Cyber Insurance and Quantifying The Exposure

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Moderator

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Panelists

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Cyber Risk Insurance

Anne M. Mason Underwriting Manager Hartford Financial Products E&O / Cyber

What is Cyber Liability?

"Cyber Liability" and "Cyber Risk" means different things to different people.*

- Information Security- (52%)
- Network Security - (19%) •
- Privacy (13%) Data Breach (11%) •
- . Network Breach - (5%)

"Cyber Liability" encompasses first- and third-party risks associated with networks, e-business, the Internet and possession of informational assets or "data".

The risks include:

- Data Privacy Network Security
- · e-Media or Internet Liability

Data Breach - Statutes and Standards

- What are the laws and regulations?
 47 State Breach Notification Laws and D.C. and Puerto Rico
 Calf. SB 1386, Mass. 93H-1, Nev. 603A.010: Very broad scope
 States with no security breach haw: AL, MM, & SD
 35 Federal Laws regarding privacy
 HIPAA, HITECH, GLB, FACTA, FERPA, COPPA
 Compliance Standards
 PCI, SAS 70 audit disclosures, Sarbanes-Oxley Section 404

What is considered PII (personally identifiable information) and PHI (protected health information)?

- Health records

- Individual names
 Social Security numbers
 Credit or debit card numbers
 Orivers License numbers
 State ID numbers
 Telephone numbers
 Passport numbers
 Dates of birth
- Financial account numbers Insurance plan ID numbers IP Address Login name, screen name
- Zip codes Email addresses

What Does Cyber Liability Insurance Cover?

Typical Insuring Agreements and Coverages: Data Privacy and Network Security Liability

- Third party liability arising out of wrongful acts violation of data privacy laws, improper collection or disclosure of PII; unauthorized access or unauthorized use of Insured's computer system.
- Digital Media Liability
 - Online media liability website or social media page
 - Copyright/trademark infringement, defamation, invasion of privacy
- Expense Coverages Breach Notification
 - Regulatory Proceeding PCI Fines
 Data Restoration
 - Credit Monitoring / Identity Protection - Crisis Management
 - Investigation
- Cyber Business Interruption Cyber Extortion
- Professional Liability

Cyber Liability Underwriting Factors?

- · How large is the company?
- · What is the customer base?
- · What type of data is stored or shared?
- · How many sensitive records?
- · Is company compliant with applicable data privacy laws?
- · Is sensitive data encrypted and where? · Is there a formal privacy policy?
- Who is responsible for network security & data protection? • Do vendor contracts address data privacy and security?
- Is there a Document Destruction/Management Plan?
- Is there a Data Breach Incident Response Plan?
- Is there a Business Continuity Response Plan?
- · Aggregation issues common vendors, cloud providers

Cyber Liability Coverage...what's trending?

- · Business Interruption
- Dependent Business Interruption
- Electronic Data Restoration expenses
- Full limits for expense coverages
- · Privacy notification benefits expanded - Costs for computer expert services
- Legal services for breach notifications
- Call center services
- Payment Card Industry fines & penalties
- Courtesy/voluntary notifications and credit monitoring
- eFunds coverage / Funds Transfer Fraud
- E-commerce extortion
- Cyber Terrorism





Today's objectives:

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- Define what a Data Breach is
- **Clarify** the real data exposures scenarios that lead to to data breaches (and how to prevent them)
- Recognize the value in pre and post breach management approaches to handling these complex claims



What is a data breach?

What is a data breach? (Generally)

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A data breach is any exposure of private or confidential information held by an entity (business, government entity, etc.). This exposure could be through loss, theft or other method of exposure. This data can include:

- Confidential Company Data such as:
 - Business plans
 - Client lists
- Private Personal information such as:
 - Personally Identifiable Information
 - Protected Health Information
 - Account Information







there has been a breach that exposes their unencrypted Personally Identifiable Information (PII).





General Rules

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- All require that notice be made to people whose PII have been compromised
- Time frames vary from "reasonable" amount of time to specific period from time of breach discovery (30-45 days depending upon jurisdiction)
- Some require notification be made to other parties beside the affected consumers:
 - Credit Bureaus
 - Regulators such as:
 - State AG's
 - State Police
 - Consumer Affairs Department
 - Other offices local State Offices

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General Rules

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- Notification by letter is most typical, but other methods of notice can be employed if the facts allows, such as:
 - Phone calls
 - E-mails
- Most allow for alternate forms of notice (from written letter notice) if breach is in excess of certain thresholds. (both cost and number of recipients.)

Personally Identifiable Information Cypically Name and Address with: Social Security Number Account Numbers Sometimes only if PIN or other access info is released Driver's license numbers State issued ID numbers





Liability and Remediation by Breach Type































Mis-mailing

someone else Possible Scenarios

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insurance coverages
 Security Breach Expense Security Breach Liability Business Interruption
 Fines Replacement of Electronic Data Web Site Publishing Liability Programming Errors and Omissions Extortion Public Relations Physical
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