

# Appendix F

## Boxes, Figures, and Tables

# F

### **Boxes**

#### ***Chapter 1***

- 1-1: Effects on the Health Care Workforce
- 1-2: Managed Care
- 1-3: Grassroots Computer Networking: Lessons Learned

#### ***Chapter 2***

- 2-1: The Content of Patient Records
- 2-2: Speech and Handwriting Recognition
- 2-3: Automated Data Collection and the Medical Information Bus
- 2-4: The HELP System
- 2-5: Digital Image Compression
- 2-6: Security Technologies
- 2-7: A Voice and Data Communications Primer
- 2-8: HL7 and ICD-9-CM

#### ***Chapter 3***

- 3-1: EDI and Electronic Commerce
- 3-2: What is a Value-Added Network?
- 3-3: EDI Standards
- 3-4: Card Technology and Health Records

#### ***Chapter 4***

- 4-1: Health Plan Performance Measures Used in the Health Plan and Employer Data and Information Set (HEDIS)
- 4-2: Provider Performance Measures Used in the Indicator Measurement System (IMSystem)

**Chapter 5**

- 5-1: National Consortium for Telemedicine Evaluation
- 5-2: Clinical Telemedicine Cooperative Group Organized by the Telemedicine Research Center, Oregon Health Sciences University
- 5-3: American Telemedicine Association
- 5-4: National Information Infrastructure Testbed
- 5-5: Telemedicine Information Exchange

**Figures**

**Chapter 1**

- 1-1: Information Technology Applications Currently Being Adopted

**Chapter 2**

- 2-1: Health Information Pathways to Hospital Information Systems
- 2-2: Health Information on the Internet
- 2-3: Messaging Standards for Clinical Institutions

**Chapter 3**

- 3-1: Health Care Industry Trading Relationships
- 3-2: Payment-Related Transactions
- 3-3: High-Level Architecture of a Community Health Information Network
- 3-4: Common User Interface
- 3-5: Federated Database Approach for a Community Health Information Network

**Chapter 4**

- 4-1: Algorithm Depicting a Clinical Practice Guideline for Evaluation and Care of Patients with Heart Failure

**Chapter 5**

- 5-1: A Telemedicine Health Care Network
- 5-2: East Carolina University Telemedicine Network
- 5-3: Rural Area Networks

**Tables**

**Chapter 2**

- 2-1: Key Information Technologies for Health Care
- 2-2: Storage Requirements for Imaging Techniques

**Chapter 3**

- 3.1: Estimates of Cost Savings for Payers, Providers, and Employers Through the Use of Information Technology

**Chapter 5**

- 5-1: Summary of Telemedicine Application Categories