

Ransomware and Your Obligations under *PHIPA*

David Weinkauf, Ph.D.

Senior Policy and Technology Advisor

Office of the Information and Privacy Commissioner of Ontario

Ontario Hospital Association Cyber Risk and Resilience Program

December 9, 2016



Outline

- About the IPC
- Protecting Against Ransomware Factsheet
- Security Obligations, s. 12(1) of *PHIPA*
- Notice Obligations, ss. 12(2) and 12(3) of *PHIPA*



About the IPC

- Information and Privacy Commissioner of Ontario (IPC) established in 1988
- Commissioner acts **independently** of government to uphold and promote **open government** and the protection of **personal privacy**
- IPC oversees three statutes:
 - Freedom of Information and Protection of Privacy Act (*FIPPA*) and its municipal counterpart (*MFIPPA*)
 - Personal Health Information Protection Act (*PHIPA*)
 - **Comprehensive** privacy protections for personal health information (PHI)



Protecting Against Ransomware

- IPC Fact Sheet released in July 2016
- What is ransomware?
- How do computers get infected?
 - Phishing attacks
 - Software exploits
- Protecting your organization
- Responding to incidents
- Available at www.ipc.on.ca



Security Obligations, *PHIPA* s. 12(1)

- Requires health information custodians (HICs) to take steps that are **reasonable in the circumstances** to ensure PHI in their custody or control is protected against:
 - theft, loss and unauthorized use or disclosure
 - unauthorized copying, modification or disposal
- Depending on **level of risk**, measures **may** include:
 - Employee training
 - Antivirus software
 - Email quarantines
 - Limited active content
 - Data backups
 - Software updates
 - Minimal user privileges
 - Simulated attacks
- If a computer is compromised, HICs should take **immediate steps** to mitigate effects of attack



Notice Obligations, *PHIPA* s. 12(2)

- IPC has received **limited cases** of ransomware
- A ransomware infection **may** constitute a breach depending on factors such as:
 - whether any PHI was accessed by hackers
 - whether affected PHI was fully restored
- If breach has occurred, HICs must notify individuals at **first reasonable opportunity**
- *PHIPA* does not specify the **manner** of notification
- Best form of notification depends on **numerous factors**
- Contact IPC to discuss



Notice Obligations, *PHIPA* s. 12(3)

- Bill 119, *Health Information Protection Act, 2015*, introduced additional **breach notification** requirements into *PHIPA*
- If breach has occurred and meets the prescribed requirements, HICs must **notify IPC**
- However, **no requirements** have been prescribed yet
- Until then, HICs should **continue to notify** the IPC of privacy breaches as appropriate



How to Contact Us

Information and Privacy Commissioner of Ontario
2 Bloor Street East, Suite 1400
Toronto, ON
M4W 1A8

Phone: (416) 326-3333 / 1-800-387-0073

TDD/TTY: 416-325-7539

Web: www.ipc.on.ca

E-mail: info@ipc.on.ca

Media: media@ipc.on.ca / 416-326-3965



Information and Privacy
Commissioner of Ontario

Commissaire à l'information et à la
protection de la vie privée de l'Ontario