Commission Presentation

Cybersecurity

July 9, 2020

CUPERTINO

Agenda

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

Cyber Threat Landscape

Cyber Threat Landscape

MAN-IN-THE-MIDDLE

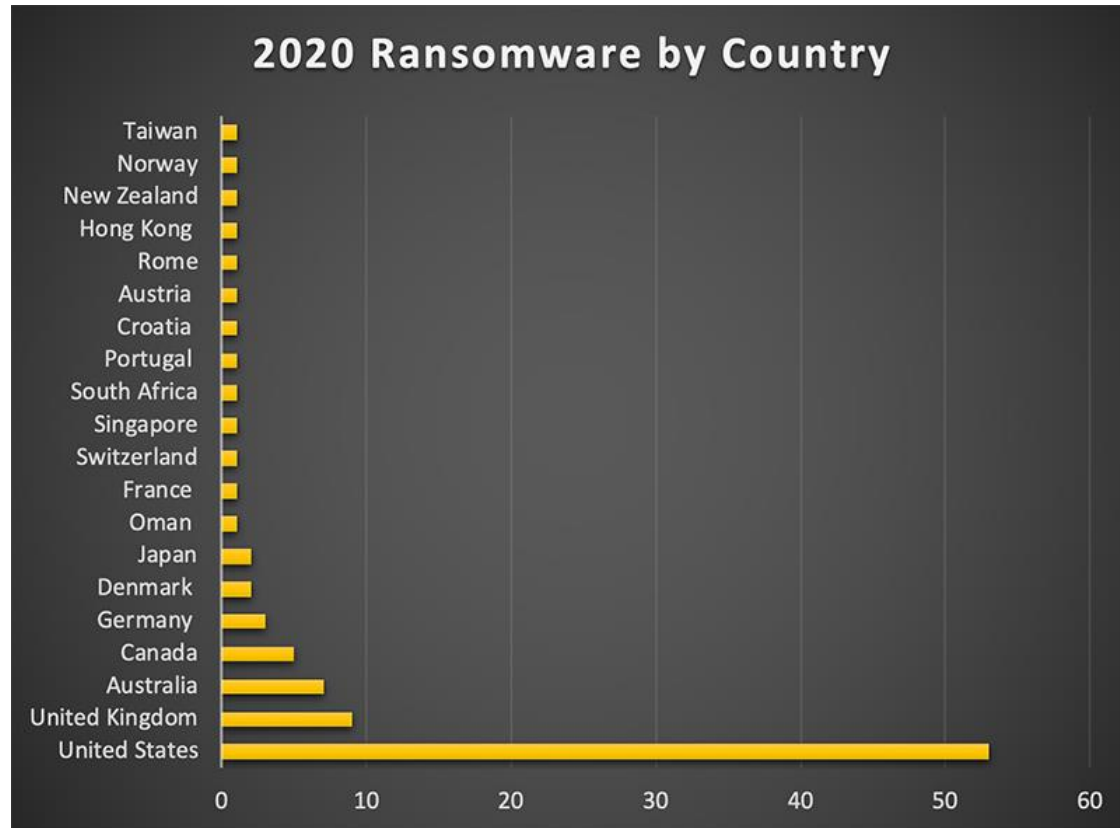DENIAL-OF-SERVICE

SQL INJECTION

ZERO-DAY EXPLOIT

DNS TUNNELING
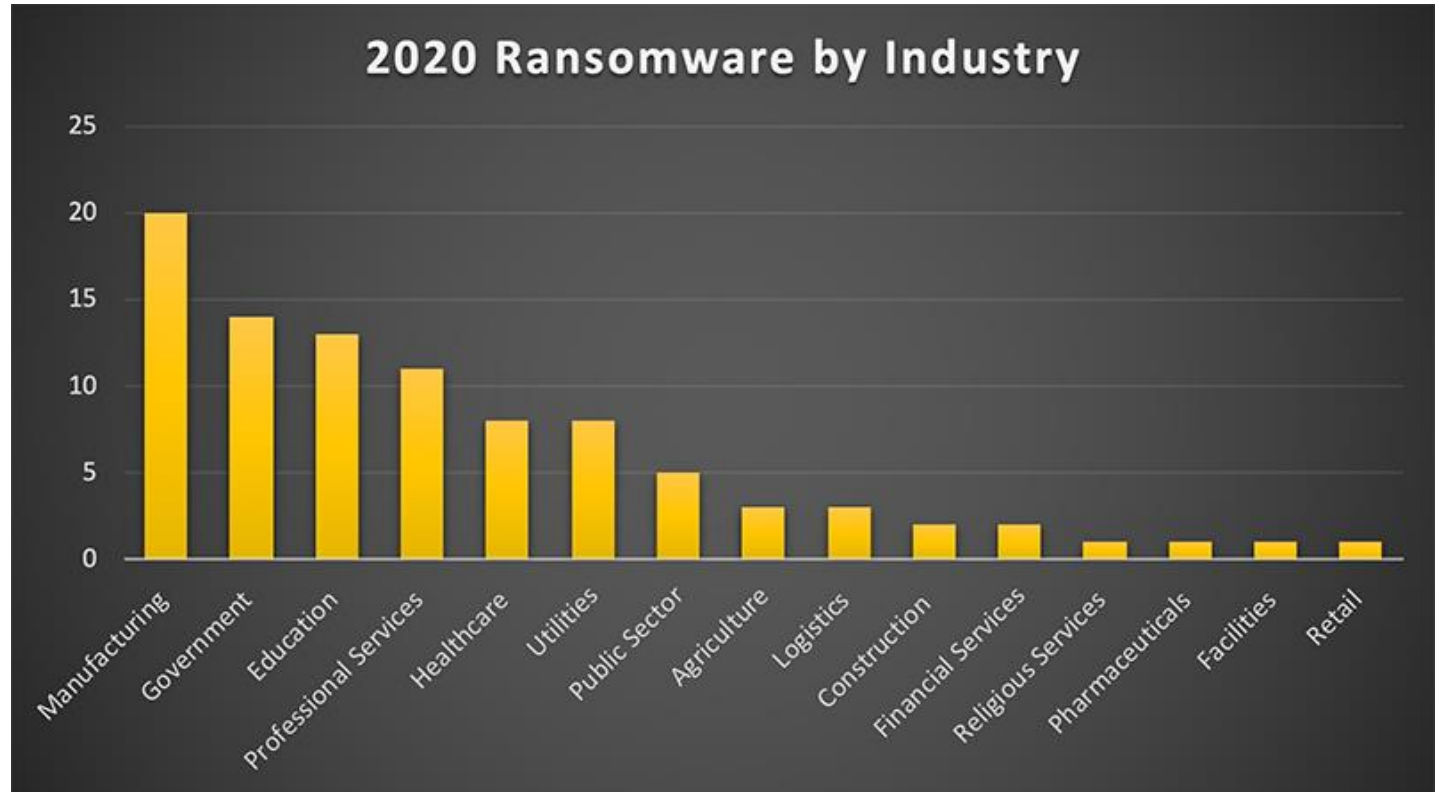
MALWARE

PHISHING

RANSOMWARE – PHISHING + MALWARE

Ransomware

Ransomware
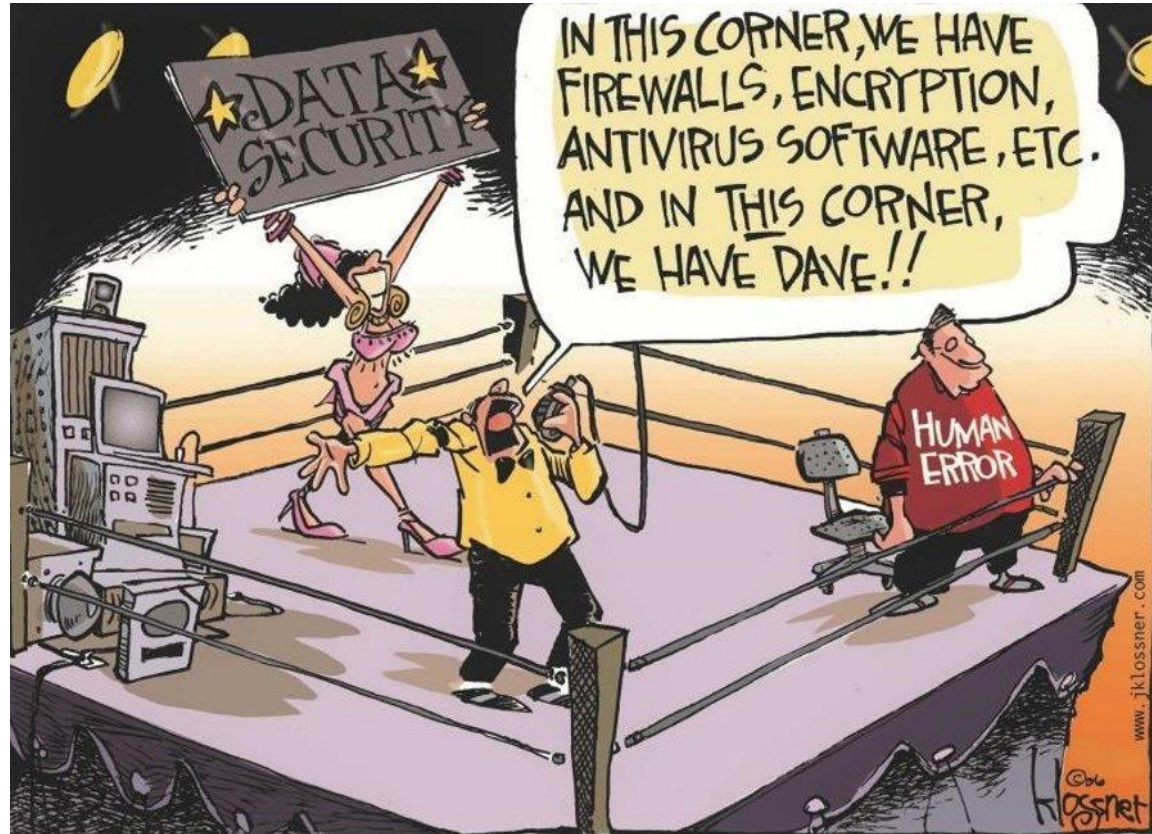

2020 Ransomware by Industry

Ransomware

Successful Recent Attacks

- Las Vegas, NV

- Tillamook County, OR

- Racine, WI

- New Orleans, LA

- North Miami Beach, FL

- Torrance, CA

- Knoxville, TN

- UCSF – $1.14M

City's Cybersecurity Defense

City's Cybersecurity Defense
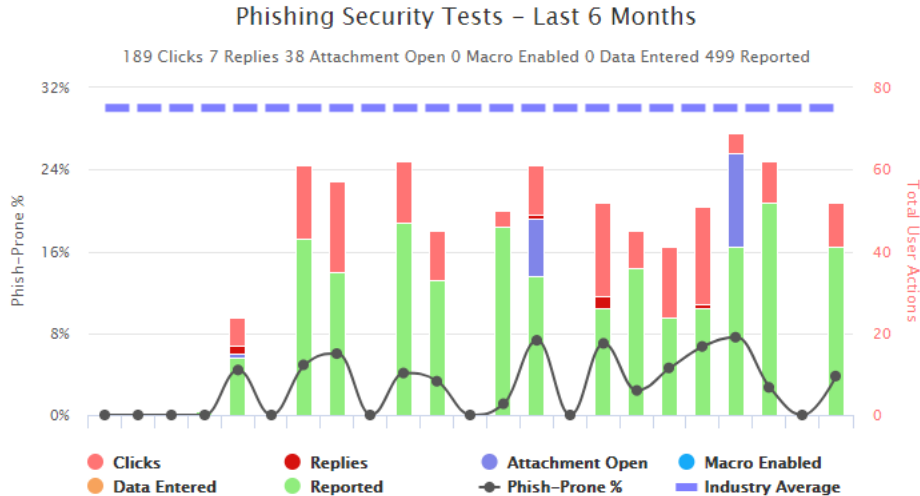
Training & Notification

- Mandatory for all employees

- COVID-19

- Phishing Campaigns

  - Fail – Remedial Training

- Caution Banner – Outside of Cupertino

CAUTION: This email originated from outside of the organization. Do not click links or open attachments unless you recognize the sender and know the content is safe.

City's Cybersecurity Defense

Where we stand:

See more phishing reports

Phishing Security Tests – Last 6 Months

189 Clicks 7 Replies 38 Attachment Open 0 Macro Enabled 0 Data Entered 499 Reported

Legend:
- Clicks
- Replies
- Attachment Open
- Macro Enabled
- Data Entered
- Reported
- Phish-Prone %
- Industry Average

Industry Benchmark Data

YOUR LAST PHISH-PRONE%	**3.8%**
INDUSTRY PHISH-PRONE%	**30%**

Industry: Government
Company Size: Medium (250-1000 users)
Program Maturity: Baseline

City's Cybersecurity Defense

Your Mission:

Questions?

Everyone has a plan, until they get punched in the mouth