What is Cyber Security?

- **Cybersecurity** is the body of technologies, processes and practices designed to protect networks, computers, programs and data from attack, damage or unauthorized access.

Federal, State, and Local Partnerships

85th Legislative Session
House Bill 8 (Texas Cybersecurity Act)

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- Information such as passwords, personal identification numbers, access codes, encryption, or other city's security systems are confidential.

- Authorizes city council to conduct a closed meeting to deliberate security assessments, network security information, and specific occasions for implementation of critical infrastructure or security devices.

- Makes Confidential information that arises from efforts to prevent, detect, investigate, or mitigate a computer security incident.

H.B. No. 8   S.B. No. 532   H.B 1861

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Five Ways to be Cyber Secure at Work or Home

- When in doubt, throw it out
- Back it up
- Guard your devices
- Secure your accounts
- Report anything suspicious

When in doubt, throw it out

- If it looks suspicious (emails, tweets, IMs), even if you know the source, it's best to delete or, if appropriate, mark as junk.

Back it up

- Make electronic and physical back-ups or copies of all your important work.

- Data can be lost in many ways including computer malfunctions, malware, theft, viruses, and accidental deletion.

Guard your devices

- In order to prevent theft and unauthorized access, never leave your laptop or mobile device unattended in a public place.

- Lock your devices when they are not in use to prevent data theft.

Secure your accounts

- Use passwords that are at least eight characters long and a mix of letters, numbers, and characters.

- Do not share any of your usernames or passwords with anyone.

Report anything suspicious

- If you experience any unusual or suspicious problems with your computer or device(s), report the issue to IT.

- Notate what occurred and time, including any device info (i.e. computer, phone, etc.).

Ransomeware #2

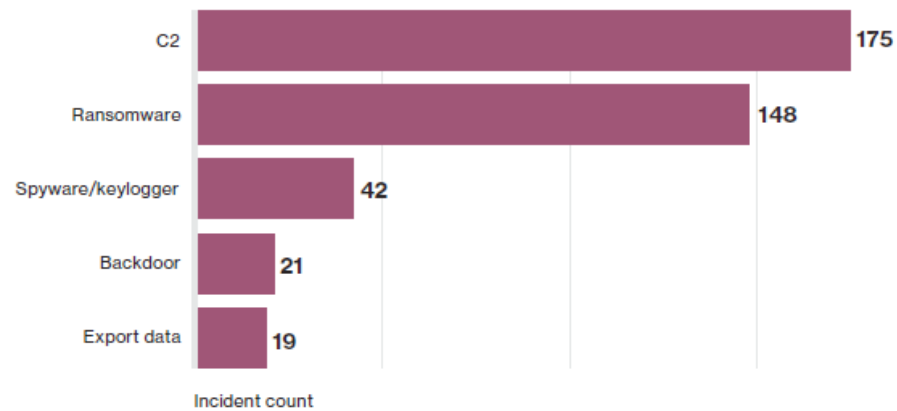of-service extortion, but typically is opportunistic in nature and affects organizations and consumers alike.

Figure 33.
Top five malware varieties within Crimeware, (n=382)

Security Posture

GREEN: Added in FY16/17
Blue: Existing Control

Heuristics

Gateways

User Awareness

CoSL

Integrated Controls

Detect and Respond

Perimeter Controls

Partnerships

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Future Initiatives

- Continue awareness internal communications to the city

- Continue to build upon existing Federal/State/Local relationships

- Continue readiness assessments:
  - Internal Controls
  - Phishing Exercises

Questions