





### SOX...



- Organized into 11 "titles"
- Section 404 causes the most concern because of rules governing public disclosure
  - Makes managers responsible for maintaining an "adequate internal control structure and procedures for financial reporting";
  - Demands that companies' auditors "attest" to the management's assessment of these controls and disclose any "material weaknesses"
  - Strong new criminal penalties await transgressors.
- Remarkable because of notoriety and media attention



-The New Hork Times\_

### Cost of SOX...



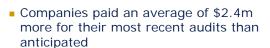
- According to a study published by one study from William E. Simon Graduate School of Business Administration at the University of Rochester the net private cost amounts to \$1.4 trillion.
- Econometric estimate of "the loss in total market value around the most significant legislative events"—i.e., the costs minus the benefits as perceived by the stock market as the new rules were enacted.



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### Cost of SOX...

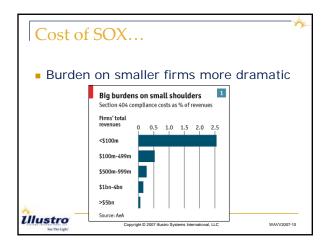


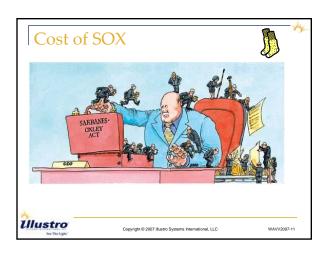
- Deloitte says large firms spent nearly 70,000 man hours complying with the new laws
- Bonanza for the "Final Four"
- Less visible costs, e.g. some companies are de-listing; foreign firms not listing



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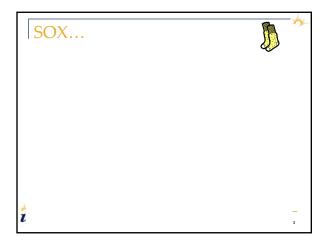






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Green Bay, WI



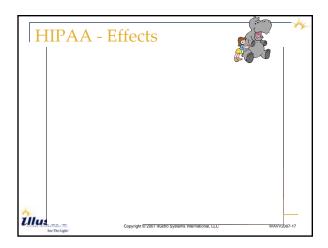


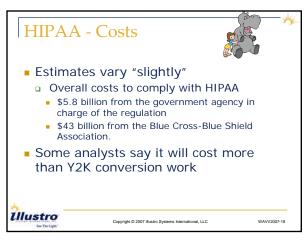




### Privacy - provides new rules in regard to how an individual's health information may be used and disclosed by covered entities. Transaction and Code Sets - requires the use of standard transaction formats and code sets when an individual's financial health information is transmitted electronically by a covered entity for purposes of payment, coverage determinations, eligibility determinations, and similar business matters. Security - requires covered entities to have specific security measures in place to protect an individual's health information that is sent or stored electronically. Also carries civil and criminal penalties for noncompliance

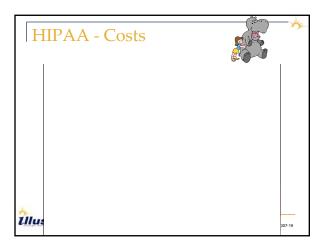
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### **HIPAA Information Concerns** Many software and hardware vendors promote the ability to achieve "HIPAA Technology is only an enabler, cannot make compliant Requires: Basic technology to adequately encrypt, authenticate or identify communication partners Effective password-key management system when transmitting health-related information. Reporting in the event of non-compliance Misconception that it bans some methods, e.g. PDAs and email lllustro

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### GLBA...



- GLBA gives authority to 8 federal agencies and the states to enforce:
  - Financial Privacy Rule: governs the collection and disclosure of customers' personal financial information by financial institutions
  - The Safeguards Rule: requires all financial institutions to design, implement and maintain safeguards to protect customer information.



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### Some Others...



- FERPA Family Educational Rights and Privacy Act
  - Parent's rights over students data
  - Rights transfer when student is 18
  - Cannot give parent information without student consent
- COPPA Children's Online Privacy Protection Act
  - Give parents control over what information is collected from their children online and how such information may be used.



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### California – Privacy Legislation



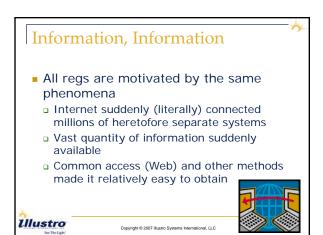
- Any company that sells a product or service to a California resident, even if the company is based outside the state, may be affected.
- Just having a website that a California resident visits—and one out of 10 Americans lives in California—can put you under the jurisdiction of these laws.



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# California – Privacy Legislation. Identity theft driving the paranoia Estimated 10 million Americans experienced I/T last year Aberdeen group estimated losses could reach \$2 trillion worldwide California passed SB 168 Prevented businesses from using SSN as identifiers IBM last year required its more than 100 health insurance providers to stop printing Social Security numbers on medical ID cards, claims forms and other documents or risk losing their business The change affected more than 540,000 IBM retirees, employees and their families in the United States But he that filches from me my good name/Robs me of that which not enriches him/And makes me poor indeed." - Shakespeare, Othello, act iii. Sc. 3.



## The Accepted was Suddenly Very, Very Bad Procedures that were de facto for decades were suddenly violations Social Security Numbers as ID (military/schools/medical) IT backup tapes sent off site All "insiders" (employees, internal users) were doing what they were supposed to Even affected non-IT procedures No more telephone information Fax authorization forms









### Best Practices...



- Review and document information flow
  - Entry points and requirements, e.g.
    - Is Social Security Number Required for identification?
    - Is data sent over clear links on public networks?
  - Exit points and requirements, e.g.
    - Are required authorizations obtained before releasing information?
    - Are recipients authenticated adequately?
- Publish a Privacy Policy (Information handling)
- Monitor for breaches; if in doubt, NOTIFY



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### Best Practices...



- From an IT perspective, many areas:
  - Consider ways of centralizing your data--oh, wait, you're on a mainframe!!
  - Much easier to manage, audit, enact policies, control access
  - Others are seeing the "benefits" of centralized data and application control
  - www.citrix.com
  - Review backup policies, and actual results
  - Backups are NOT valid unless tested in restore

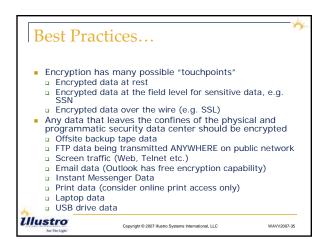


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### Best Practices... Define and enforce access control policies through security software Commercial security packages Offer access and audit □ For VSE – at least BSM and ACLR Explore ways to record session data Can be used for triggers/alerts Also for replay for audit, investigations Review encryption: Needs Wants Budget Illustro Copyright © 2007 illustro Systems International, LLC WAVV2007-34



### A "Healthy Paranoia" • Abundance of inter-connectivity has brought us here • Rethink tried-and-true processes • Look for information "leakage" • React wherever possible, but be sure to notify all appropriate • Review, Respond, Repeat

A "Healthy Paranoia"	
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BOSS DECISION NOT TO BE CONNECTED TO THE CONJURE NETWORK CAUSED SOME SUSPICION ON THE PROT OF TROSE WHO WERE.	07-37

