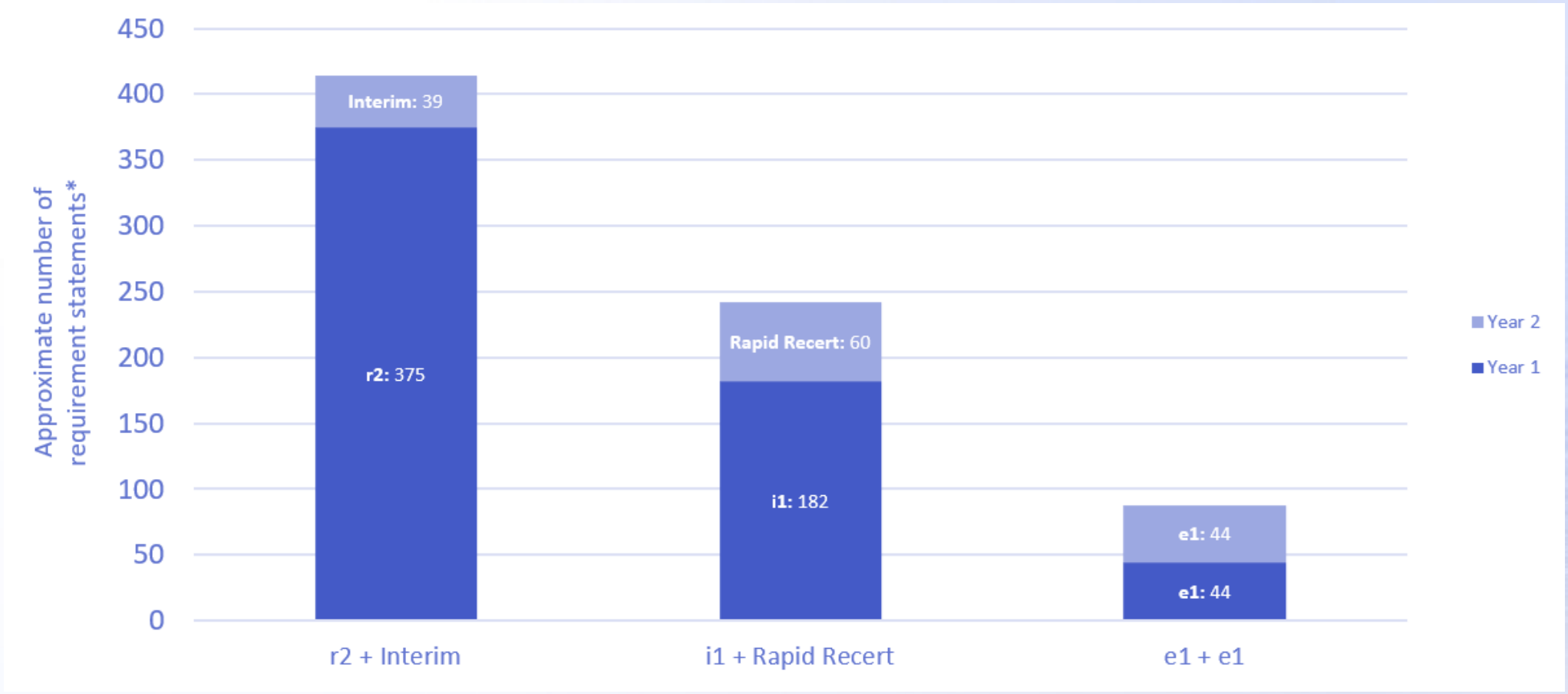
Illustrative Examples of Two-Year Count of Requirement Statements



*r2: Average number of requirement statements based on data for v9.1 – 9.6 r2 Assessments submitted to HITRUST; Interim: Average number of requirement statements based on data for v9.1 – 9.6 r2 Assessments submitted to HITRUST; i1: Number of requirement statements within the i1 Assessment using v11; Rapid Recert: Projected number of requirement statement within the i1 Rapid Recertification Assessment

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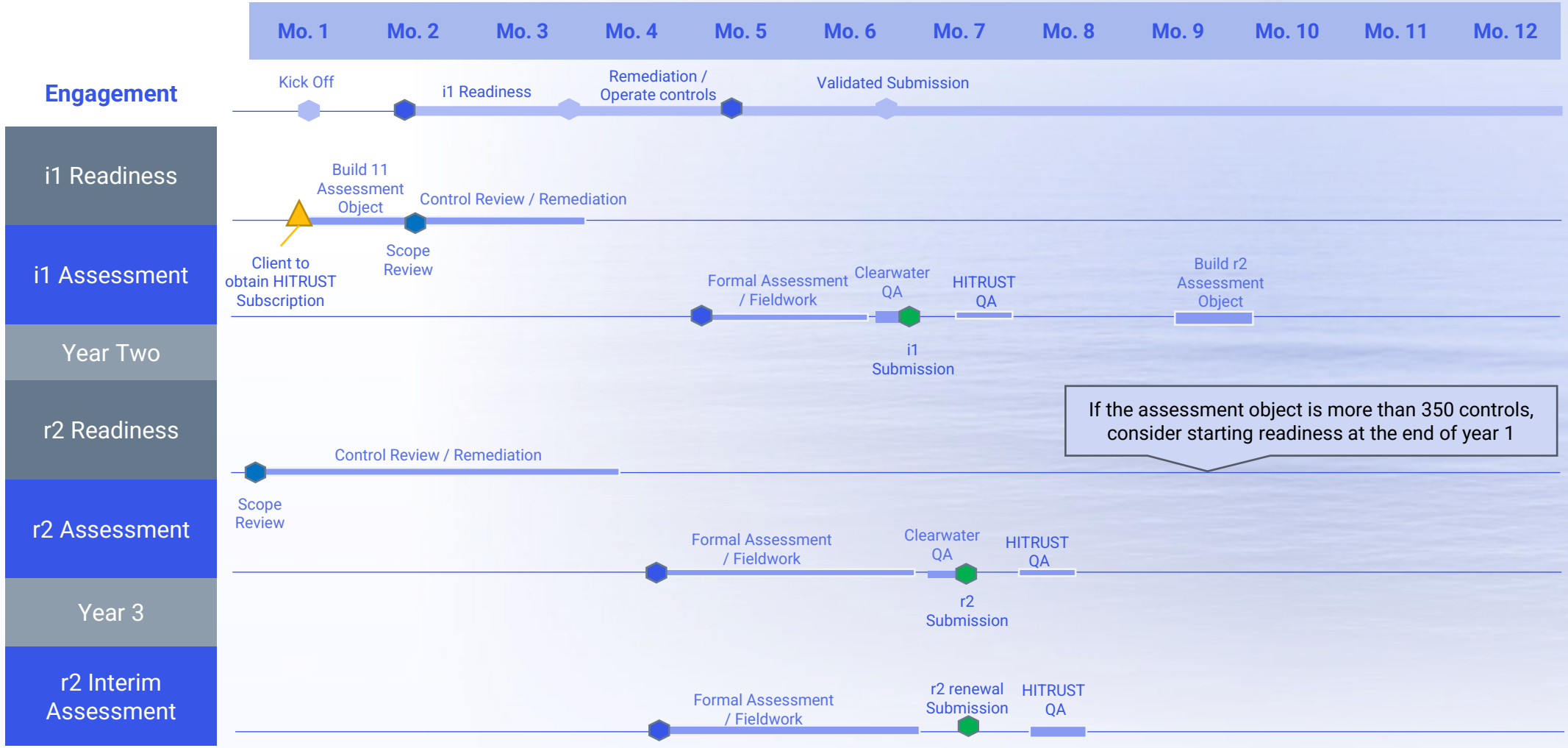
Sample Engagement Timeline (i1 → r2)



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Engagement Process

Pre-Kickoff | Kickoff | Working Sessions | Deployment | Validation | Assessments | Final Reports

- **Pre-Assessment Working sessions** – Control Review Client and Assessor Firm
- **Deployment** – Client Operates Controls and puts changes in place.
- **Validation** – Answer any final questions and review new items implemented from the pre-assessment working sessions.
- **Assessment** – Formal HITRUST Validated Assessment
- **Final Reports** – Results of formal assessment

To Learn More

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Blog

A Look at HITRUST Version 11: Everything You Need to Know

Blog

Preparing for HITRUST Certification: The How and Why for Healthcare Service Providers

Q&A

We are here to help.

Moving healthcare organizations to a more secure, compliant, and resilient state so they can achieve their mission.

Upcoming Events

June Cyber Briefing | June 6

Register here: Monthly Cyber Briefing - Clearwater (clearwatersecurity.com)

Digital Health Innovation Summit | June 5-6 - Boston

- Clearwater Digital Health team members are attending

Incident Response Webinar | June 20

- Partnering with 1st Responder and Jarrad Communications

Register here: Breach to Resolution: A Live Cyber Incident Response Tabletop for Healthcare Executives | June 20 @ 12:00 CST - Clearwater (clearwatersecurity.com)

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