

# Clinical - Financial Features of Medical Practice & Hospital IT Systems

---

## CD-ROM CONTENTS – PART I

### A. Overview of System Architectures

Table 1: Relationship of Resource Use and Customizability Based on System Architecture Selected

Figure 1: Schematic of an Integrated System

### B. Functional Overview of Hospital Information Systems

1. Administrative Systems
2. Clinical Systems

### C. Hospital Information Systems and Regulatory Requirements

### D. The Build or Buy Decision

### E. The Financial Effects of Improved Quality of Care

1. Bar Coding Systems
2. Computerized Physician Order Entry Systems  
Table 2: Summary of Potential Benefits of Computerized Physician Order Entry
3. Clinical Guideline Implementation Systems  
Figure 2: Example of a Flowchart from an Acute Pulmonary Edema Algorithmic Guideline
4. Electronic Medical Records

### F. Transition Organization

### G. The Effect on the Cost of Medical Care

Table 3: Financial Data Supports the Value of Information Systems

---

# Electronic Medical Records for Small-Mid Sized Medical Practices

---

## CD-ROM CONTENTS - PART II

1. WHEN IMPLEMENTING TECHNOLOGY, THINK LIKE A CIO
2. YOUR RESPONSIBILITIES AS A CIO
3. HOW TO FOCUS ON PRACTICE RESULTS, NOT TECHNOLOGY
4. WHAT YOU NEED TO KNOW ABOUT "MEANINGFUL USE"
5. LEARN ABOUT REGIONAL EXTENSION CENTERS
6. HOW TO CHOOSE CONSULTANTS
7. DON NOT TRUST THE RECs or GOVERNMENT TO MAKE YOUR DECISIONS
8. WHY DO YOU WANT TO AUTOMATE?
9. YOU DO NOT NEED AN EMR, YOU NEED PATIENT COLLABORATION TOOLS
10. BEFORE YOU JUMP TO A FULL-FLEDGED EMR CHECK OUT OTHER OPTIONS
11. CLINICAL GROUPWARE
12. HEALTH 2.0
13. m-HEALTH
14. WHEN YOU'RE READY FOR AN EMR
15. IT'S HARDER TO GET OUT THAN GET IN, PLAN FOR AN ESCAPE HATCH
16. GET READY TO ANSWER THE EMR IMPLEMENTATION QUESTIONS
17. PREPARING YOURSELF FOR THE EMR VENDOR DEMONSTRATIONS
18. HOW VENDORS MAY MISLEAD YOU
19. SPECIFIC QUESTIONS TO ASK IN DURING DEMOS and REVIEWS
20. ON-PREMISE VERSUS MANAGED APPLIANCE VERSUS HOSTED OR CLOUD APPLICATIONS
21. CLINICAL INTEROPERABILITY STANDARDS
22. CONTENT EXCHANGE AND VOCABULARY STANDARDS
23. PRIVACY AND SECURITY STANDARDS
24. PATIENT IDENTIFIERS

## **IT Security Risks for Physicians, Medical Practices, Clinics & Hospitals**

---

### **CD-ROM CONTENTS – PART III**

#### **A. Privacy and Security of Healthcare Records**

#### **B. The Health Insurance Portability and Accountability Act of 1996**

1. Electronic Data Interchange and Unique Identifiers
2. The Privacy Regulations
  - a. Background
  - b. Privacy Requirements
    - i. The Notice of Privacy Practices
    - ii. Supplemental Authorization
    - iii. The “Minimum Necessary” Rule
  - c. The Privacy Officer
3. The Security Regulations
  - a. Background
  - b. Security Requirements
    - i. DHHS Proposals
    - ii. Implementing Security Strategies
    - iii. Medical Coding
  - c. The Security Officer

#### **C. The ISO 17799 Security Standard**

1. Business Continuity Planning
2. System Access Control
  - a. Monitoring System Access and Use
  - b. Application and Operating System Access Management
3. System Development and Maintenance
4. Physical and Environmental Security
  - a. Secure Areas
  - b. Equipment Security
  - c. General Controls
5. Compliance
6. Personnel Security
7. Security Organization
8. Communication and Operations Management
9. Computer and Network Management
10. Asset Classification and Control

#### **D. The National Institute of Standards & Technology: Security Resources**

1. NIST SP 800-35 *Guide to Information Technology Security Services*
2. Other NIST Guides

**E. Setting up Your Security System**

1. Business Continuity Planning
2. Choosing a Security Model
  - a. Support
  - b. Prevention
  - c. Detection and Recovery (Contingency)
  - d. Distributed Security Services
  - e. Security Domains
  - f. Network Communication Mechanisms
  - g. Intranets
3. Risk Management

**F. The Debate over Electronic Records Systems in Healthcare Organizations**

1. Defining Electronic Records Systems
2. The Costs of Electronic Records Systems
3. Pros and Cons of Electronic Records Systems
4. National Health Information Network
5. Regional Health Information Organizations



Medical Business Advisors, Inc.

Register

[www.MedicalBusinessAdvisors.com](http://www.MedicalBusinessAdvisors.com)