

# Commission Presentation

## Cybersecurity



CUPERTINO



# Agenda

- Cyber Threat Landscape
- Ransomware
- City's Cybersecurity Defense
- Questions

# Cyber Threat Landscape



# Cyber Threat Landscape

MAN-IN-THE-MIDDLE

DENIAL-OF-SERVICE

SQL INJECTION

ZERO-DAY EXPLOIT

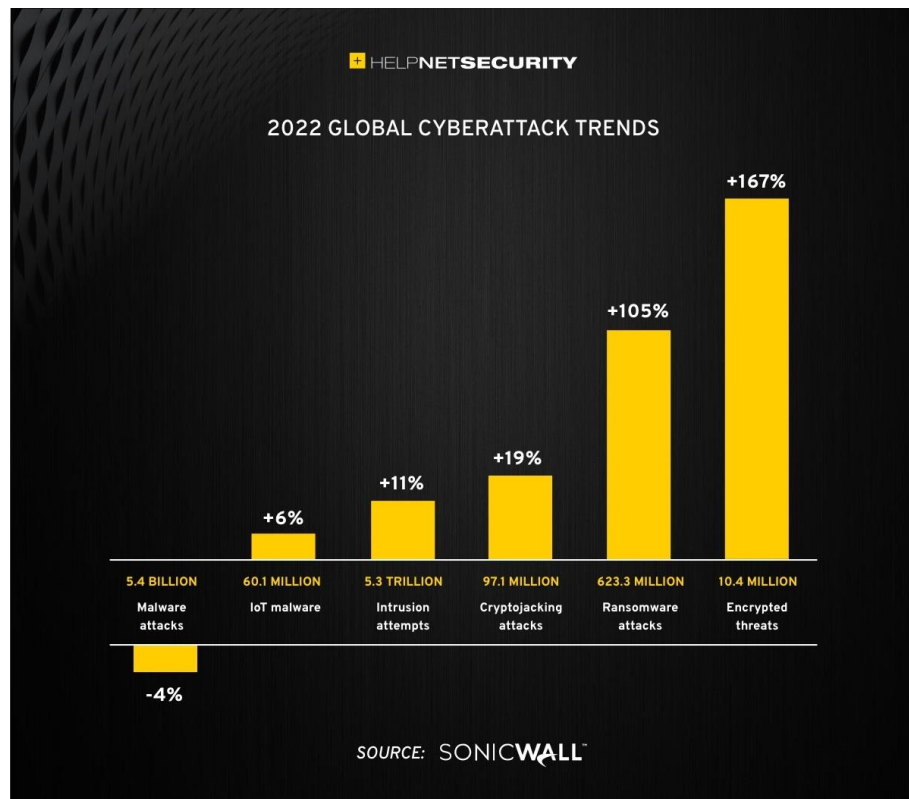
DNS TUNNELING

**MALWARE**

**PHISHING**

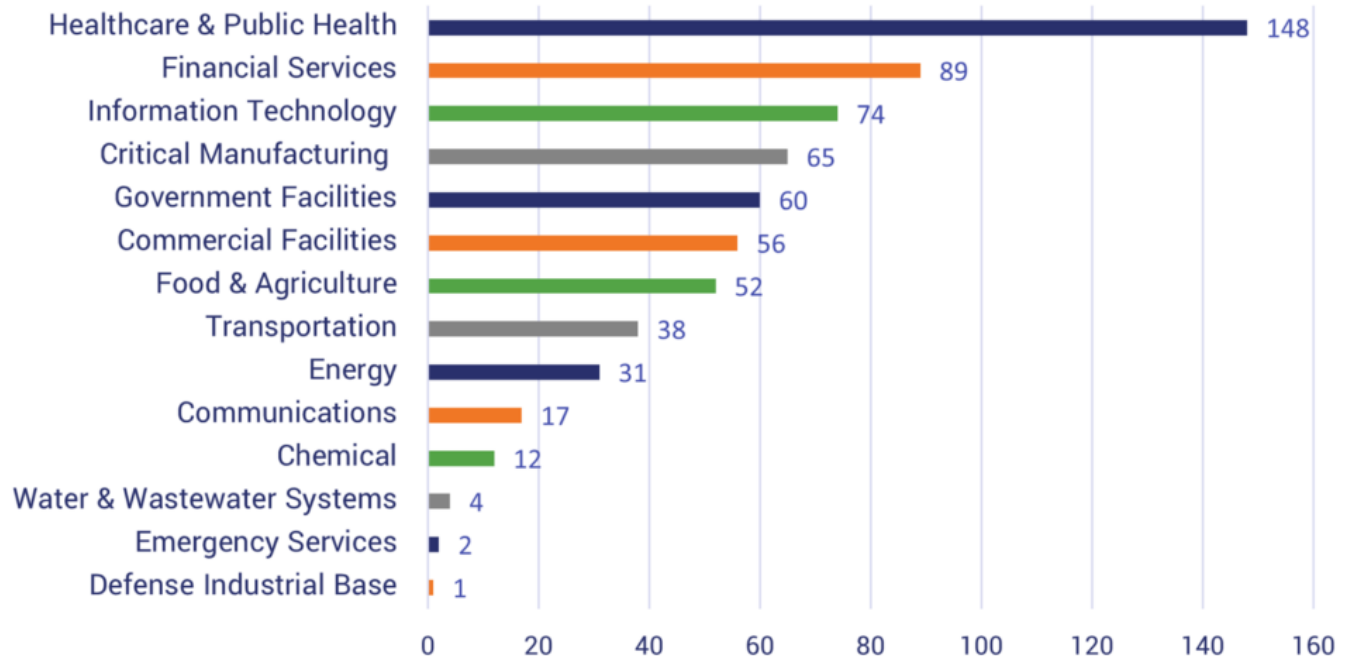
RANSOMWARE – PHISHING + MALWARE

# Ransomware



# Ransomware

## Critical Infrastructure Ransomware Attacks (2021)

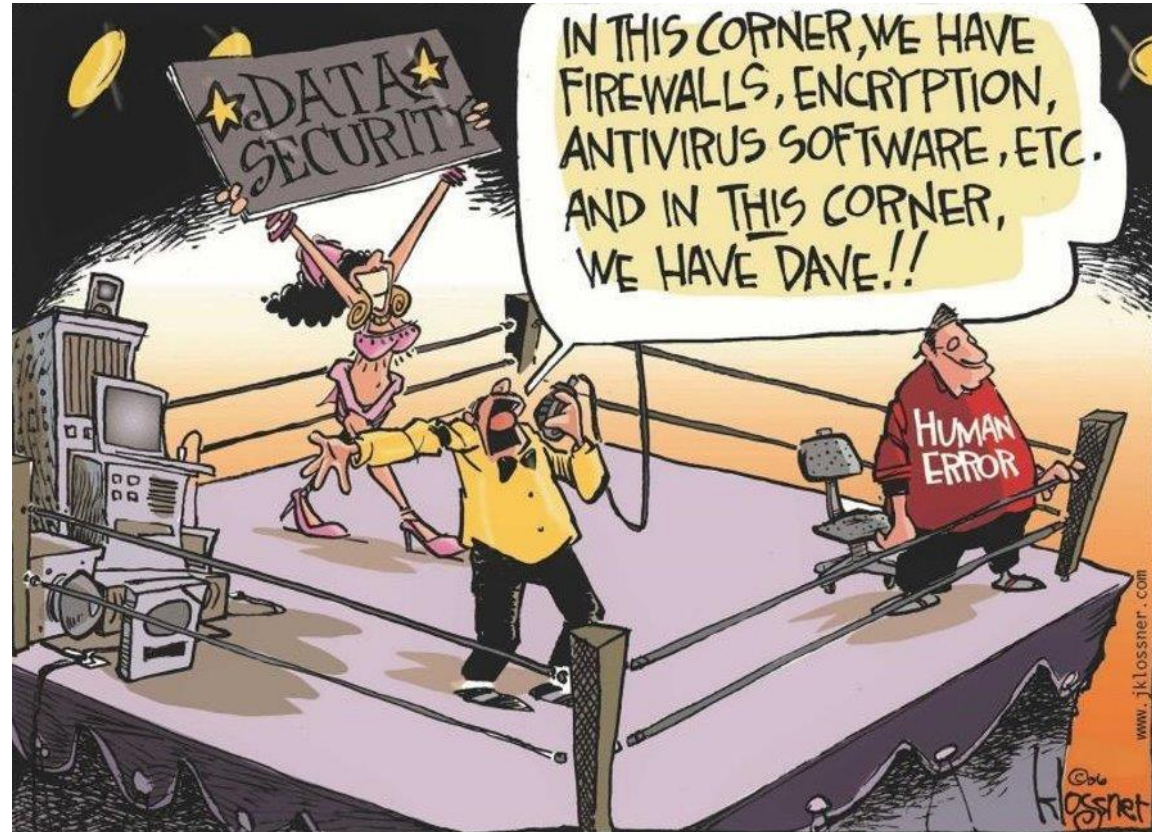


# Ransomware

## Successful Recent Attacks

- Oakland, CA
- Minneapolis, MN
- SF 49ers
- Glenn County Office of Education in CA
- Cisco
- LA USD in CA

# City's Cybersecurity Defense





# City's Cybersecurity Defense

## Training & Notification

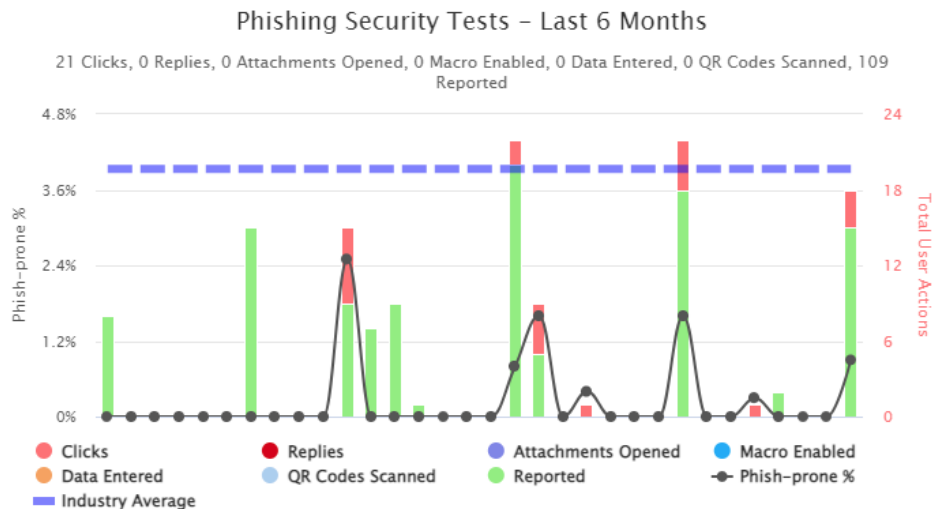
- Mandatory for all employees
- Phishing Campaigns
  - Fail – Remedial Training
- Caution Banner – Outside of Cupertino

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# City's Cybersecurity Defense

## Where we stand:

### Phishing



#### Industry Benchmark Data ?

Account Average Phish-prone % **0.9%**

Last Campaign Phish-prone % **0.9%**

Industry Phish-prone % **3.9%**

Industry

Government

Organization Size

Medium (250-1000)

Program Maturity

1 Year

# City's Cybersecurity Defense

Your Mission:



# Questions?

