

Client & Sponsor



- Lane Sullivan
- Senior Vice President, Chief Information Security Officer
- 25+ years of experience that develops high-performing teams and achieves transformation goals
- Specialties in: IT Governance Risk and Compliance, Data Governance, Data Loss Prevention, Policies, Identity & Access Management, Incident Response, Vulnerability Management, Security Operations Center, Vendor Risk Management, and Threat Intelligence



Outline

Introduction

Identified Threat Landscape

Problem Statement

Regulations for Healthcare Industries

Our Cybersecurity Framework

Cost-Benefits

Summary

Introduction





Y-GWASH Inc.: Your Global Welfare and Social Health Inc.



Healthcare Company

provides services for family clinics and online consultations



Medium size

Identified Cybersecurity Risks and Threat Landscape

What is Cybersecurity?

Cybersecurity protects computer systems, networks, and digital data from being stolen, corrupted, or accessed by unauthorized individuals.

What Problem Does it Solve?

Cybersecurity acts as the guard against unauthorized access to sensitive data.

Why is cybersecurity important for a healthcare company?



Patient Data Protection



Medical Device Security



Operational Continuity

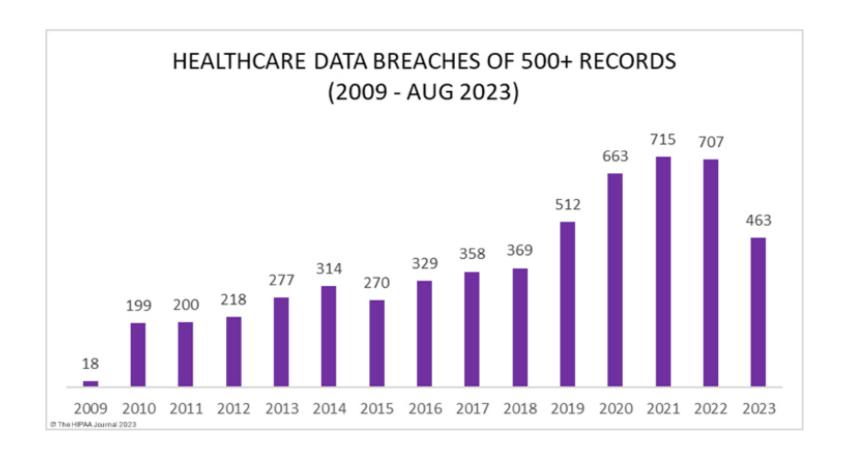


Financial Implications

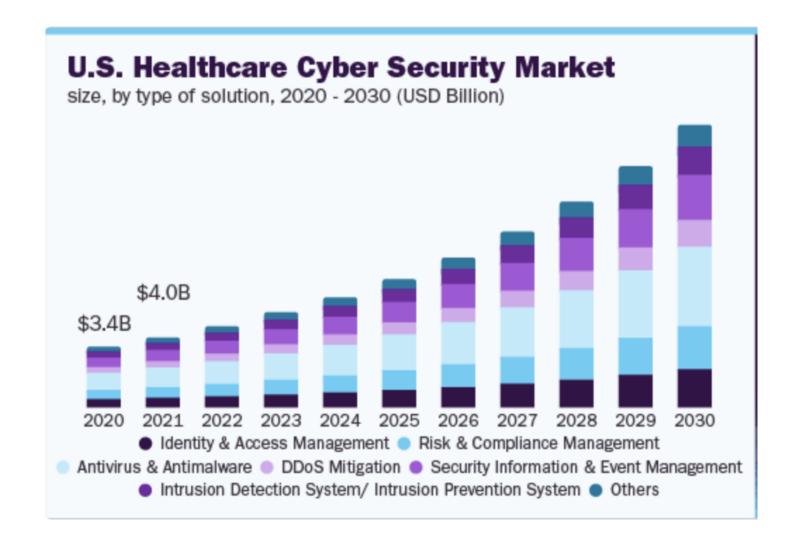


Regulatory Compliance

How many cybersecurity incidents have happened in the healthcare industry?



How much investment in cybersecurity is there currently in the healthcare industry?



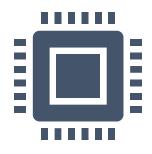
Problem Statement

Problem Statement









Y-GWASH Inc already has **basic** IT Infrastructure in place (e.g. network, database, IT system)

But don't have established cybersecurity procedure

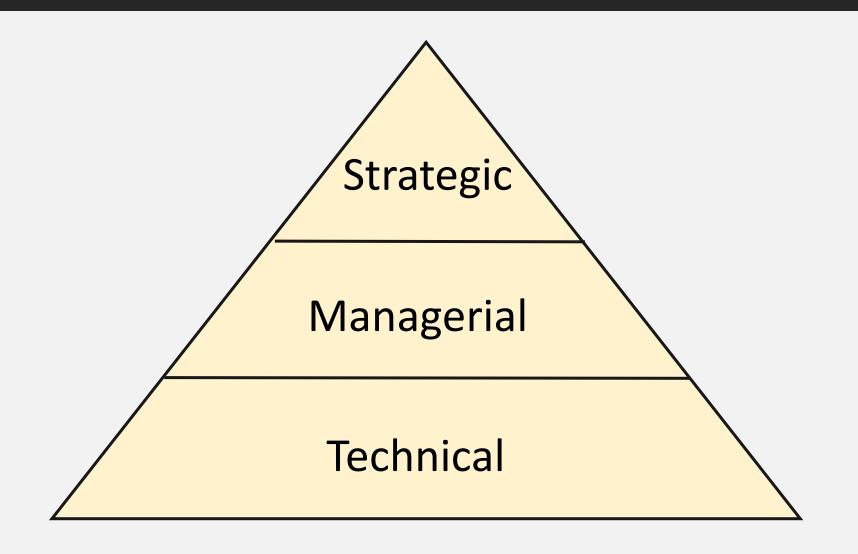
We are here to suggest **how best** to implement a robust cybersecurity framework for Y-GWASH Inc.

Regulations for Healthcare Industries

Regulations

- NIST: National Institute of Standards and Technology
- ISO27001: International Organization for Standardization
- CSF: Cybersecurity Framework
- HIPPA: Health Insurance Portability and Accountability
- CIS: Center for Internet Security

Cybersecurity Framework



Cybersecurity Framework: Strategic



Business Continuity

Management



Data Lifecycle



Compliance



Human Training

Cybersecurity Framework: Managerial



Asset Management



Risk Management



Third-Party Relationships

Cybersecurity Framework: Technical











Cryptography/Key Management **Security Controls**

Physical and Environmental Security

Access Controls

Monitoring/Audit Logging

Business Case

Business Case



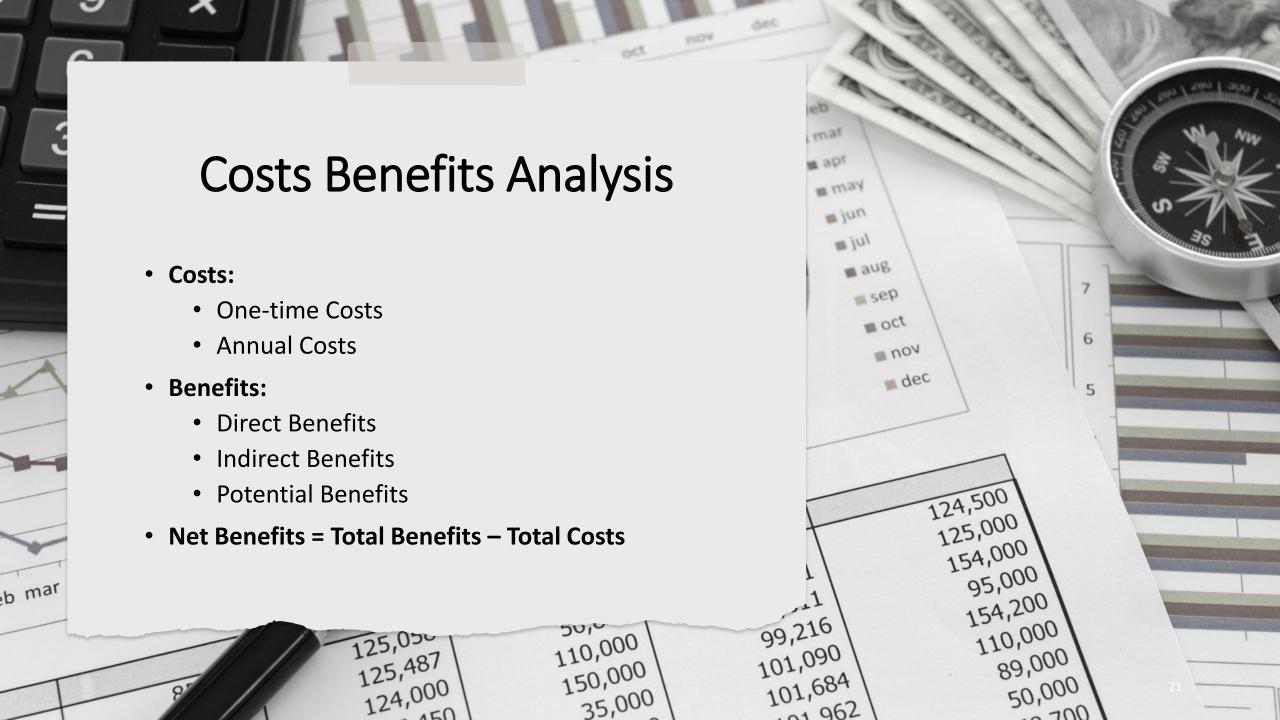
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One-time Costs

- Physical and environmental safety measures
- Cybersecurity Infrastructure
- Software and Technical Tools
- Contract administration and training costs



Annual Costs



Foundations



External Sources



Operating Maintenance



Training

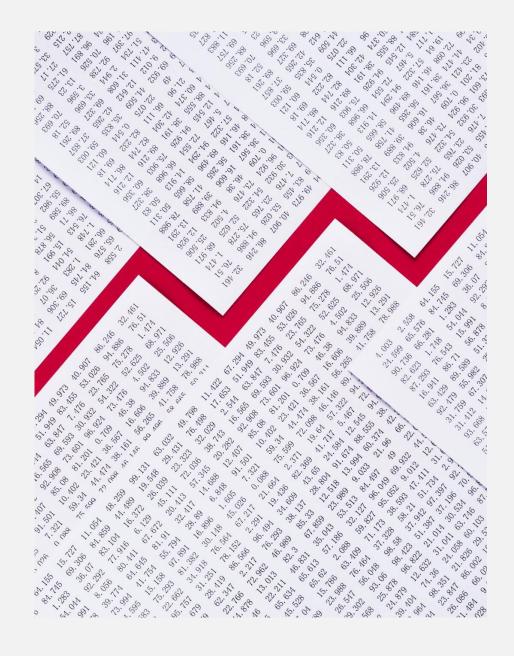


Internal Establishment of Positions



Direct Benefits

- Business Opportunities and Market Share
- Accidental Losses
- Asset Protection
- Efficient Incident Response
- Insurance Cost Reduction
- Lower Insurance Rates
- Overall Risk Reduction



Potential Benefits

PB = Possibility x Penalties

Avoidance of data breach loss

 The global average cost per mid-sized company per data breach was \$4.45 million in 2023

Regulatory Compliance

- CPRA (California Privacy Rights Act)
 - Fines of up to \$2,500/\$7,500 for each violation
- General Data Protection Regulation (GDPR)
 - Fines of up to €20 million or 4% of the company's global annual turnover
- HL7 Fast Healthcare Interoperability Resources (FHIR)



Cost-Benefits (Annual Quantitative part)

Total Costs = Annual Costs = \$895,000

Total Benefits = (Direct + Potential) Benefits = \$1,411,000 + Potential Benefits

Net Benefits = Total Benefits - Costs = \$516,000

A Glance to the Future



Positive outcome



Regulation compliance



Invest for the future

Questions?



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