### Santa Barbara County Employees' Retirement System

JUNE 28, 2023

#### INFORMATION SECURITY

#### **Q:** How important is it, really?

MILLERKAPLAN.COM



43% of data breach victims are small businesses under 250 employees

82% of data breaches leveraged the human element

Overall cybercrime losses reported to FBI in 2022

10.2 Billion US Dollars (+48%)



FBI's IC3.GOV Internet Crime Report 2022 Verizon Data Breach Report 2022

### **Cybercrime is Big Business**

- Customer service
- Tech support
- Procedure manuals
- Partner plans

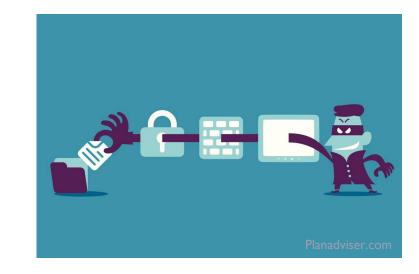
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- Easy payment options



### Why are Employee Retirement Systems targeted?

- Vast amounts of sensitive personal and financial data (\$)
- Complex relationships between participants, sponsors and administrators
- Public record requests
- Fraudsters can act like participants



### **Security Incidents**

- Horizon Actuarial Services Data Breach (2021)
- Third party administrator leaks data of over 2 MILLION participants
- Multiple lawsuits filed by multiple plans and participant groups
- https://news.bloomberglaw.com/privacy-and-data-security/horizon-actuarial-services-hit-with-ninth-suit-over-data-breach
- Missouri Public School Employee Retirement System Two-for-One (2021)
- ONE: Plan employee account was taken over
- **TWO:** State of Missouri Education Department website leaks Social Security Numbers
- https://www.ai-cio.com/news/missouri-teachers-pension-hit-by-cyber-attack/
- Nationwide Retirement Solutions Data Breach (2022)
- Class action lawsuit filed after personal data was released
- https://www.classaction.org/news/class-action-alleges-nationwide-retirement-solutions-failed-to-prevent-2022-databreach
- San Francisco Employees' Retirement System Third Party Failure (2020)
- Website vendor setup a test system which was accessed by intruders
- https://www.ai-cio.com/news/san-francisco-pension-plan-reports-data-breach

#### **Information Security Management Program**

- OK, enough scary stories. What can we do about it?
- The best defense....launch an information security management program.
- What does this mean?
- Why is it helpful?

## Building your Infosec Management Program **STEP ONE: ASSESSMENT**

- Find out where you currently stand
- Work with an experienced information security partner
- Management Controls
- Technical Controls
- Current Vulnerabilities

## Building your Infosec Management Program **STEP TWO: BUILD A TEAM**

- Information Security Manager (ISM)
- Technology experts
- Infosec experts
- Executive participation

## Building your Infosec Management Program **STEP THREE: MEET REGULARLY**

- Choose a cadence that fits your organization
- The goal is to make information security management a regular part of doing business, like finance or HR.
- Prioritize and address findings from the assessment
- Choose metrics to measure your progress
- Manage ongoing projects

#### **Building your Infosec Management Program**

### **OTHER RESOURCES**

- Center for Internet Security (cisecurity.org)
  - Non-profit focused on state, local, tribal & territorial entities
  - FREE content and membership in the MS-ISAC
- National Institute of Standards and Technology (nist.gov)
  - Enormous quantity of information & services
- Cybersecurity Infrastructure and Security Agency (cisa.gov)
  - Terrific source of the latest cybersecurity news
- Secure the Village (securethevillage.org)
  - Disclosure: Not a shameless plug!
  - Brings together experts from all across the cybersecurity spectrum

# THANK YOU

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